



Chemicals

2020



CARLO ERBA
REAGENTS

CARLO ERBA Reagents has been a part of the DASIT Group since July 2013 and more than ever I am pleased and honored to lead a multinational Team that combines the virtuosity of its pharmacist founder with more than one century tradition of excellence, and the spirit of service typical of our Group.

CARLO ERBA Reagents is driven by passion, an entrepreneurial spirit, eagerness to innovate and, above all, the desire to consistently connect with and serve our Customers.

The 2020 edition of the CARLO ERBA Reagents catalog is a proof of how the pride of the past can be combined with the foresight for the future.

Special thanks to you, dear Customers, who continue to demonstrate your loyalty and affection in Europe and around the world.

Angelo Fracassi, President of DASIT Group





DASITGROUP

CARLO ERBA

REAGENTS



ITALIA

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www.carloerbareagents.com

- Online catalogue (search by CAS, product name, product code) with updated specifications;
- Updated MSDS in multi-language and certificates of analysis available to download;
- Catalogues and brochures available to download;
- Contacts for technical information and requests for quotations.

Ask us for an e-commerce account:

- For a full management of your online order, with automatic data transfer in our database;
- To check our stock availability in real time;
- To check your quotations, orders, delivery notes and invoices online;
- To view our price list, your specific commercial conditions and all our promotional activities.

CARLO ERBA Reagents ensures for its customers both quality and service thanks to its flexible production plants, its modern quality control laboratories and its efficient logistics organization.

Our 2 production sites in Val de Reuil and Peypin manufacture:

- Solvents, salts, organic and inorganic molecules, mixtures
- From technical to ultrapure grade
- From raw material to pharma excipient grade following the IPEC 2015 guidelines evaluated and authorized by French Ministry of Health (ANSM Agency), decret n°2011/62/UE

To meet your needs, our production tools include:

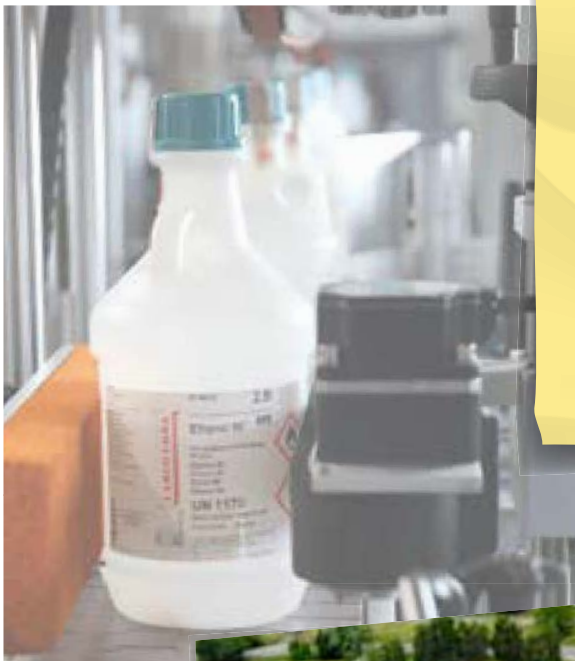
- Fully automated lines
- Distillation columns
- Purification columns
- Mixer
- Grinder
- Packaging under inert atmosphere
- Storage tanks
- ISO 8 Clean rooms



CARLO ERBA Reagents is the “partner in your choice” for your specific needs.

Customization can be proposed under request. Our expertise allows us to give you the most suitable solution. Our experienced Quality, Production and Logistics Teams are providing you with:

- Specific purity
- Outsourcing services
- Safety stocks
- Custom mixtures
- Purifications
- Specific QC tests
- Certifications
- Custom packaging
- Shuttle service
- Deliveries in large volumes



CARLO ERBA Reagents products are classified according to their level of purity and suitable for being used in laboratory analysis or industrial preparations.

A color system assigned to each grade helps the customer to find the suitable product for his application.

It is under the customer responsibility to make sure the purchased product is suitable for his use and /or application. CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of inappropriate use.

RS – Specific Grade Reagents

RS

High purity Solvents, Acids and Reagents specifically designed to be used in the following instrumental techniques:

- **Trace Analysis**
Superpure Acids and Ultrapure Acids for sample mineralization,
Standards Solutions for AAS, ICP-OES and ICP-MS for instrumental calibration
Standards Solutions for Pesticides, PAHs, PCB analysis
- **Liquid Chromatography**
High Purity Solvents suitable for UHPLC-MS, LC-MS, HPLC GOLD UltraGradient Grade, HPLC PLUS Gradient Grade, HPLC Isocratic Grade, HPLC Preparative,
Ion Chromatography Standard Solutions,
Ion Pair Chromatography Reagents,
Silica Gel & Filter Aids available in different mesh sizes.
- **Gas Chromatography**
High Purity Solvents suitable for GC-HEADSPACE, for GC-MS, for organic trace analysis (ATRASOL®) and for residue analysis (PESTIPUR®)
- **Spectroscopy UV-vis/IR**
SPECTROSOL® Solvents
- **Organic Synthesis**
Anhydrous Solvents
Deuterated Solvents
- **Karl Fischer**
KF Reagents (ERBAqua®) for volumetric & coulometric titration pyridine-free
- **Food Analysis:**
Specific Reagents, Acids, Bases and Kjeldahl Catalysts specific for food matrix analysis
- **Histology, Hematology and Cytodiagnosis:**
Fixatives, Solvents, Embedding Media, Staining Solutions, Dyes, Mounting Media and Immersion Media
- **Conductivity**
Standard Solutions
- **Electronic Application**
MOS, RSE and VLSI quality according to semiconductors production processes requirements
- **Physical Properties Standards**
Density, Melting point, Osmolality, Brix, Viscosity & Colour

RPE – Analytical Grade Reagents

RPE

Standard grade in the laboratory complying with ACS and/or ISO. Many products comply with various pharmacopoeias, including BP, EP and USP for analytical purposes

- **Solvents, Acids, Salts & Reagents**
A wide range of products guaranteed for analytical purposes
- **Volumetry**
Titrated Solutions ready-to-use or concentrated in NORMEX vials
- **pHmetry**
pH Buffer Solutions with and without color, available in different sizes and packaging
- **Indicators**
Pure Substances and ready to use indicating solutions all provided with their color index

RE – Technical Grade Reagents

RE

Purified commercial products used in many chemicals laboratories and industries

- **Acids, Bases, Solvents, Salts, Organic and Inorganic substances**
Provided with guaranteed purity for the basic applications in the industry and laboratory
- **Green Solvents**
- **Solvents for Octane Number Determination**

Xcipharm™ – Excipient Grade Products

Xcipharm™

Excipients used in the formulation of pharmaceutical products. Manufactured under IPEC guide 2015

- **Acids, Bases, Solvents, Salts, Organic and Inorganic substances, mixtures and dilutions**
According to the main Pharmacopoeias: EP, USP, NF, JP, BP, DAB, FU, FP, to be used as Excipients in drug manufacturing.
A range of more than 100 products with packaging from 1 mL to 30.000 L for liquids and from 100 g to 1 Ton for solids.

ERBApharm® – Pharmaceutical grade Products

ERBApharm®

Raw materials for the pharmaceutical production, complying with the application: EP, USP, NF, JP, BP, DAB, FU, FP.

- **Acids, Bases, Solvents, Salts, Organic and Inorganic substances**
According to the main Pharmacopoeias: EP, USP, NF, JP, BP, DAB, FU, FP or prepared with raw materials according to them, to be used as raw materials, synthetic intermediates, buffering agents, solvents in the production of active ingredients, and not as excipients.
A range of more than 500 products with packaging from 1 L to 30.000 L for liquids and from 100 g to 1 Ton for solids.

Xcipharm™ is the new product range dedicated to excipients. We manufacture these products according to the IPEC guidelines, assuring a high level of quality for your excipients.

We can adapt our offer to your needs with packaging sizes starting at 1 L up to bulk quantity.

We provide all of the tests, certifications and statements to make the registration of your products easier to the health authorities.

QUALITY ASSURANCE

- French Ministry of Health (ANSM Agency) registration
- Traceability of raw material and packaging
- Flow chart
- Change control

PROCESS

- Validated cleaning procedures and dedicated equipment
- Labels consolidation
- Certificate of analysis with the name of the producer and the date of production of the raw material
- Stability studies
- Sample library of the raw material (1 year) and of the finished product (shelf life + 1 year)

DOCUMENTATION

- BSE/TSE statement
- OGM statement
- Residual solvents statement
- ICH Q3D
- Risk assessment (2015/C95/02)



Product list (non exhaustive) of excipients. Custom mixtures and dilution are also available

- Acetic acid glacial
- Acetone
- Benzoic acid
- Benzyl alcohol
- Calcium chloride 2H₂O
- Citric acid
- Dietanolamine
- Diethyl ether
- Diethyl phthalate
- D(+)-glucose
- EDTA
- Ethanol
- Ethyl acetate
- Glycerine
- Glycine
- Hydrochloric acid
- L(+) Lactic acid
- Lactose
- Magnesium chloride 6H₂O
- Magnesium stearate
- Magnesium sulfate 7H₂O
- D-Mannitol
- Paraffin oil
- 2-Phenylethanol
- Phosphoric acid
- Potassium chloride
- Potassium hydroxide
- Potassium permanganate
- Potassium Phosphate Monobasic
- Propanol-2
- Propylene glycol
- Ricin oil/Castor oil
- Saccharose
- Sodium acetate trihydrate
- Sodium alginate
- Sodium bicarbonate
- Sodium carbonate
- Sodium chloride
- Sodium citrate dibasic
- Sodium citrate tribasic
- Sodium hydroxide
- Sodium metabisulfite
- Sodium phosphate dibasic
- Sodium sulfite
- Sodium thiosulfate 5H₂O
- Stearic acid
- Sulfuric acid
- Tannic acid
- Tartaric acid
- Titanium dioxide
- Triethanolamine

Do not hesitate to contact us if your product is not in the list.

iPEC
EUROPE



CARLO ERBA Reagents is ISO 9001:2015 certified.

Our quality system is based on risk management in each step, from the selection of raw material to the finished product. Each plant includes a QC lab with experienced chemists controlling raw materials, semi-finished and finished products.



CARLO ERBA Reagents has defined in this catalogue different grades for its products: RE, RPE, RS, ERBApharm®, Xcipharm™, Tailor made. All products have defined documentation depending on their grade in order to answer customers requirements.

Document	RE	RPE	RS	ERBApharm®	Xcipharm™	Tailor made
Certificate of Analysis	Yes	Yes	Yes	Yes	Yes	Yes
Material Safety Data Sheet	Yes	Yes	Yes	Yes	Yes	Yes
Self-questionnaire	Standard	Standard	Standard	ERBApharm®	Xcipharm™	Depending on the quality defined in the Quality Agreement
BSE/TSE	-	-	-	Yes if available	Yes	Depending on the quality defined in the Quality Agreement
Residual Solvents	-	-	-	Yes if available	Yes	Depending on the quality defined in the Quality Agreement
OGM	-	-	-	Yes if available	Yes	Depending on the quality defined in the Quality Agreement
Supply Chain and Risk Assessment (including Flow Chart, ICHQ3D, endotoxins, allergens, latex, melamine, phthalates, glucose and lactose...)	-	-	-	-	Yes	Depending on the quality defined in the Quality Agreement
Non-Disclosure Agreement	-	-	-	-	Yes	Depending on the quality defined in the Quality Agreement

These documents do not exonerate the customer of his responsibility to check that the product supplied by CARLO ERBA Reagents is suitable for his use.



CERTIFICATES OF ANALYSIS

Certificates of Analysis for CARLO ERBA Reagents products are available at www.carloerbareagents.com by entering the lot number and the product code printed on the label.

The expiration date for each batch is printed on the label and the certificate of analysis. This information applies to products stored in their original, unopened packaging, away from heat and light, as specified in the safety data sheet.

Carlo Erba Reagents S.A.S.
 Parc d'Activités des Portes
 Chaussée du Vexin - BP 616
 27106 Val de Reuil Cedex
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 Fax 02.32.09.20.20

Z.I DE VALDONNE - BP 4
 13324 PEPIEH
 Tél. : 04.42.32.41.41
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 Via R. Merendi, 22
 20030 Cornaredo (MI)
 Tel. 02 93 991 90 Fax 02 93 991 001

ISO 9001: 2008

Certificate of Analysis

1 **PRODUCT** : Sodium chloride ERBapharm-According to pharmacopoeia:
 Ph.Eur.-FU-Ph.Franc.-BP-DAB-USP-JP

2 **CODE** : 368253

3 **LOT N°** : V0A589090A **METHOD** : 6572

4 **EXPIRING DATE** : 2023/01 **EDITION** : 6

TEST	U.M.	SPECIFICATION	RESULT
Description	-	White crystalline powder	Conform
Identification	-	Positive	Positive
Appearance of solution	Ph.Eur.	Conform	Conform
Acidity or alkalinity	Ph.Eur.	Conform	Conform
Residue solvents	USP	Conform	Conform
Barium	Ph.Eur.	Conform	Conform
Iodide	Ph.Eur.	Conform	Conform
Ferrocyanide	Ph.Eur.	Conform	Conform
Nitrite	Ph.Eur.	Conform	Conform
Loss on drying	%	<= 0.5	0.04
Mg,alkal.earth met.(Ca)	ppm	<= 100	<100
Bromide	ppm	<= 100	<100
	ppm	<= 25	<25
	ppm	<= 3	<3
	ppm	<= 200	<200
	ppm	<= 0.2	<0.2
	ppm	<= 1	<1
	ppm	<= 2	<2
	ppm	<= 500	<500
	% s.s.	99.0 ÷ 100.5	100.3

1 PRODUCT

2 CODE

3 LOT NUMBER

4 EXPIRATION DATE

5 CODE OF THE METHOD USED FOR THE PRODUCT QUALIFICATION

6 CERTIFICATE EDITION NUMBER WHICH CHANGES WHEN GUARANTEED SPECIFICATIONS ARE UPDATED

7 DESCRIPTION OF THE QUALITY CONTROL TESTS THE PRODUCT UNDERGOES

8 UNIT OF MEASURE

9 GUARANTEED PRODUCT SPECIFICATIONS

10 TEST RESULTS OBTAINED FOR THE SPECIFIC LOT, AND FOR EACH SINGLE TEST, IN COMPLIANCE WITH INTERNATIONAL STANDARDS, IF APPLICABLE

11 APPROVAL DATE FOR TEST RESULTS

11 Approve Date : 01/01/2020

Not signed electronically issued document
QUALITY CONTROL RESPONSIBLE
B. COULANGE (VDR)

GHS is an international system designed to harmonize the classification, labeling and packaging of chemicals, transposed into the Regulation No. 1272/2008 and known as CLP (Classification, Labeling and Packaging). Reg. CLP is, since June 1st 2015, the only legislation enforced in the EU for the classification and labeling of substances and mixtures and is periodically updated through "Adaptations to Technical Progress (ATP)".

All CARLO ERBA Reagents-branded substances and mixtures are in compliance with the current regulations.




- 1 PRODUCT NAME
- 2 PRODUCT CODE
- 3 SIZE
- 4 GRADE
- 5 APPLICATION
- 6 GHS HAZARD SYMBOLS
- 7 GHS REFERENCES OF WARNING AND PRECAUTIONARY
- 8 LOT NUMBER AND EXPIRATION DATE
- 9 INTERNATIONAL IDENTIFICATION
- 10 MAIN TECHNICAL SPECIFICATION
- 11 BARCODE TO READ PRODUCT CODE AND BATCH NUMBER

9 CH3OH
EEC n°200-859-6
CAS n° 67-56-1
MW(g/mol) 32

10 Description Clear colourless liquid -
Colour <= 5 APHA
Identification (I.R.) Positive -
Refractive index at 20° 1,3270 - 1,3300 -
Residue on evaporation <= 1 ppm
Acidity <= 0.0003 meq/g
Alkalinity <= 0.00004 meq/g
Assay (CPG) >= 99,99 %
Water (K.F) <= 200 ppm
Transmittance - -
At 210 nm >= 40 %
At 225 nm >= 70 %
At 230 nm >= 80 %
>= 200 nm >= 99 %
Fluorescence (quinine) - -
At 254 nm <= 1 ppb
At 365 nm <= 1 ppb
UHPLC gradient peak - -
At 220 nm <= 4 mAU
At 235 nm <= 2 mAU
At 254 nm <= 7 mAU
Drift at 220 nm <= 30 mAU
Drift at 235 nm <= 10 mAU
Sensitive Impurities (eserpine) <= 30 ppb
Metals compounds - -

See the CoA for more information



5 **1** **2** **414941**

3 **11**

4 **RS**

8 **6** **7**

CARLO ERBA REAGENTS

Methanol

for UHPLC-MS

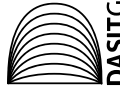
Metanolo
Méthanol
Metanol
Methanol

UN 1230

Batch Number **VOA402100A**
Expiry Date **2022/01**

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DASITGROUP



780201-02/13

DANGER
H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H370 Causes damage to organs. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P241 Use explosion-proof electrical/ventilating/lighting.../ equipment. P264 Wash thoroughly after handling. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P403+P235 Store in a well-ventilated place. Keep cool.

PERICOLO
H225 Liquido e vapori facilmente infiammabili. H301 Tossico se ingerito. H311 Tossico per contatto con la pelle. H331 Tossico se inalato. H370 Provoca danni agli organi. P210 Tenere lontano da fonti di calore/scintille/fiamme /superfici riscaldate - Non fumare. P241 Utilizzare impianti elettrici/di ventilazione/d'illuminazione a prova di esplosione. P264 Lavare accuratamente dopo l'uso. P303+P361+P353 IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliersi di dosso immediatamente tutti gli indumenti contaminati. Sciagurare la pelle/face una doccia. P304+P340 IN CASO DI INALAZIONE: trasportare l'infortunato all'aria aperta e mantenerlo a riposo in posizione che favorisca la respirazione. P403+P235 Conservare in luogo fresco e ben ventilato.

DANGER
H225 Liquido e vapours très inflammables. H301 Toxique en cas d'ingestion. H311 Toxique par contact cutané. H331 Toxique par inhalation. H370 Risque avéré d'effets graves pour les organes. P210 Tenir à l'écart de la chaleur/des étincelles/des flammes nues/des surfaces chaudes. - Ne pas fumer. P241 Utiliser du matériel électrique/de ventilation/d'éclairage... antidéflagrant. P264 Se laver soigneusement après manipulation. P303+P361+P353 EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/se doucher. P304+P340 EN CAS D'INHALATION: transporter la victime à l'extérieur et la maintenir au repos dans une position où elle peut respirer confortablement. P403+P235 Stocker dans un endroit bien ventilé. Tenir au frais.

PELIGRO
H225 Líquido y vapores muy inflamables. H301 Tóxico en caso de ingestión. H311 Tóxico en contacto con la piel. H331 Tóxico en caso de inhalación. H370 Provoca daños en los órganos. P210 Manténgase alejado de fuentes de calor, chispas, llama abierta o superficies calientes. - No fumar. P241 Emplear material eléctrico, de ventilación o de iluminación... antideflagrante. P264 Lavarse concienzudamente tras la manipulación. P303+P361+P353 EN CASO DE CONTACTO CON LA PIEL (o el pelo): Qüitesse inmediatamente las prendas contaminadas. Acértese la piel con agua o duche. P304+P340 EN CASO DE INHALACION: Transportar a la persona al exterior y mantenerla en reposo en una posición confortable para respirar. P403+P235 Almacenar en un lugar bien ventilado. Manténgase al fresco.

GEFAHR
H225 Flüssigkeit und Dampf leicht entzündbar. H301 Giftig bei Verschlucken. H311 Giftig bei Hautkontakt. H331 Giftig bei Einatmen. H370 Schädigt die Organe. P210 Von Hitze/Funken/offener Flamme/heißen Oberflächen fernhalten. Nicht rauchen. P241 Explosionsgeschützte elektrische Anlagen/Lüftungsanlagen/ Beleuchtungsanlagen... verwenden. P264 Nach Handhabung gründlich waschen. P303+P361+P353 BEI BERTÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit reichlich Wasser und Seife waschen. P304+P340 BEI ENATMEN: An die frische Luft bringen und in einer Position ruhigstellen, die das Atmen erleichtert. P403+P235 An einem gut belüfteten Ort lagern. Kühl halten.

PRODUCT NAME → **ACE**

TRANSPORT CLASSIFICATION → **Acetone**

INTERNATIONAL CLASSIFICATION → **Acetone**

APPLICATION → **Acetone > RS - For HPLC - Isocratic Grade**

PRODUCT CODE → **412501**

UNIT SIZE → **1 l**

PACKAGING → **Glass bottle**

Acetone
 • Acetone • Acétone • Acetona • Aceton

CH₃COCH₃
 Molecular Weight: 58,01
 CAS: 67-64-1
 EEC-N: 200-662-2

Classification transport
 ONU: 1090
 Transport Hazard class: 3
 Packing group II

Acetone > RS - For HPLC - Isocratic Grade

Description	Clear colourless liquid	Boiling point.....	55.8 ÷ 56.3
Identification	Positive	Water (K.F.).....	≤ 500
Density at 20° C	0.790 ÷ 0.792	Residue on evaporation	≤ 5
Refractive index at 20°C.....	1.3581 ÷ 1.3601	Acidity	≤ 0.0005 me

Code	Size	Packaging
412501	1 l	Glass bottle
412502	2.5 l	Glass bottle

Acetone > RS - For GC-MS

Appearance	Clear colourless liquid	Residue on evaporation	≤ 2 pp
Refractive index at 20°C.....	1.357 - 1.361	Acidity (acetic acid).....	≤ 20 pp
Water (K.F.).....	≤ 500 ppm	Assay (GC).....	≥ 99.95
Colour	≤ 10 APHA	Ethyl alcohol	≤ 100 pp



Code	Size	Packaging
400952	1 l	Glass bottle

Acetone > RS - ATRASOL - For traces analysis

Appearance	Clear colourless liquid	Free acid (as CH ₃ COOH).....	≤ 20
Refractive index at 20°C.....	1.357 - 1.361	.....	≥ 9

DANGER CLASSIFICATION **SYNONYM**

Synonym:
2-Propanone

Danger
  H225-H319-H336-HEU066
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

		RS		GRADE
° C	Alcalinity.....	≤0.0002 meq/g	at 340 nm	≥ 85 %
ppm	Assay (GLC)	≥99.9 %	At 345 nm	≥ 90 %
ppm	U.V. Transmittance		at 350 nm	≥ 98 %
mg/g	At 335 nm	≥ 60 %	at 360 nm	≥ 99 %

Notes

		RS		SPECIFICATIONS
mm	Methyl alcohol.....	≤ 500 ppm	Ret.range n-undecane to n-tetracontane	
mm	Isopropyl alcohol	≤ 500 ppm		
%	GC-MS.Individual peak (n-hexadecane).	≤ 2		
µg/L				

Notes

		RS		SPECIFICATIONS
mg/Kg	2-Propanone.....	≤ 500 mg/Kg	Ret.range 1,2,4-trichlorobenzene	
99.9 %	Peak (n-hexadecane).....	≤ 1 µg/l	to decachlorobiphenyl	

Chemical specifications are subject to change.

Please see the updated specifications on www.carloerbareagents.com

**PREMIUM
CHOICE**



Protection, Safety, Reliability for any Laboratory

- Microbiological & Cytotoxic Safety Cabinets (Class I-II-III)
- Laminar Airflow Cabinets
- Pharma Industry Laminar Airflow systems
- Customized solutions for special applications
- Chemical Fume Cupboards
- **FORLAB**^{4you} modular, safe, ergonomic, eco friendly furniture
- Ultra-freezers

Manufactured by   in Ferrara (IT)
in a brand new 10.000 sqm plant.

www.carloerbareagents.com





APPLICATIONS

LIQUID CHROMATOGRAPHY

GAS CHROMATOGRAPHY

ION PAIR CHROMATOGRAPHY

ION CHROMATOGRAPHY

TRACE ANALYSIS: METALS

TRACE ANALYSIS: ORGANICS

COD ANALYSIS

PHARMACEUTICAL PRODUCTION

PHARMACEUTICAL QUALITY CONTROL

PHYSICALS AND CHEMICAL CHARACTERISTICS

pHMETRY

VOLUMETRY

FOOD ANALYSIS

ELECTRONICS

HISTOLOGY, HEMATOLOGY AND CYTODIAGNOSTIC

ORGANIC CHEMISTRY

NMR SPECTROSCOPY

UV SPECTROSCOPY

GREEN CHEMISTRY

PETROCHEMICAL ANALYSIS

KARL FISCHER TITRATION

INDICATORS

CONDUCTIMETRY

**BEST
CHOICE**

Tailor made

Chemicals such as you imagine



CARLO ERBA Reagents thanks to its experience and production flexibility manufacture tailor made products for industry and laboratories.



- Custom mixture
- Purification
- Custom packaging
- Deliveries in bulk tanks and isotanks
- Shuttle service
- Analytical control
- Batch management
- Quality assurance

www.carloerbareagents.com



**LIQUID CHROMATOGRAPHY**

Leader in the market of solvents for chromatography and trace analysis, CARLO ERBA Reagents extended its range of solvents for HPLC in order to satisfy the ever increasing demand requirements in terms of equipment and detection methods, particularly for impurities which, by interaction, can affect the result's reliability.

Our solvents for HPLC meet perfectly the requirements of this analytical technique by guaranteeing the optimal specifications on the following elements: purity, non-volatile residue content and UV transmission.

UHPLC-MS Solvents

The UHPLC-MS is certainly the chromatographic technique for users who, besides being on the lookout for the best analytical performances, works at very high pressure, with minimum solvent consumption and guarantee of resolution and reproducibility of results. CARLO ERBA Reagents, recognized as a leading company in the manufacture of solvents for chromatography, is always attuned to the market needs and has developed a specific range of solvents dedicated to solvents for UHPLC-MS in order to meet the quality requirements of this refined analytical technique.

Our solvents are characterized by:

- Purity higher than 99.95 %
- High UV transmittance
- Excellent baseline quality in gradient, tested specifically for UHPLC
- Test with reserpine (30 < ppb), specific for LCMS
- Low content in inorganic and metallic ions
- Non volatile residue content less than 1 ppm
- Packaged in amber glass bottles pretreated with 1.1-difluoroethane to significantly reduce the potential formation of metals adduct

Description	Notes	Size	Code	Page
Acetonitrile		1 l	412041	142
Acetonitrile		2.5 l	412042	142
Methanol		1 l	414941	488
Methanol		2.5 l	414942	488
Water		1 l	412091	786
Water		2.5 l	412092	786

LC-MS Solvents

Liquid chromatography coupled with mass spectrometry is a recently developed technique which is suitable for the analysis of fairly polar, non-volatile and thermally stable compounds. It allows the separation and characterization of many more compounds than GC-MS chromatography and also provides information on the molecular weight and structure of the HPLC peaks. The significant advantages of this combined technique has led to its widespread use in many analytical fields, particularly in the pharmaceutical, environmental and biotechnological sectors.

CARLO ERBA Reagents guarantees specifications of a high-performance LC-MS solvents:

- High purity, low acidity, alkalinity and residue, ideal fluorescence, absorbance/transmittance and gradient test
- Low metal content, in the order of ppb, in order to prevent interactions with ionized species in the mass analyzer
- LC-MS suitability: no signal is greater than the molecular peak of reserpine (609 amu) at the concentration of 30 ppb, in a range from 50 to 2000 amu
- Packaged in amber glass bottles pretreated with 1.1-difluoroethane to reduce significantly the potential formation of metals adduct

Description	Notes	Size	Code	Page
Acetonitrile		1 l	412341	142
Acetonitrile		2.5 l	412342	142
Ethyl acetate		1 l	448383	340
Ethyl acetate		2.5 l	448384	340
Methanol		1 l	414831	488
Methanol		2.5 l	414832	488
Propan-2-ol		1 l	415183	623
Propan-2-ol		2.5 l	415184	623
Water		1 l	412111	786
Water		2.5 l	412112	786

LC-MS Acids, Salts and Blends

CARLO ERBA Reagents proposes a wide range of acids and salts, specifically tested for LC-MS coupling, in addition to ready-to-use blends solutions for mobile phases.

Description	Notes	Size	Code	Page
Acetic acid glacial		10 x 1 ml	401411	130
Acetic acid glacial		10 x 2.5 ml	401412	130
Acetic acid glacial		50 ml	401413	130
Acetic acid glacial		1 l	401414	130
Acetonitrile + 0.1% v/v formic acid		1 l	412331	145
Acetonitrile + 0.1% v/v formic acid		2.5 l	412332	145
Acetonitrile + 0.1% v/v trifluoroacetic acid		1 l	412321	145
Acetonitrile + 0.1% v/v trifluoroacetic acid		2.5 l	412322	145
Ammonium acetate		50 g	418781	166
Ammonium formate		50 g	419741	171
Formic acid 99%		10 x 1 ml	405821	362
Formic acid 99%		10 x 2.5 ml	405822	362
Formic acid 99%		50 ml	405823	362
Formic acid 99%		1 l	405824	362
Methanol + 0.1% v/v formic acid		1 l	414861	492
Methanol + 0.1% v/v formic acid		2.5 l	414862	492
Methanol + 0.1% v/v trifluoroacetic acid		1 l	414871	493
Methanol + 0.1% v/v trifluoroacetic acid		2.5 l	414872	493
Trifluoroacetic acid		10 x 1 ml	411541	773
Trifluoroacetic acid		10 x 2.5 ml	411542	773
Trifluoroacetic acid		50 ml	411543	773
Water + 0.1% v/v formic acid		1 l	412121	789
Water + 0.1% v/v formic acid		2.5 l	412122	789
Water + 0.1% v/v trifluoroacetic acid		1 l	412031	789

HPLC Ultragradient Grade Solvents

The gradient control of elution and drift at critical wavelengths of our HPLC solvents, Gold UltraGradient and Plus Gradient Grade, guarantee a peak free baseline. Their optimal sensitivity allows you to evaluate in the best possible way the impurities of your samples. To make sure that no particles in the mobile phase will hinder your analyses, we carry out a microfiltration of our GOLD solvents.

Description	Notes	Size	Code	Page
Acetonitrile		1 l	412371000	142
Acetonitrile		2.5 l	412372000	142
Acetonitrile		4 l	412374	142
Methanol		1 l	412721	488
Methanol		2.5 l	412722	488
Methanol		4 l	412724	488
Methanol		5 l	412725	488

HPLC Gradient Grade Solvents

The solvents of this product line guarantee excellent short-wavelength performance and limited drift, which makes them ideal for gradient and trace analysis.

To make sure that no particle in the mobile phase will hinder your analyses, we carry out a microfiltration of our HPLC gradient plus.

Description	Notes	Size	Code	Page
Acetonitrile		1 l	412393	142
Acetonitrile		1 l	412391000	142

Acetonitrile		2.5 l	412392000	142
Acetonitrile		5 l	412395	142
Ethanol absolute anhydrous		500 ml	412704	331
Ethanol absolute anhydrous	Only for Italian market	1 l	412701	331
Ethanol absolute anhydrous	Only for Italian market	1 l	412703	331
Ethanol absolute anhydrous		1 l	4127012	331
Ethanol absolute anhydrous		1 l	4127032	331
Ethanol absolute anhydrous	Only for Italian market	2.5 l	412702	331
Ethanol absolute anhydrous		2.5 l	4127022	331
Methanol		1 l	412381	488
Methanol		2.5 l	412383	488
Propan-2-ol		1 l	412711000	623
Propan-2-ol		2.5 l	412712000	623
Water		1 l	412141	786
Water		2.5 l	412142	786

HPLC Isocratic Grade Solvents

These products, due to their high purity and strictly controlled chemical-physical parameters, adequately meet the needs of modern analytical HPLC.

Available in glass bottles (1l and 2.5l) or stainless steel shuttle drums (5 to 1000l), their characteristics satisfy the requirements of the most advanced HPLC techniques.

Description	Notes	Size	Code	Page
Acetic acid glacial		1 l	401431	130
Acetic acid glacial		2.5 l	401432	130
Acetone		1 l	412501	138
Acetone		2.5 l	412502	138
Acetonitrile		1 l	412411000	143
Acetonitrile		2.5 l	412412000	143
Acetonitrile		4 l	412413000	143
Butanol-1		1 l	412511000	226
Butanol-1		2.5 l	412512000	226
n-Butyl chloride		1 l	431821	229
tert-Butylmethylether		1 l	432031	230
tert-Butylmethylether		2.5 l	432032	230
tert-Butylmethylether		4 l	432034	230
Chloroform, stab. with Amylene		1 l	412571	259
Chloroform, stab. with Amylene		2.5 l	412572	259
Chloroform, stab. with Ethanol		1 l	412652	259
Chloroform, stab. with Ethanol		2.5 l	412653	259
Cyclohexane		1 l	412431000	286
Cyclohexane		2.5 l	412432000	286
1,2-Dichloroethane		1 l	447191	299
1,2-Dichloroethane		2.5 l	447192	299
Dichloromethane, stab. with Amylene		1 l	412621000	300
Dichloromethane, stab. with Amylene		2.5 l	412622000	300
Dichloromethane, stab. with Ethanol		1 l	412662	300
Dichloromethane, stab. with Ethanol		2.5 l	412661	300
Diethyl ether		1 l	412671	308
Diethyl ether		2.5 l	412672	308
N,N-Dimethylformamide		1 l	444981	314

N,N-Dimethylformamide		2.5 l	444982	314
Dimethylsulphoxide		1 l	445141	317
Dimethylsulphoxide		2.5 l	445142	317
1,4-Dioxane		1 l	443231	321
Ethanol absolute anhydrous	Only for Italian market	1 l	412521	331
Ethanol absolute anhydrous		1 l	4125212	331
Ethanol absolute anhydrous	Only for Italian market	2.5 l	412522	331
Ethanol absolute anhydrous		2.5 l	4125222	331
Ethanol 96°	Only for Italian market	1 l	414541	334
Ethanol 96°		1 l	4145412	334
Ethanol 96°	Only for Italian market	2.5 l	414542	334
Ethanol 96°		2.5 l	4145422	334
Ethyl acetate		1 l	412611000	340
Ethyl acetate		2.5 l	412612000	340
n-Heptane 99%		1 l	412591000	380
n-Heptane 99%		2.5 l	412592000	380
n-Heptane		1 l	446831	382
n-Heptane		2.5 l	446832	382
n-Hexane 99%		1 l	412691	385
n-Hexane 99%		2.5 l	412692	385
n-Hexane		1 l	412601000	386
n-Hexane		2.5 l	412602000	386
Hexane mixture of isomers		1 l	412632	388
Hexane mixture of isomers		2.5 l	412631	388
Isohexane		1 l	445152	438
Isohexane		2.5 l	445151	438
Isooctane		1 l	412441000	439
Isooctane		2.5 l	412442000	439
Methanol		1 l	412531	489
Methanol		1 l	412533	489
Methanol		2.5 l	412532	489
Methanol		2.5 l	412535	489
Methyl acetate		2.5 l	P0043721	495
2-Methyltetrahydrofuran		1 l	412681	505
2-Methyltetrahydrofuran		2.5 l	412682	505
n-Pentane		1 l	P0643716	558
n-Pentane		2.5 l	P0643721	558
Propan-1-ol		1 l	412541000	622
Propan-1-ol		2.5 l	412542000	622
Propan-2-ol		1 l	412821	623
Propan-2-ol		1 l	412421000	624
Propan-2-ol		2.5 l	412422000	624
Tetrahydrofuran		1 l	412451000	751
Tetrahydrofuran		1 l	412453000	751
Tetrahydrofuran		2.5 l	412452000	751
Tetrahydrofuran, stab. with BHT		1 l	412471	751
Tetrahydrofuran, stab. with BHT		2.5 l	412472	751
Toluene		1 l	412641000	765
Toluene		2.5 l	412642000	765
Triethylamine		1 l	489631	772

Triethylamine		2.5 l	489633	772
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HPLC Preparative Solvents

Our range of solvents for HPLC preparative have been designed to satisfy the requirements of separations and purifications. Their low non-volatile residue content (from 5 to 10 ppm maximum) allows to optimize the operation conditions and to make impurity-free preparations. All these solvents are available in 2.5 l bottles and in stainless steel shuttle drums from 5 to 1 000 l.

Description	Notes	Size	Code	Page
Acetonitrile		2.5 l	412409	143
tert-Butylmethylether		2.5 l	432022000	230
Chloroform		2.5 l	438641	260
Dichloromethane		2.5 l	463281	300
Dichloromethane		2.5 l	463291	300
Ethyl acetate		2.5 l	448211	341
Propan-2-ol		2.5 l	415112	624
Tetrahydrofuran		2.5 l	487352	752
Toluene		2.5 l	488531	766

Silica Gel and Filter aids

Besides the widely used silica gel, other products with particular characteristics are also available and offer a series of valid alternatives for resolving numerous separation problems.

Description	Notes	Size	Code	Page
Aluminum oxide (acid)		250 g	417185	155
Aluminum oxide (acid)		1 kg	417182	155
Aluminum oxide (basic)		100 g	417214	155
Aluminum oxide (basic)		1 kg	417217	155
Aluminum oxide (neutral)		250 g	417245	156
Aluminum oxide (neutral)		1 kg	417241	156
Aluminum oxide activated		1 kg	312261	156
Calcium carbonate		250 g	433245	237
Cellulose, powder		250 g	436061	250
Charcoal activated		250 g	434455	255
Charcoal activated		1 kg	434454	255
Charcoal activated	Granular	1 kg	P4610017	255
Dicalite 4158		500 g	P8880014	297
Dicalite 4158		1 kg	P8880017	297
Dicalite 4158		5 kg	P8880027	297
Florisil 60-100 mesh		100 g	452331	356
Florisil 60-100 mesh		500 g	452333	356
Florisil 60-100 mesh		1 kg	452332	356
Florisil 60-100 mesh		100 g	452271	356
Florisil 60-100 mesh		500 g	452273	356
Florisil 100-200 mesh		100 g	452351	357
Florisil 100-200 mesh		500 g	452353	357
Kieselguhr composed		250 g	449895	449
Kieselguhr composed		1 kg	449897	449
Magnesium oxide		1 kg	459617	473
Sand purified		1 kg	477153	644
Silica gel 60A 6 - 35 μ		1 kg	P2010017	648
Silica gel 60A 6 - 35 μ		5 kg	P2010027	648
Silica gel 60A 6 - 35 μ		25 kg	P2010044	648

Silica gel 60A 20 - 45 μ	1 kg	P2200017	648
Silica gel 60A 20 - 45 μ	5 kg	P2200027	648
Silica gel 60A 35 - 70 μ	1 kg	P2000017	649
Silica gel 60A 35 - 70 μ	2 kg	P2000026	649
Silica gel 60A 35 - 70 μ	5 kg	P2000027	649
Silica gel 60A 35 - 70 μ	25 kg	P2000044	649
Silica gel 60A 35 - 70 μ	100 g	453351	649
Silica gel 60A 35 - 70 μ	500 g	453352	649
Silica gel 60A 35 - 70 μ	1 kg	453353	649
Silica gel 60A 35 - 70 μ	5 kg	453355	649
Silica gel 60A 40 - 63 μ	1 kg	P2050017	649
Silica gel 60A 40 - 63 μ	5 kg	P2050027	649
Silica gel 60A 40 - 63 μ	25 kg	P2050044	649
Silica gel 60A 70 - 200 μ	1 kg	P2100017	650
Silica gel 60A 70 - 200 μ	2 kg	P2100026	650
Silica gel 60A 70 - 200 μ	5 kg	P2100027	650
Silica gel 60A 70 - 200 μ	25 kg	P2100044	650
Silica gel 60A 0,06 \pm 0,20 mm	500 g	453336	650
Silica gel 60A 0,06 \pm 0,20 mm	1 kg	453337	650
Silica gel 60A 0,06 \pm 0,20 mm	5 kg	453332	650
Silica gel 60A 0,06 \pm 0,20 mm	20 kg	453331	650



GAS CHROMATOGRAPHY

Broad spectrum chemical analysis of trace level components is a continuing challenge for any analytical chemist. This challenge is further confounded when chemical impurities may be present in common organic solvents or when chemical artifacts may be formed, produced and introduced during an analytical procedure. Minimizing and understanding these chemical artifacts is critical for trace level detection and is crucial for accurate analytical conclusions.

CARLO ERBA Reagents GC Solvents are the best choice for your complex mixture challenges.

GC-MS Solvents

The recent technological advances of GC-MS, GC-MS/MS and 2D GC-MS have opened new analytical horizons, in terms of selectivity of the result, and allowed a reduction of detection limits, reducing the need for cleaning the sample and the introduction of faster methods for sample preparation.

The role and the choice of the quality of the solvent is consequently crucial for the production of a precise and accurate analytical data.

That is why we are introducing a new product range dedicated to the most demanding need for GC-MS. These products were specifically tested for GC/MS test for individual signals, with a retention range of C11 to C40 with a scanning area of 30-600 amu with a guarantee of less than 2µg/l of impurities.

The CARLO ERBA Reagents GC-MS solvents guarantee excellent performance, even for the analysis of the most complex mixtures.

Description	Notes	Size	Code	Page
Acetone		1 l	400952	138
Chloroform		1 l	438732	260
Dichloromethane		1 l	463332	301
Dichloromethane		1 l	463342	301
Ethyl acetate		1 l	448342	341
n-Hexane 99%		1 l	447212	385
Methanol		1 l	414952	489
n-Pentane 99%		1 l	468172	557
n-Pentane		1 l	468182	558

Head Space Solvents

The operating principle of this technique is based on the chromatographic analysis of the vapor phase in thermodynamic equilibrium above the sample enclosed in a sealed container.

Analysis of residue solvents using GC Heaspace techniques, has become a major control procedure in pharmaceutical and food related industries. CARLO ERBA Reagents has recently developed solvents specifically tested for GC-HS applications. Their purity and handling specifications meet the requirements of the latest Pharmacopoeia guidelines for the residual solvent content in pharmaceutical products.

Description	Notes	Size	Code	Page
N,N-Dimethylacetamide		1 l	444311	313
N,N-Dimethylformamide		1 l	444991	315
Dimethylsulphoxide		1 l	445121	318
N-Methyl-2-pyrrolidone		1 l	462881	502
Water		1 l	412011	786

PESTIPUR® Solvents for pesticides residue analysis

The control of pesticide residues in the food and environmental sectors is remarkably important today, as these substances represent a potential public health hazard.

The purity of the solvent is a determinant factor in obtaining reliable results. Thus it is essential to have products available with suitable parameters for this type of application.

To meet these needs, CARLO ERBA Reagents offers its PESTIPUR® line of solvents, specific for the extraction of pesticides and the analysis of chlorinated and nitrogenous residues, even at trace levels.

Our products are prepared according to the most advanced distillation techniques and strictly controlled in order to guarantee the highest level of quality.

Various functionality tests ensure a stable base line in gas chromatography.

For the entire PESTIPUR® line, the absence of critical impurities is ensured by means of precise functionality tests in GC-ECD and GC-NPD.

Description	Notes	Size	Code	Page
Acetone		1 l	400991	138
Acetone		2.5 l	400992000	138
Acetone		4 l	400994	138

Acetone	2.5 l	400932	138
Acetonitrile	1 l	401241	143
Acetonitrile	2.5 l	401242	143
Acetonitrile	4 l	401243	143
tert-Butylmethylether	1 l	432061	230
tert-Butylmethylether	2.5 l	432062	230
Chloroform, stab. with Amylene	1 l	438681	260
Chloroform, stab. with Amylene	2.5 l	438682	260
Chloroform, stab. with Ethanol	1 l	438651	260
Chloroform, stab. with Ethanol	2.5 l	438652	260
Cyclohexane	1 l	436931	286
Cyclohexane	2.5 l	436932	286
Dichloromethane, stab. with Amylene	1 l	442291	301
Dichloromethane, stab. with Amylene	2.5 l	442292000	301
Dichloromethane, stab. with Amylene	4 l	442294	301
Dichloromethane, stab. with Ethanol	1 l	442261	302
Dichloromethane, stab. with Ethanol	2.5 l	442262	302
Diethyl ether	1 l	447651	308
Diethyl ether	2.5 l	447652	308
N,N-Dimethylformamide	1 l	444941	315
N,N-Dimethylformamide	2.5 l	444942	315
Ethyl acetate	1 l	448351	341
Ethyl acetate	2.5 l	448352000	341
n-Heptane 99%	1 l	446951	380
n-Heptane 99%	2.5 l	446952	380
Heptane mixture of isomers	1 l	446841	382
Heptane mixture of isomers	2.5 l	446842	382
n-Hexane 99%	1 l	447111	385
n-Hexane 99%	2.5 l	447112000	385
n-Hexane	1 l	447011	386
n-Hexane	2.5 l	447012	386
n-Hexane	4 l	447013	386
Hexane mixture of isomers	1 l	447181	388
Hexane mixture of isomers	2.5 l	447182	388
Isohexane	1 l	447131	439
Isohexane	2.5 l	447132	439
Isooctane	1 l	456791	439
Isooctane	2.5 l	456792	439
Methanol	1 l	414930	489
Methanol	2.5 l	414932	489
n-Pentane	1 l	468161	558
n-Pentane	2.5 l	468162	558
Petroleum ether 40 - 65°C	1 l	447851	566
Petroleum ether 40 - 65°C	2.5 l	447852	566
Petroleum ether 35 - 60°C	1 l	447862	567
Petroleum ether 35 - 60°C	2.5 l	447861	567
Propan-2-ol	1 l	415281	624
Toluene	1 l	488591	766
Toluene	2.5 l	488592	766
Toluene	4 l	488594	766

ATRASOL® Solvents for the detection of traces in organic compounds and hydrocarbons

Specific solvents for gas chromatographic analysis of trace pollutants.

High purity, guaranteed absence of extraneous peaks in gas chromatographic determinations and guarantee of reproducibility and repeatability of the result are the main feature of this line.

Furthermore, for all the ATRASOL® solvents, the absence of critical impurities is ensured by means of precise functionality tests in GC-ECD and GC-FID.

Description	Notes	Size	Code	Page
Acetone		1 l	P0053216	138
Acetone		2.5 l	P0053221	138
Acetone		4 l	P0053282	138
Chloroform		1 l	P02432E16	260
Chloroform		2.5 l	P02432E21	260
Dichloromethane, stab. with Amylene		1 l	P02932A16	301
Dichloromethane, stab. with Amylene		2.5 l	P02932A21	301
Dichloromethane, stab. with Amylene		4 l	P02932A82	301
Dichloromethane, stab. with Ethanol		1 l	P02932E16	301
Dichloromethane, stab. with Ethanol		2.5 l	P02932E21	301
N,N-Dimethylformamide		1 l	P0343216	315
N,N-Dimethylformamide		2.5 l	P0343221	315
Dimethylsulphoxide		1 l	P0353216	318
Dimethylsulphoxide		2.5 l	P0353221	318
Ethyl acetate		1 l	P0023216	341
Ethyl acetate		2.5 l	P0023221	341
n-Hexane 99%		1 l	P052323016	385
n-Hexane 99%		2.5 l	P052323021	385
Methanol		1 l	P0933216	489
Methanol		2.5 l	P0933221	489
n-Pentane 99%		1 l	P064323016	557
n-Pentane 99%		2.5 l	P064323021	557
Toluene		1 l	P0713216	766
Toluene		2.5 l	P0713221	766
Toluene		4 l	P0713282	766

ATRASOL® Solvents for Hydrocarbon index determination according to EN ISO 9377-2

The European regulation UNI ISO 9377-2 "Determination of hydrocarbon oil index - Method using solvent extraction and gas chromatography", established the criteria for the evaluation of the hydrocarbon index in water using gas chromatography. This procedure is suitable for surface water, wastewater and water from sewage treatment plants.

CARLO ERBA Reagents offer suitable extraction solvents, with their boiling range between 56 and 69°C.

Each production lot is specifically analyzed so that the hydrocarbon index is less than or equal to 0.1 mg/l, in the retention time window between n-decane and n-tetracontane.

Description	Notes	Size	Code	Page
n-Hexane		1 l	P0523216	386
n-Hexane		2.5 l	P0523221	386
Isohexane		1 l	P6263216	438
Isohexane		2.5 l	P6263221	438
n-Pentane		1 l	P0643216	558
n-Pentane		2.5 l	P0643221	558
Petroleum ether 35 - 60°C		1 l	P0883216	567
Petroleum ether 35 - 60°C		2.5 l	P0883221	567



ION PAIR CHROMATOGRAPHY

Ion Pair Chromatography was developed to allow the separation of complex mixtures of polar and ionic molecules, which often are not well separated by ion exchange chromatography. The selectivity is determined by the mobile phase: the organic eluent is supplemented with a specific ion-pairing reagent. The IPC reagents are large ionic molecules having a charge opposite to the targeted analyte, as well as a hydrophobic region to interact with the stationary phase. The counter-ion combines with the ions of the eluent, becoming ion pairs in the stationary phase. Ion pairs are then separated on Reverse-phase HPLC columns.

Reagents for Ion Pair Chromatography

Derivatives can be used to solve common analytical problems related to ionic or polarized products in chromatography. The following reagents are additives for the mobile phase that allow the separation in reversed-phase HPLC of ionic or highly polar substances (counter-ion tetraalkylammonium for anionic electrolytes, alkyl or aryl sulfonate for cationic electrolytes).

Benefits of CARLO ERBA ion-pair reagents are:

- The purity of the mobile phase and therefore the accuracy of the results depend on the quality of the additive
- The specifications of our ion pair reagents are in line with the requirements of Reverse-phase HPLC: high purity $\geq 99\%$, minimum UV absorption in the far UV, controlled pH and minimum loss on drying

Description	Notes	Size	Code	Page
1-Butanesulfonic acid sodium salt		25 g	405631	225
1-Butanesulfonic acid sodium salt		100 g	405632	225
1-Decanesulfonic acid sodium salt		25 g	405871	290
1-Decanesulfonic acid sodium salt		100 g	405872	290
1-Dodecanesulfonic acid sodium salt		25 g	405881	324
1-Dodecanesulfonic acid sodium salt		100 g	405882	324
Dodecyltrimethylammonium bromide		25 g	405941	325
1-Heptanesulphonic acid sodium salt		25 g	405851	383
1-Heptanesulphonic acid sodium salt		100 g	405852	383
1-Hexanesulphonic acid sodium salt		25 g	405621	389
1-Hexanesulphonic acid sodium salt		100 g	405622	389
1-Hexanesulphonic acid sodium salt monohydrate		25 g	405921	389
1-Hexanesulphonic acid sodium salt monohydrate		100 g	405922	389
1-Octanesulphonic acid sodium salt		25 g	405861	537
1-Octanesulphonic acid sodium salt		100 g	405862	537
1-Octanesulphonic acid sodium salt		1 kg	405863	537
1-Octanesulfonic acid sodium salt monohydrate		25 g	405931	538
1-Octanesulfonic acid sodium salt monohydrate		100 g	405932	538
1-Pentanesulphonic acid sodium salt		25 g	405841	559
1-Pentanesulphonic acid sodium salt		100 g	405842	559
1-Pentanesulphonic acid sodium salt monohydrate		25 g	405891	560
1-Pentanesulphonic acid sodium salt monohydrate		100 g	405892	560
1-Propanesulfonic acid sodium salt		25 g	405901	627
1-Propanesulfonic acid sodium salt		100 g	405902	627
Tetrabutylammonium bisulfate		25 g	405971	748
Tetrabutylammonium bisulfate		100 g	405972	748

**ION CHROMATOGRAPHY**

Ion chromatography is a widely used technique that separates ions and polar molecules based on their affinity to the ion exchanger. It is often used in protein purification and water analysis. It works on almost any kind of charged molecule—including large proteins, small nucleotides, and amino acids.

Standard Solutions for Ion Chromatography

Our standard solutions for ion chromatography are obtained by dissolution of a high-purity salt (+99.9%) in water. They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034;
- Concentrations equal to 1000 ppm;
- Guaranteed titer with its uncertainty;
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials;
- Available in HDPE bottles;
- Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval;

Description	Notes	Size	Code	Page
Ammonium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503311	165
Ammonium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503313	165
Bromate standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503171	210
Bromate standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503173	210
Bromide standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503211	210
Bromide standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503213	210
Calcium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503221	235
Calcium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503223	235
Calcium standard solution	conc. 1.000 ppm Matrix: Water and nitric acid	500 ml	503389	235
Chlorate standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503181	257
Chlorate standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503183	257
Chloride standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503231	257
Chloride standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503233	257
Chlorite standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503191	257
Chlorite standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503193	257
Chromate standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503241	264
Chromate standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503243	264
Cyanide standard solution	conc. 1.000 ppm Matrix: Water and nitric acid	100 ml	503358	285
Fluoride standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503251	358
Fluoride standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503253	358
Iodide standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503261	424
Iodide standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503263	424
Lithium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503281	462
Lithium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503283	462
Magnesium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503291	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503293	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Water and nitric acid	500 ml	503390	469
Nitrate standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503331	527
Nitrate standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503333	527
Nitrite standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503321	534
Nitrite standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503323	534
Phosphate standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503341	574
Phosphate standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503343	574
Potassium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503271	583
Potassium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503273	583
Sodium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503301	661
Sodium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503303	661

Strontium standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503361	723
Sulfate standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503351	729
Sulfate standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503353	729

Multistandard Solutions for Ion Chromatography

For instrument calibration, the following multi-ion standard solutions are available for ion chromatography, complete with certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval. CARLO ERBA Reagents offers to customers the possibility of requesting quotes and ordering custom-made multi-ion solutions. Just send us your request, specifying the ions of interest, their respective concentrations and the volume requested.

Description	Notes	Size	Code	Page
Multianions standard for ion chromatography	7 elements: Br-, Cl-, NO ₃ -, NO ₂ -, PO ₄ ³⁻ , SO ₄ ²⁻ , F- 1g/l each - Matrix: Water	100 ml	504526	512
Multianions standard for ion chromatography	7 elements: Br- 100ppm, SO ₄ ²⁻ 150ppm, PO ₄ ³⁻ 50ppm, Cl- 30ppm, NO ₂ - 30ppm, NO ₃ - 20ppm, F- 20 ppm - Matrix: Water	100 ml	504527	512
Multianions standard for ion chromatography	7 elements: F- 20mg/l; Cl- 100mg/l; NO ₂ - 100mg/l; Br- 100mg/l; NO ₃ - 100mg/l; PO ₄ ³⁻ 200mg/l; SO ₄ ²⁻ 100mg/l; Matrix: Water	500 ml	504677	512

Concentrated mobile phases for Ion Chromatography

The following eluents are filtered at 0.2µm and prepared from ultra-pure salts and 18-megaohm deionized water. These are concentrated solutions that should be diluted by a factor of 100.

Description	Notes	Size	Code	Page
Eluent sodium bicarbonate	0.5 M Sodium bicarbonate	100 ml	504534	327
Eluent sodium bicarbonate	0.5 M Sodium bicarbonate	1 l	507578	327
Eluent sodium carbonate	0.5 M Sodium carbonate	100 ml	504533	327
Eluent sodium carbonate	0.5 M Sodium carbonate	1 l	507577	327
Eluent sodium carbonate/sodium bicarbonate	0.18 M Sodium carbonate / 0.17 M Sodium bicarbonate	100 ml	504530	328
Eluent sodium carbonate/sodium bicarbonate	0.22 M Sodium carbonate / 0.28 M Sodium bicarbonate	100 ml	504531	328
Eluent sodium carbonate/sodium bicarbonate	0.35 M Sodium carbonate / 0.1 M Sodium bicarbonate	100 ml	504532	328



TRACE ANALYSIS: METALS

In choosing the most appropriate analytical method to determine metals, each laboratory must consider the sample type and concentration levels, the number of elements to be determined and the costs the choice implies.

As a result, flame and graphite furnace atomic absorption spectrophotometry (AA) and inductively coupled plasma (ICP and ICP-MS) emission spectrometry are the most widely used analytical methods for determining trace elements.

Instrumental analysis, using ICP or AA, generally involves a preliminary treatment of the sample. This operation, known as acid mineralization, consists in a digestion process with hot concentrated acid in order to extract the elements of interest. CARLO ERBA Reagents offers two specific complete range of products (acids, bases and water) for sample and blank preparation. The purity of these products guarantees maximum reliability of the result.

Superpure Acids for trace metal analysis at ppb level

SUPERPURE range is characterized by blank values generally between 0.5 and 1 ppb, for the 60-plus declared impurities.

They are produced using the most advanced sub-boiling distillation techniques, in special equipment made of quartz or Teflon and packaged in a controlled environment.

In order to minimize the possibility for contamination of the resultant distillate, the packaging is performed in a clean room. They are available in a wide variety of molecules and sizes.

Description	Notes	Size	Code	Page
Acetic acid glacial		500 ml	401405	131
Acetic acid glacial		1 l	401406	131
Acetic acid glacial		2.5 l	401407	131
Ammonia solution 20 - 22%		500 ml	420175	163
Hydrochloric acid 34-37%		500 ml	403915	396
Hydrochloric acid 34-37%		1 l	403916	396
Hydrochloric acid 34-37%		2.5 l	403917	396
Hydrochloric acid 29-31%		1 l	403921	398
Hydrofluoric acid 47-51%		500 ml	405716	411
Nitric acid 67-70%		500 ml	408115	529
Nitric acid 67-70%		1 l	408116	529
Nitric acid 67-70%		2.5 l	408117	529
Perchloric acid 65-71%		1 l	409193	560
Sulfuric acid 93-98%		500 ml	410405	734
Sulfuric acid 93-98%		1 l	410406	734
Sulfuric acid 93-98%		2.5 l	410407	734

Ultrapure Acids for trace metal analysis at ppt level

ULTRAPURE range is characterized by blank values generally between 50 and 1 ppt, for the 60-plus declared impurities. This extreme level of purity is obtained using the double sub-boiling distillation process and preserved in Teflon packaging, preconditioned with hot acid for at least one week.

Description	Notes	Size	Code	Page
Acetic acid glacial		500 ml	401361	131
Ammonia solution 20 - 22%		500 ml	420161	163
Hydrochloric acid 32-35%		500 ml	403891	396
Hydrofluoric acid 47-51%		500 ml	405611	411
Hydrogen peroxide solution 30-32%		500 ml	412051	413
Nitric acid 67-69%		250 ml	408052	530
Nitric acid 67-69%		500 ml	408051	530
Sulfuric acid 93-98%		500 ml	410351	733
Water		500 ml	412185	787

Standard solutions 1.000 ppm for AAS

Atomic absorption is the most sensitive technique available to analysts for the determination of metal impurities. It is a technique based on a sequential system which is generally slow but achieves sensitivity limits unattainable with other instrumental techniques. The following ready-to-use standard single-element solutions are obtained by dissolution of the metal, at a purity level of 99.9%, in hydrochloric acid.

They are characterized by:

- Concentration of the metal equal to 1.000 ppm
- Available in 100ml and 500ml bottles in polyethylene or glass depending on compatibility
- Certificate of analysis with references on the N.I.S.T. Standard Reference Materials and uncertainty

Description	Notes	Size	Code	Page
Aluminum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504190	152
Aluminum standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504186	152
Aluminum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497405	152
Aluminum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497401	152
Antimony standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	507525	183
Antimony standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	507479	183
Antimony standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497415	183
Antimony standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497411	183
Arsenic standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504439	185
Arsenic standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507496	185
Barium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507527	191
Barium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507481	191
Barium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497445	191
Barium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497441	191
Beryllium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	506941	201
Beryllium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507497	201
Bismuth standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507528	202
Bismuth standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507482	202
Bismuth standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497455	202
Bismuth standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497451	202
Boron standard solution	conc. 1.000 ppm Matrix: Water	100 ml	E497465	208
Boron standard solution	conc. 1.000 ppm Matrix: Water	500 ml	E497461	208
Cadmium standard solution	conc. 1000 ppm Matrix: Nitric acid	100 ml	507529	232
Cadmium standard solution	conc. 1000 ppm Matrix: Nitric acid	500 ml	507483	232
Calcium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507530	235
Calcium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507476	235
Calcium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497485	235
Calcium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497481	235
Cerium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507531	250
Cerium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507498	250
Cesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507532	253
Cesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507499	253
Chromium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	504195	265
Chromium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507485	265
Chromium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497501	265
Cobalt standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507533	271
Cobalt standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507484	271
Cobalt standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497495	271
Cobalt standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497491	271
Copper standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504545	276

Copper standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507478	276
Copper standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497615	276
Copper standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497611	276
Dysprosium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507734	326
Dysprosium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507500	326
Erbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507735	329
Erbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507501	329
Europium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507736	352
Europium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507502	352
Gadolinium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507737	366
Gadolinium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507504	366
Gallium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507739	367
Gallium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507503	367
Germanium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507740	369
Germanium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507505	369
Gold standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497585	375
Gold standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497581	375
Hafnium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507741	378
Hafnium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507506	378
Holmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507742	391
Holmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507507	391
Indium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	507743	423
Indium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507508	423
Iron standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504194	429
Iron standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507393	429
Iron standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497515	429
Iron standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497511	429
Lanthanum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507744	454
Lanthanum standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507509	454
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507752	456
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507490	456
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	E497595	456
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	E497591	456
Lithium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507745	462
Lithium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507486	462
Lithium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497525	462
Lithium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497521	462
Magnesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503718	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503719	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497535	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497531	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Water	500 ml	507039	469
Manganese standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507746	479
Manganese standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507488	479
Manganese standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497545	479
Manganese standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497541	479
Mercury standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	497555	484
Mercury standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	497551	484
Mercury standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503640	484

Mercury standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507489	484
Molybdenum standard solution	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid	100 ml	507747	511
Molybdenum standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	507494	511
Molybdenum standard solution	conc. 1.000 ppm Matrix: Ammonium hydroxide	100 ml	E497565	511
Molybdenum standard solution	conc. 1.000 ppm Matrix: Ammonium hydroxide	500 ml	E497561	511
Neodymium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507748	520
Neodymium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507510	520
Nickel standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507749	522
Nickel standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507487	522
Nickel standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497575	522
Nickel standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497571	522
Niobium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	507750	527
Niobium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507511	527
Palladium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507751	553
Palladium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507512	553
Potassium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507753	582
Potassium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	506960	582
Potassium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497605	582
Potassium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497601	582
Rhenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507754	638
Rhenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507513	638
Rubidium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507755	641
Rubidium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507514	641
Samarium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507756	643
Samarium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507515	643
Scandium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507757	645
Scandium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507516	645
Selenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507758	647
Selenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507491	647
Selenium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497625	647
Selenium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497621	647
Silicon standard solution	conc. 1.000 ppm Matrix: Water	100 ml	E497635	651
Silicon standard solution	conc. 1.000 ppm Matrix: Water	500 ml	E497631	651
Silver standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507526	653
Silver standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507480	653
Sodium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507759	661
Sodium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503749	661
Sodium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497645	661
Sodium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497641	661
Strontium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507760	723
Strontium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507493	723
Strontium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497665	723
Strontium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497661	723
Tantalum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507761	745
Tantalum standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507517	745
Tellurium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507762	747
Tellurium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507518	747
Thulium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507763	757

Thulium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507519	757
Tin standard solution	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid	100 ml	503949	760
Tin standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	507492	760
Tin standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497655	760
Tin standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497651	760
Titanium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	507764	763
Titanium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	507520	763
Tungsten standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	507765	779
Tungsten standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	507521	779
Vanadium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507766	783
Vanadium standard solution	conc. 1000 ppm Matrix: Nitric acid	500 ml	504187	783
Vanadium standard solution	conc. 1.000 ppm Matrix: Sulfuric acid	100 ml	E497675	783
Vanadium standard solution	conc. 1.000 ppm Matrix: Sulfuric acid	500 ml	E497671	783
Ytterbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507768	794
Ytterbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507523	794
Yttrium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507767	795
Yttrium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507522	795
Zinc standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	507769	798
Zinc standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	E497685	798
Zinc standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	507477	798
Zinc standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	E497681	798
Zirconium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	507770	804
Zirconium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	507524	804

Auxiliary products for AAS: Blank, Ionisation standards and matrix modifiers

Ionization buffers, prepared from high-purity salts (99,999%), are used to eliminate ionization phenomena and chemical interference in AAS. Matrix modifiers for graphite furnace AAS can be used diluted or mixed depending on the user's needs, are useful in eliminating the matrix effect in AAS.

Description	Notes	Size	Code	Page
Ammonium di-hydrogen phosphate 25 mg/L solution	Matrix: 1% Nitric acid	50 ml	503194	172
Ammonium nitrate 200 mg/l solution	Matrix: Water	50 ml	503195	174
Cadmium standard solution	conc. 5 ppb - Matrix: 2% Nitric acid	50 ml	504360	232
Cesium chloride 25 g/l solution	Matrix: Water	500 ml	504536	254
Copper standard solution	conc. 10 ppb - Matrix: 2% Nitric acid	50 ml	504361	276
Lanthanum chloride 25 g/l solution	Matrix: Hydrochloric acid	500 ml	504537	454
Lead standard solution	conc. 10 ppb - Matrix: 1% Nitric acid	50 ml	504364	456
Magnesium nitrate 10 g/l solution	Matrix: Water	50 ml	503196	473
Manganese standard solution	conc. 20 ppb - Matrix: 2% Nitric acid	50 ml	504362	480
Mercury standard solution	conc. 0.5 ppm - Matrix: 2% Nitric acid	100 ml	504370	485
Nickel standard solution	conc. 10 ppb - Matrix: 2% Nitric acid	50 ml	504363	522
Nickel (II) nitrate 10g/l	Matrix: 1% Nitric acid	50 ml	503197	524
Palladium nitrate 2 g/l solution	Matrix: 1% Nitric acid	50 ml	503198	554
Palladium nitrate 2 g/l solution	Matrix: 15% Nitric acid	50 ml	503202	554
Potassium chloride 25g/l in HCl	Matrix: 2% Hydrochloric acid	500 ml	504538	589

Water deionized and acidified	Matrix: 2 % Nitric acid	1 l	504550	789
Water deionized and acidified	Matrix: 5 % Nitric acid	1 l	504551	789
Water deionized and acidified	Matrix: 10 % Nitric acid	1 l	504552	789
Water deionized and acidified	Matrix: 2 % Hydrochloric acid	1 l	504553	789
Water deionized and acidified	Matrix: 5 % Hydrochloric acid	1 l	504554	789
Water deionized and acidified	Matrix: 10 % Hydrochloric acid	1 l	504557	789

Monoelement Standard solutions 10.000 ppm for ICP

These standard solutions are obtained by dissolution of the metal, at a purity level of 99.99%, in an acid (usually nitric acid).

They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
- Concentrations of 10.000 ppm
- Guaranteed titer with its uncertainty
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials;
- Available in 100ml and 500ml polyethylene bottles
- Certificate of analysis with references to the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Description	Notes	Size	Code	Page
Aluminum standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503415	152
Aluminum standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503417	152
Antimony standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503895	182
Antimony standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503897	182
Arsenic standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503425	185
Arsenic standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503427	185
Barium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503455	191
Barium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503457	191
Bismuth standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503475	202
Bismuth standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503477	202
Boron standard solution	conc. 10.000 ppm Matrix: Water	100 ml	503445	208
Boron standard solution	conc. 10.000 ppm Matrix: Water	500 ml	503447	208
Cadmium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503495	232
Cadmium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503497	232
Calcium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503485	235
Calcium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503487	235
Cerium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503505	250
Cerium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503507	250
Cesium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503535	253
Cesium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503537	253
Chromium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503525	265
Chromium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503527	265
Cobalt standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503515	271
Cobalt standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503517	271
Copper standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503545	276
Copper standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503547	276
Dysprosium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504235	325
Dysprosium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504237	325
Erbium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504245	329
Erbium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504247	329
Europium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503575	351
Europium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503577	351
Gadolinium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503605	366
Gadolinium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503607	366

Germanium standard solution	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid	100 ml	504255	369
Germanium standard solution	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid	500 ml	504257	369
Gold standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503435	375
Gold standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503437	375
Hafnium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504225	378
Hafnium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504227	378
Holmium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504265	390
Holmium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504267	390
Indium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503655	423
Indium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503657	423
Iron standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503585	428
Iron standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503587	428
Lanthanum standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503685	453
Lanthanum standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503687	453
Lead standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503805	456
Lead standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503807	456
Lithium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503695	462
Lithium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503697	462
Lutetium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503615	467
Lutetium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503617	467
Magnesium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503715	469
Magnesium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503717	469
Manganese standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503725	479
Manganese standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503727	479
Mercury standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503635	484
Mercury standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503637	484
Molybdenum standard solution	conc. 10.000 ppm Matrix: Ammonium hydroxide	100 ml	503735	510
Molybdenum standard solution	conc. 10.000 ppm Matrix: Ammonium hydroxide	500 ml	503737	510
Neodymium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503765	520
Neodymium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503767	520
Nickel standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503775	522
Nickel standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503777	522
Niobium standard solution	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	503755	527
Niobium standard solution	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	503757	527
Palladium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503815	553
Palladium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503817	553
Phosphorus standard solution	conc. 10.000 ppm Matrix: Water	100 ml	503795	577
Phosphorus standard solution	conc. 10.000 ppm Matrix: Water	500 ml	503797	577
Platinum standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503835	581
Platinum standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503837	581
Potassium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503675	582
Potassium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503677	582
Praseodymium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503825	621
Praseodymium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503827	621
Rhodium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503865	639
Rubidium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503845	640

Rubidium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503847	640
Ruthenium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503875	641
Ruthenium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503877	641
Samarium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503935	643
Samarium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503937	643
Scandium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503905	645
Scandium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503907	645
Selenium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503915	647
Selenium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503917	647
Silicon standard solution	conc. 10.000 ppm Matrix: Water	100 ml	503925	651
Silicon standard solution	conc. 10.000 ppm Matrix: Water	500 ml	503927	651
Silicon standard solution	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	504275	651
Silicon standard solution	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	504277	651
Silver standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503405	653
Silver standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503407	653
Sodium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503745	661
Sodium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503747	661
Strontium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503955	722
Strontium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503957	722
Sulfur standard solution	conc. 10.000 ppm Matrix: Water	100 ml	504295	730
Sulfur standard solution	conc. 10.000 ppm Matrix: Water	500 ml	504297	730
Tantalum standard solution	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid	100 ml	503965	745
Tantalum standard solution	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid	500 ml	503967	745
Tellurium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503985	747
Tellurium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503987	747
Terbium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	503975	748
Terbium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	503977	748
Thallium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504015	754
Thallium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504017	754
Tin standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	503945	760
Tin standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	503947	760
Titanium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	100 ml	504005	763
Titanium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	500 ml	504007	763
Tungsten standard solution	conc. 10.000 ppm Matrix: 10% ammonia	100 ml	504055	779
Tungsten standard solution	conc. 10.000 ppm Matrix: 10% ammonia	500 ml	504057	779
Uranium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504035	782
Uranium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504037	782
Vanadium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504045	783
Vanadium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504047	783
Ytterbium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504075	794
Ytterbium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504077	794
Yttrium standard solution	conc. 10.000 ppm Matrix: Nitric acid	100 ml	504065	795
Yttrium standard solution	conc. 10.000 ppm Matrix: Nitric acid	500 ml	504067	795
Zinc standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	100 ml	504085	798
Zinc standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid	500 ml	504087	798

Zirconium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	100 ml	504095	804
Zirconium standard solution	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	500 ml	504097	804

Monoelement Standard solutions 1.000 ppm for ICP

ICP is a widely used analytical technique for trace metal analysis. It is based on a simultaneous system which allows quick and convenient analyses for a large number of determinable elements. One of the latest technological advances in the area of coupled analytical techniques involves the optimization of the ICP-MS technique, a versatile and vital instrument for the quick and reliable analysis of trace and ultra-trace metals.

These standard solutions are obtained by dissolution of the metal, at a purity level of 99.99%, in an acid (usually nitric acid).

They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
- Concentrations of 1.000 ppm
- Guaranteed titer with its uncertainty
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials
- Available in 100ml and 500ml polyethylene bottles
- Certificate of analysis with references to the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Description	Notes	Size	Code	Page
Aluminum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503411	152
Aluminum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503413	152
Antimony standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503891	182
Antimony standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503893	182
Antimony standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	503899	182
Antimony standard solution	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid	500 ml	503898	182
Arsenic standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503421	185
Arsenic standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503423	185
Barium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503451	191
Barium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503453	191
Beryllium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503461	201
Beryllium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503463	201
Bismuth standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503471	202
Bismuth standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503473	202
Boron standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503441	208
Boron standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503443	208
Cadmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503491	232
Cadmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503493	232
Calcium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503481	235
Calcium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503483	235
Cerium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503501	250
Cerium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503503	250
Cesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503531	253
Cesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503533	253
Chromium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503521	265
Chromium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503523	265
Cobalt standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503511	271
Cobalt standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503513	271
Copper standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503541	276
Copper standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503543	276
Dysprosium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504231	325
Dysprosium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504233	325
Erbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504241	329

Erbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504243	329
Europium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503571	351
Europium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503573	351
Gadolinium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503601	366
Gadolinium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503603	366
Germanium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	504251	369
Germanium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	504253	369
Gold standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503431	375
Gold standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503433	375
Hafnium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504221	378
Hafnium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504223	378
Holmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504261	390
Holmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504263	390
Indium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503651	423
Indium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503653	423
Iron standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503581	428
Iron standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503583	428
Lanthanum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503681	453
Lanthanum standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503683	453
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503801	456
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503803	456
Lithium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503691	462
Lithium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503693	462
Lutetium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503611	467
Lutetium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503613	467
Magnesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503711	469
Magnesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503713	469
Manganese standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503721	479
Manganese standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503723	479
Mercury standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503631	484
Mercury standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503633	484
Molybdenum standard solution	conc. 1.000 ppm Matrix: Ammonium hydroxide	100 ml	503731	510
Molybdenum standard solution	conc. 1.000 ppm Matrix: Ammonium hydroxide	500 ml	503733	510
Neodymium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503761	520
Neodymium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503763	520
Nickel standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503771	522
Nickel standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503773	522
Niobium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	503751	527
Niobium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	503753	527
Palladium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503811	553
Palladium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503813	553
Phosphorus standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503791	577
Phosphorus standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503793	577
Platinum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503831	581
Platinum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503833	581
Potassium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503671	582
Potassium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503673	582

Praseodymium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503821	621
Praseodymium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503823	621
Rhodium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503861	639
Rhodium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503863	639
Rubidium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503841	640
Rubidium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503843	640
Ruthenium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503871	641
Ruthenium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503873	641
Samarium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503931	643
Samarium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503933	643
Scandium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503901	645
Scandium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503903	645
Selenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503911	647
Selenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503913	647
Silicon standard solution	conc. 1.000 ppm Matrix: Water	100 ml	503921	651
Silicon standard solution	conc. 1.000 ppm Matrix: Water	500 ml	503923	651
Silicon standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	504271	651
Silicon standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	504273	651
Silver standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503401	653
Silver standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503403	653
Sodium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503741	661
Sodium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503743	661
Strontium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503951	722
Strontium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503953	722
Sulfur standard solution	conc. 1.000 ppm Matrix: Water	100 ml	504291	730
Sulfur standard solution	conc. 1.000 ppm Matrix: Water	500 ml	504293	730
Tantalum standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	503961	745
Tantalum standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	500 ml	503963	745
Tellurium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503981	747
Tellurium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503983	747
Terbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	503971	748
Terbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	503973	748
Thallium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504011	754
Thallium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504013	754
Thorium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504281	756
Thorium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504283	756
Tin standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	503941	760
Tin standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	503943	760
Titanium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	100 ml	504001	763
Titanium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	500 ml	504003	763
Tungsten standard solution	conc. 1.000 ppm Matrix: Water	100 ml	504058	779
Tungsten standard solution	conc. 1.000 ppm Matrix: 4% ammonia	100 ml	504051	779
Tungsten standard solution	conc. 1.000 ppm Matrix: 4% ammonia	500 ml	504053	779
Uranium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504031	782
Uranium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504033	782
Vanadium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504041	783

Vanadium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504043	783
Ytterbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504071	794
Ytterbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504073	794
Yttrium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	504061	795
Yttrium standard solution	conc. 1.000 ppm Matrix: Nitric acid	500 ml	504063	795
Zinc standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	504081	798
Zinc standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	500 ml	504083	798
Zirconium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	100 ml	504091	804
Zirconium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid	500 ml	504093	804

Monoelement Standard solutions 1.000 ppm for ICP-MS

These standard solutions are obtained by dissolution of the metal, at a purity level of 99.999%, in an acid (usually nitric acid).

They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
- Concentrations of 1.000 ppm
- Guaranteed titer with its uncertainty
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials and packaged in a cleanroom
- Available in 100ml LDPE bottles
- Certificate of analysis with references to the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Description	Notes	Size	Code	Page
Aluminum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505309	151
Antimony standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505833	182
Arsenic standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505313	185
Barium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505329	191
Beryllium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505333	201
Bismuth standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505339	202
Boron standard solution	conc. 1.000 ppm Matrix: Water	100 ml	505323	208
Cadmium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505549	232
Calcium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505543	235
Chromium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505569	264
Cobalt standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505563	270
Copper standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505579	275
Gallium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505619	367
Germanium standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505633	369
Gold standard solution	conc. 1000 ppm Matrix: Hydrochloric acid	100 ml	505319	375
Indium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505663	422
Iron standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505613	428
Lanthanum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505693	453
Lead standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505769	456
Lithium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505703	462
Lutetium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505709	467
Magnesium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505713	469
Manganese standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505719	479
Mercury standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505654	484
Molybdenum standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505723	510
Nickel standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505753	522
Phosphorus standard solution	conc. 1.000 ppm Matrix: Water	100 ml	505763	577
Platinum standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	505789	580
Potassium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505683	582

Rhodium standard solution	conc. 1.000 ppm Matrix: Hydrochloric acid	100 ml	505809	638
Scandium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505839	645
Selenium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505843	647
Silver standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505303	653
Sodium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505733	661
Strontium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505869	722
Sulfur standard solution	conc. 1.000 ppm Matrix: Water	100 ml	505823	730
Terbium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505883	748
Thallium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505913	754
Tin standard solution	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505863	760
Titanium standard solution	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid	100 ml	505909	763
Vanadium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505929	783
Yttrium standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505943	794
Zinc standard solution	conc. 1.000 ppm Matrix: Nitric acid	100 ml	505953	797

Monoelement Standard solutions 100 ppm for ICP-MS

These standard solutions are obtained by dissolution of the metal, at a purity level of 99.999%, in an acid (usually nitric acid).

They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
- Concentrations of 100 ppm
- Guaranteed titer with its uncertainty
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials and packaged in a cleanroom
- Available in 100ml LDPE bottles
- Certificate of analysis with references to the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Description	Notes	Size	Code	Page
Aluminum standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505308	151
Antimony standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505835	182
Arsenic standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505315	185
Barium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505328	191
Beryllium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505335	201
Bismuth standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505338	202
Boron standard solution	conc. 100 ppm Matrix: Water	100 ml	505325	208
Cadmium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505548	232
Calcium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505545	235
Cerium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505555	250
Cesium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505575	253
Chromium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505568	264
Cobalt standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505565	270
Copper standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505578	275
Dysprosium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505585	325
Erbium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505595	329
Europium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505605	351
Gadolinium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505625	366
Gallium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505618	367
Germanium standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505635	369
Gold standard solution	conc. 100 ppm Matrix: Hydrochloric acid	100 ml	505318	375
Hafnium standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505645	378
Holmium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505658	390

Indium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505665	422
Iridium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505675	427
Iron standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505615	428
Lanthanum standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505695	453
Lead standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505768	456
Lithium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505705	462
Lutetium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505708	467
Magnesium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505715	469
Manganese standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505718	479
Mercury standard solution	conc. 100 ppm Matrix: Hydrochloric acid	100 ml	505655	484
Mercury standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	506918	484
Molybdenum standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505725	510
Neodymium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505745	519
Nickel standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505755	522
Niobium standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505738	526
Osmium standard solution	conc. 100 ppm Matrix: Hydrochloric acid	100 ml	505758	549
Palladium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505775	553
Phosphorus standard solution	conc. 100 ppm Matrix: Water	100 ml	505765	577
Platinum standard solution	conc. 100 ppm Matrix: Hydrochloric acid	100 ml	505788	580
Potassium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505685	582
Praseodymium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505785	621
Rhenium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505805	638
Rhodium standard solution	conc. 100 ppm Matrix: Hydrochloric acid	100 ml	505808	638
Rubidium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505795	640
Ruthenium standard solution	conc. 100 ppm Matrix: Hydrochloric acid	100 ml	505815	641
Samarium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505855	643
Scandium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505838	645
Selenium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505845	647
Silicon standard solution	conc. 100 ppm Matrix: Water	100 ml	505848	651
Silver standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505305	653
Sodium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505735	661
Strontium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505868	722
Sulfur standard solution	conc. 100 ppm Matrix: Water	100 ml	505825	730
Tantalum standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505875	744
Tellurium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505888	747
Terbium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505885	748
Thallium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505915	754
Thulium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505918	756
Tin standard solution	conc. 100 ppm Matrix: Hydrofluoric acid and nitric acid	100 ml	505865	760
Titanium standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505908	763
Tungsten standard solution	conc. 100 ppm. Matrix: Ammonium hydroxyde	100 ml	505935	779
Uranium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505923	782
Vanadium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505928	783
Ytterbium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505948	794
Yttrium standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505945	794
Zinc standard solution	conc. 100 ppm Matrix: Nitric acid	100 ml	505955	797

Zirconium standard solution	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505958	804
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Monoelement Standard solutions 10 ppm for ICP-MS

These standard solutions are obtained by dissolution of the metal, at a purity level of 99.999%, in an acid (usually nitric acid).

They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
- Concentrations of 10 ppm
- Guaranteed titer with its uncertainty
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials and packaged in a cleanroom
- Available in 100ml LDPE bottles
- Certificate of analysis with references to the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Description	Notes	Size	Code	Page
Aluminum standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505307	151
Antimony standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505832	182
Arsenic standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505312	185
Barium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505327	191
Beryllium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505332	201
Bismuth standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505337	202
Boron standard solution	conc. 10 ppm Matrix: Water	100 ml	505322	208
Cadmium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505547	232
Calcium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505542	235
Cerium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505552	250
Cesium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505572	253
Chromium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505567	264
Cobalt standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505562	270
Copper standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505577	275
Dysprosium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505582	325
Erbium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505592	329
Europium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505602	351
Gadolinium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505622	366
Gallium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505617	367
Germanium standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505632	369
Gold standard solution	conc. 10 ppm Matrix: Hydrochloric acid	100 ml	505317	375
Hafnium standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505642	378
Holmium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505657	390
Indium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505662	422
Iron standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505612	428
Lanthanum standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505692	453
Lead standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505767	456
Lithium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505702	462
Lutetium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505707	467
Magnesium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505712	469
Manganese standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505717	479
Mercury standard solution	conc. 10 ppm Matrix: Nitric acid	100 ml	505652	484
Molybdenum standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505722	510
Neodymium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505742	519
Nickel standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505752	522
Niobium standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505737	526

Palladium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505772	553
Phosphorus standard solution	conc. 10 ppm Matrix: Water	100 ml	505762	577
Platinum standard solution	conc. 10 ppm Matrix: Hydrochloric acid	100 ml	505787	580
Potassium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505682	582
Praseodymium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505782	621
Rhenium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505802	638
Rhodium standard solution	conc. 10 ppm Matrix: Hydrochloric acid	100 ml	505807	638
Rubidium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505792	640
Ruthenium standard solution	conc. 10 ppm Matrix: Hydrochloric acid	100 ml	505812	641
Samarium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505852	643
Scandium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505837	645
Selenium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505842	647
Silicon standard solution	conc. 10 ppm Matrix: Water	100 ml	505847	651
Silver standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505302	653
Sodium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505732	661
Strontium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505867	722
Sulfur standard solution	conc. 10 ppm Matrix: Water	100 ml	505822	730
Tantalum standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505872	744
Tellurium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505887	747
Terbium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505882	748
Thallium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505912	754
Thulium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505917	756
Tin standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505862	760
Titanium standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505907	763
Tungsten standard solution	conc. 10 ppm. Matrix: Ammonium hydroxyde	100 ml	505932	779
Uranium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505922	782
Vanadium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505927	783
Ytterbium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505947	794
Yttrium standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505942	794
Zinc standard solution	conc. 10 ppm. Matrix: Nitric acid	100 ml	505952	797
Zirconium standard solution	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid	100 ml	505957	804

Multielement Standard Solutions for ICP

These standard solutions are intended for calibration of the instrument and are ideal for checking the reproducibility of analytical results. They are obtained by dissolution of various metals in an acid, usually hydrochloric or nitric acid.

They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
- Guaranteed titer with a tolerance of 0.2% at the 95% confidence level
- Raw materials selected and verified against N.I.S.T. Standard Reference Materials
- Available in 100ml and 500ml polyethylene bottles

Contact us with your specific mixture (CAS, concentration, solvent, volume, packaging) and you will receive our offer according to your needs.

Description	Notes	Size	Code	Page
Multielement standard for ICP	13 elements: Al, Mg, Cr, Mn, Cu, Rh, In, Cd, Ce, Pb, Th, B, Ba 0,01mg/ml each - Matrix: Nitric acid	500 ml	504396	513
Multielement standard for ICP	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid	100 ml	504350	514

Multielement standard for ICP	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Nb, Ni, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 1ppm each - Matrix: Nitric acid	100 ml	504354	514
Multielement standard for ICP	40 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, Ga, Ge, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Pd, Rb, Sb, Se, Sn, Sr, Ta, Ti, Tl, U, V, W, Zn, Zr 1ppm each - Matrix: Nitric acid	100 ml	504356	514
Multielement standard for ICP	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid	500 ml	504351	514
Multielement standard for ICP	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Ce, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid	500 ml	504353	514
Multielement standard for ICP	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Nb, Ni, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 1ppm each - Matrix: Nitric acid	500 ml	504355	514
Multielement standard for ICP	40 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, Ga, Ge, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Pd, Rb, Sb, Se, Sn, Sr, Ta, Ti, Tl, U, V, W, Zn, Zr 1ppm each - Matrix: Nitric acid	500 ml	504357	514
Multielement standard for ICP	6 elements: Au, Ir, Pb, Pt, Rh, Ru 100ppm each - Matrix: Nitric acid	100 ml	504301	514
Multielement standard for ICP	16 elements: Al, As, Ba, Be, Bi, Ca, Cs, Ga, In, K, Li, Mg, Na, Rb, Se, Sr 100ppm each - Matrix: Nitric acid	100 ml	504303	514
Multielement standard for ICP	13 elements: Ag, Cd, Co, Cr, Cu, Fe, Hg, Mn, Ni, Pb, Tl, V, Zn 100ppm each - Matrix: Nitric acid	100 ml	504305	514
Multielement standard for ICP	24 components: Ag 1mg/kg; Sb 1mg/kg; As 1mg/kg; Mn 1mg/kg; Cd 1mg/kg; Cr 1mg/kg; Ti 1mg/kg; Pb 1mg/kg; Co 1mg/kg; Ni 1mg/kg; Se 1mg/kg; V 1mg/kg; Mo 1mg/kg; Sn 1mg/kg; Ba 1mg/kg; Be 1mg/kg; Li 1mg/kg; Tl 1mg/kg; Bi 1mg/kg; Al 10mg/kg; Cu 10mg/kg; Fe 10mg/kg; B 10mg/kg; Zn 10mg/kg - Matrix: nitric acid	100 ml	504480	514
Multielement standard for ICP	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid	100 ml	504306	515
Multielement standard for ICP	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid	100 ml	504308	515
Multielement standard for ICP	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 100ppm - Matrix: Nitric acid	100 ml	504310	515
Multielement standard for ICP	9 elements: Au, Ir, Os, Pb, Pt, Rh, Ru, Sn, Te 100ppm each - Matrix: Hydrochloric acid	100 ml	504312	515
Multielement standard for ICP	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid	500 ml	504307	515
Multielement standard for ICP	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid	500 ml	504309	515
Multielement standard for ICP	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 100ppm each - Matrix: Nitric acid	500 ml	504311	515
Multielement standard for ICP	9 elements: Au, Ir, Os, Pb, Pt, Rh, Ru, Sn, Te 100ppm each - Matrix: Hydrochloric acid	500 ml	504313	515

Multielement standard for ICP and ICP-MS	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Ce, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid	100 ml	504352	515
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Multielement Standard Solutions for ICP-MS

These standard solutions are commonly used for tuning ICP-MS instruments and for quality control. They are characterized by:

- Produced under a Quality Management System that is Accredited according to ISO/IEC 17025 and ISO 17034
 - Concentrations of 10 ppm
 - Guaranteed titer with its uncertainty
 - Raw materials selected and verified against N.I.S.T. Standard Reference Materials and packaged in a cleanroom
 - Available in 100ml LDPE bottles
 - Certificate of analysis with references to the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval
- Contact us with your specific mixture (Elements, concentration, matrix, volume, quantity) and you will receive our offer according to your needs.

Description	Notes	Size	Code	Page
Multielement standard for ICP and ICP-MS	9 elements: Be, Mg, Co, In, Rh, Ce, Ba, Pb, U 10ppm each - Matrix: Nitric acid	100 ml	504392	515
Multielement standard for ICP and ICP-MS	13 elements: Ba, Be, Bi, Ce, Cu, Ho, In, Li, Mg, Pb, Tl, U, Y 10ppm each - Matrix: Nitric acid	100 ml	504393	515

**TRACE ANALYSIS: ORGANICS**

CARLO ERBA Reagents offers tailored formulation of organic substances according to the ISO 17025 accredited Quality Management System and ISO Guide 34.

These organic mixtures are specific for instrument calibration and traceable to NIST.

Specific mixtures could be prepared if you send us CAS number, concentration, solvent, volume and packaging.

Standard Solutions for Pesticides analysis

Description	Notes	Size	Code	Page
Organic standard: Pesticide mixture	45 components 10mg/ml each in cyclohexane/ acetone: Acetochlor [CAS:34256-82-1]10mg/l; Aclonifen [CAS:74070-46-5] 10mg/l; Alachlor [CAS:15972-60-8] 10mg/l; Bifenthrin [CAS:82657-04-3] 10mg/l; Cadusafos [CAS:95465-99-9] 10mg/l; Captan [CAS:133-06-2] 10mg/l; Carbofuran [CAS:1563-66-2] 10mg/l; Chlorfenvinphos [CAS:470-90-6]10mg/l; Chlormephos [CAS:24934-91-6] 10mg/l; Chlorothalonil [CAS:1897-45-6] 10mg/l Chlorpyrifos [CAS:2921-88-2] 10mg/l; Chlorpyrifos methyl [CAS:5598-13-0] 10mg/l; lambda-Cyhalothrin [CAS:91465-08-6] 10mg/l; Cypermethrin [CAS:52315-07-8]10mg/l; Delta-HCH [CAS:319-86-8] 10mg/l; Diazinon [CAS:333-41-5] 10mg/l; Dichlobenil [CAS:1194-65-6] 10mg/l; Dinoterb [CAS:1420-07-1] 10mg/l; Endosulfan-total (sulfate) [CAS:1031-07-8] 10mg/l; Fipronil [CAS:120068-37-3] 10mg/l; Folpet [CAS:133-07-3] 10mg/l; Heptachlor-endo-epoxide [CAS:28044-83-9] 10mg/l; Hexachloro-1,3-butadiene [CAS:87-68-3]10mg/l; Iprodione [CAS:36734-19-7] 10mg/l; Isofenphos [CAS:25311-71-1]10mg/l; Malathion [CAS:121-75-5] 10mg/l; Metazachlor [CAS:67129-08-2] 10mg/l; Oxadiazon [CAS:19666-30-9] 10mg/l; Oxyfluorfen [CAS:42874-03-3] 10mg/l; Parathion (Parathion-ethyl) [CAS:56-38-2] 10mg/l; Parathion-methyl [CAS:298-00-0] 10mg/l; Pendimethalin [CAS:40487-42-1] 10mg/l; Pentachlorobenzene [CAS:608-93-5] 10mg/l; Procymidone [CAS:32809-16-8] 10mg/l; Propachlor [CAS:1918-16-7] 10mg/l; Tebutam [CAS:35256-85-0] 10mg/l; Tefluthrin [CAS:79538-32-2] 10mg/l; Terbufos [CAS:13071-79-9] 10mg/l; Tolyfluanid [CAS:731-27-1] 10mg/l; Triazophos [CAS:24017-47-8] 10mg/l; Trifluralin [CAS:1582-09-8] 10mg/l; Vinclozolin [CAS:50471-44-8] 10mg/l; Piperonyl butoxide [CAS:51-03-6] 10mg/l; Metolachlor [CAS:51218-45-2] 5mg/l; S-Metolachlor [CAS:87392-12-9] 5mg/l	1 ml	506897	546

Organic standard: Pesticide mixture	<p>79 components in acetone: Bifenthrin [CAS:82657-04-3] 120µg/ml; lambda-Cyhalothrin [CAS:91465-08-6] 100µg/ml; Cypermethrin [CAS:5231 5-07-8] 130µg/ml; Deltamethrin [CAS:52918-63-5] 130µg/ml; Fenvalerate [CAS:51630-58-1] 105µg/ml; Permethrin [CAS:52645-53-1] 100µg/ml; tau-Fluvalinate [CAS:102851-06-9] 100µg/ml; Tetramethrin [CAS:7696-12-0] 100µg/ml; Aldrin [CAS:309-00-2] 20µg/ml; cis-Chlordane [CAS:5103-71-9] 20µg/ml; trans-Chlordane [CAS:5103-74-2] 20µg/ml; 2,4'-DDD [CAS:53-19-0] 20µg/ml; 4,4'-DDD (TDE) [CAS:72-54-8] 20µg/ml; 2,4'-DDE [CAS:3424-82-6] 20µg/ml; 4,4'-DDE [CAS:72-55-9] 20µg/ml; 2,4'-DDT [CAS:789-02-6] 20µg/ml; 4,4'-DDT [CAS:50-29-3] 20µg/ml; Dieldrin [CAS:60-57-1] 20µg/ml; Endosulfan-alpha [CAS:959-98-8] 20µg/ml; Endosulfan-beta [CAS:33213-65-9] 20µg/ml; Endosulfan-total (sulfate) [CAS:1031-07-8] 20µg/ml; Endrin [CAS:72-20-8] 20µg/ml; Endrin aldehyde [CAS:7421-93-4] 20µg/ml; Alpha-HCH [CAS:319-84-6] 20µg/ml; Beta-HCH [CAS:319-85-7] 20µg/ml; Delta-HCH [CAS:319-86-8] 20µg/ml; Gamma-HCH (Lindane) [CAS:58-89-9] 20µg/ml; Heptachlor [CAS:76-44-8] 20µg/ml; Heptachlor-endo-epoxide [CAS:28044-83-9] 20µg/ml; Heptachlor-exo-epoxide [CAS:1024-57-3] 20µg/ml; Hexachlorobenzene [CAS:118-74-1] 20µg/ml; PCB 209 [CAS:2051-24-3] 20µg/ml; PCB 29 [CAS:15862-07-4] 20µg/ml; Vinclozolin [CAS:50471-44-8] 20µg/ml; Alachlor [CAS:15972-60-8] 100µg/ml; Bromopropylate [CAS:18181-80-1] 50µg/ml; Chlorothalonil [CAS:1897-45-6] 25µg/ml; Dicofol [CAS:115-32-2] 75µg/ml; Iprodione [CAS:36734-19-7] 200µg/ml; Nitrofen [CAS:1836-75-5] 20µg/ml; oxy-Chlordane [CAS:27304-13-8] 20µg/ml; Phosalone [CAS:2310-17-0] 20µg/ml; Procymidone [CAS:32809-16-8] 150µg/ml; Tetradifon [CAS:116-29-0] 20µg/ml; Bromophos-ethyl [CAS:4824-78-6] 100µg/ml; Bromophos-methyl [CAS:2104-96-3] 100µg/ml; Chlorfenvinphos [CAS:470-90-6] 100µg/ml; Chlorpyrifos (Chlorpyrifos-ethyl) [CAS:2921-88-2] 100µg/ml; Chlorpyrifos methyl [CAS:5598-13-0] 100µg/ml; Diazinon [CAS:333-41-5] 100µg/ml; Dichlorvos [CAS:62-73-7] 100µg/ml; Dimethoate [CAS:60-51-5] 100µg/ml; Disulfoton [CAS:298-04-4] 50µg/ml; Fenchlorphos [CAS:299-84-3] 100µg/ml; Fenthion [CAS:55-38-9] 100µg/ml; Malathion [CAS:121-75-5] 100µg/ml; Parathion (Parathion-ethyl) [CAS:56-38-2] 100µg/ml; Parathion-methyl [CAS:298-00-0] 100µg/ml; Pirimiphos-methyl [CAS:29232-93-7] 100µg/ml; Terbufos [CAS:13071-79-9] 100µg/ml; Acephate [CAS:30560-19-1] 100µg/ml; Azinphos-ethyl [CAS:2642-71-9] 400µg/ml; Azinphos-methyl [CAS:86-50-0] 400µg/ml; Demeton-S-methyl [CAS:919-86-8] 100µg/ml; Ethion [CAS:563-12-2] 20µg/ml; Fenamiphos [CAS:22224-92-6] 50µg/ml; Fenitrothion [CAS:122-14-5] 50µg/ml; Fonofos [CAS:944-22-9] 40µg/ml; Metalaxyl [CAS:57837-19-1] 600µg/ml; Methamidophos [CAS:10265-92-6] 100µg/ml; Methidathion [CAS:950-37-8] 100µg/ml; Mevinphos [CAS:7786-34-7] 100µg/ml; Monocrotophos [CAS:6923-22-4] 100µg/ml; Oxa dixyl [CAS:77732-09-3] 400µg/ml; Phorate [CAS:298-02-2] 50µg/ml; Phosphamidon [CAS:13171-21-6] 100µg/ml; Pirimiphos-ethyl [CAS:23505-41-1] 50µg/ml; Triazophos [CAS:24017-47-8] 100µg/ml; Tefluthrin [CAS:79538-32-2] 10µg/ml</p>	1 ml	506905	546
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Organic standard: Pesticide mixture	29 component 20µg/ml each in toluene/acetone: Aldrin [CAS:309-00-2]; Alpha-HCH [CAS:319-84-6]; Beta-HCH [CAS:319-85-7]; Delta-HCH [CAS:319-86-8]; cis-Chlordane (alpha-Chlordane) [CAS:5103-71-9]; Dieldrin [CAS:60-57-1]; Endosulfan-alpha [CAS:959-98-8]; Endosulfan-beta [CAS:33213-65-9]; Endosulfan-total (sulfate) [CAS:1031-07-8]; Endrin [CAS:72-20-8]; Endrin aldehyde [CAS:7421-93-4]; Endrin ketone [CAS:53494-70-5]; Gamma-HCH (Lindane) [CAS:58-89-9]; trans-Chlordane (Gamma-Chlordane) [CAS:5103-74-2]; Heptachlor [CAS:76-44-8]; Heptachlor-exo-epoxide (cis-Heptachlorepoxide (cis-, exo-,) [CAS:1024-57-3]; Methoxychlor (DMTD) [CAS:72-43-5]; 4,4'-DDD (TDE) [CAS:72-54-8]; 4,4'-DDE [CAS:72-55-9]; 4,4'-DDT [CAS:50-29-3]; Dicofof [CAS:115-32-2]; Nitrofen [CAS:1836-75-5]; Isodrin [CAS:465-73-6]; Alachlor [CAS:15972-60-8]; Hexachlorobenzene (HCB) [CAS:118-74-1]; 2,4'-DDE [CAS:3424-82-6]; 2,4'-DDD [CAS:53-19-0]; 2,4'-DDT [CAS:789-02-6]; oxy-Chlordane [CAS:27304-13-8]; trans-Nonachlor [CAS:39765-80-5]	1 ml	506948	546
Organic standard: Pesticide mixture	17 components 20µg/ml each in toluene/acetone: Cyfluthrin [CAS:68359-37-5]; Cypermethrin [CAS:52315-07-8]; Fenvalerate [CAS:51630-58-1]; Permethrin [CAS:52645-53-1]; Phenothrin [CAS:26002-80-2]; Tetramethrin [CAS:7696-12-0]; lambda-Cyhalothrin [CAS:91465-08-6]; Piperonyl butoxide [CAS:51-03-6]; Bifenthrin [CAS:82657-04-3]; Chlorothalonil [CAS:1897-45-6]; Quintozene [CAS:82-68-8]; Tecnazene [CAS:117-18-0]; Chlorobenzilate [CAS:510-15-6]; Vinclozolin [CAS:50471-44-8]; Chlordecone hydrate [CAS:143-50-0]; Captan [CAS:133-06-2]	1 ml	506950	546
Organic standard: Pesticide mixture	12 components 10µg/ml each in acetonitrile: Azoxystrobin [CAS:131860-33-8]; Boscalid [CAS:188425-85-6]; Carbendazim [CAS:10605-21-7]; Chlorpyrifos [CAS:2921-88-2]; Cyprodinil [CAS:121552-61-2]; Linuron [CAS:330-55-2]; Metalaxyl [CAS:57837-19-1]; Methomyl [CAS:16752-77-5]; Myclobutanil [CAS:88671-89-0]; Pyrimethanil [CAS:53112-28-0]; Pirimicarb [CAS:23103-98-2]; Thiabendazole [CAS:148-79-8]	10 ml	506803	546

Standard Solutions for PCBs analysis

Description	Notes	Size	Code	Page
Organic standard PCB	PCB 29 [15862-07-4] 10µg/ml in isooctane	1 ml	507127	540
Organic standard PCB	PCB 30 [35693-92-6] 10µg/ml in isooctane	1 ml	507128	540
Organic standard PCB	PCB 73 [74338-23-1] 10µg/ml in isooctane	1 ml	507129	540
Organic standard PCB	PCB 89 [73575-57-2] 10µg/ml in isooctane	1 ml	507131	540
Organic standard PCB	PCB 90 [68194-07-0] 10µg/ml in isooctane	1 ml	507132	540
Organic standard PCB	PCB 106 [70424-69-0] 10µg/ml in isooctane	1 ml	507133	540
Organic standard PCB	PCB 164 [74472-45-0] 10µg/ml in isooctane	1 ml	507134	540
Organic standard PCB	PCB 143 [68194-15-0] 10µg/ml in isooctane	1 ml	507135	540
Organic standard PCB	PCB 155[33979-03-2] 10µg/ml in isooctane	1 ml	507136	540
Organic standard PCB	PCB 198 [68194-17-2] 10µg/ml in isooctane	1 ml	507137	540
Organic standard PCB	PCB 207 [52663-79-3] 10µg/ml in isooctane	1 ml	507138	540
Organic standard PCB	PCB 209 [2051-24-3] 10µg/ml in isooctane	1 ml	507139	540
Organic standard PCB	PCB 209 [2051-24-3] 100µg/ml in isooctane	1 ml	507154	540
Organic Standard: PCB multielement mixture	7 components 10 µg/ml each in isooctane: PCB 28 [CAS:7012-37-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 118 [CAS:31508-00-6]; PCB 138 [CAS:35065-28-2]; PCB 153 [CAS:35065-27-1]; PCB 180 [CAS:35065-29-3]	5 x 1 ml	507103	543

Organic Standard: PCB multielement mixture	2 components 100 µg/ml each in isooctane: PCB 30 [CAS:35693-92-6]; PCB 155 [CAS:33979-03-2]	1 ml	507609	543
Organic Standard: PCB multielement mixture	8 components 100 µg/ml each in hexane: PCB 28 [CAS:7012-37-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 118 [CAS:31508-00-6]; PCB 138 [CAS:35065-28-2]; PCB 153 [CAS:35065-27-1]; PCB 180 [CAS:35065-29-3]; PCB 194 [CAS:35694-08-7]	1 ml	507679	543
Organic Standard: PCB multielement mixture	14 components 10 mg/l each in hexane: PCB 28 [CAS:7012-37-5]; PCB 31 [CAS:16606-02-3]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 105 [CAS:32598-14-4]; PCB 118 [CAS:31508-00-6]; PCB 132 [CAS:38380-05-1]; PCB 138 [CAS:35065-28-2]; PCB 149 [CAS:38380-04-0]; PCB 153 [CAS:35065-27-1]; PCB 160 [CAS:41411-62-5]; PCB 163 [CAS:74472-44-9]; PCB 180 [CAS:35065-29-3]; PCB 193 [CAS:69782-91-8]	1.2 ml	507062	543
Organic Standard: PCB multielement mixture	19 components in ethyle acetate: PCB 18 [CAS:37680-65-2] 0.34mg/l; PCB 28 [CAS:7012-37-5] 0.6mg/l; PCB 52 [CAS:35693-99-3] 0.9mg/l; PCB 77 [CAS:32598-13-3] 2.2mg/l; PCB 81 [CAS:70362-50-4] 3.3mg/l; PCB 101 [CAS:37680-73-2] 2.28mg/l; PCB 105 [CAS:32598-14-4] 2.6mg/l; PCB 114 [CAS:74472-37-0] 9.6mg/l; PCB 118 [CAS:31508-00-6] 2.6mg/l; PCB 123 [CAS:65510-44-3] 2.7mg/l; PCB 126 [CAS:57465-28-8] 3mg/l; PCB 138 [CAS:35065-28-2] 6mg/l; PCB 153 [CAS:35065-27-1] 5mg/l; PCB 156 [CAS:38380-08-4] 5mg/l; PCB 157 [CAS:69782-90-7] 7mg/l; PCB 167 [CAS:52663-72-6] 8mg/l; PCB 169 [CAS:32774-16-6] 10mg/l; PCB 180 [CAS:35065-29-3] 10mg/l; PCB 189 [CAS:39635-31-9] 7mg/l	5 ml	506732	543
Organic Standard: PCB multielement mixture	14 components 1 mg/l each in hexane: PCB 28 [CAS:7012-37-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 153 [CAS:35065-27-1]; PCB 138 [CAS:35065-28-2]; PCB 180 [CAS:35065-29-3] PCB 194 [CAS:35694-08-7]; 1,2,4-Trichlorobenzene [CAS:120-82-1]; Hexachloro-1, 3-butadiene [CAS:87-68-3]; Hexachlorobenzene [CAS:118-74-1]; Alpha-HCH [CAS:319-84-6]; Beta-HCH [CAS:319-85-7]; Gamma-HCH (Lindane) [CAS:58-89-9]; Delta-HCH [CAS:319-86-8]	5 ml	507889	543
Organic Standard: PCB multielement mixture	14 components 10 µg/ml each in isooctane according to EN 61619: PCB 18 [CAS:37680-65-2]; PCB 28 [CAS:7012-37-5]; PCB 31 [CAS:16606-02-3]; PCB 44 [CAS:41464-39-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 118 [CAS:31508-00-6]; PCB 138 [CAS:35065-28-2]; PCB 149 [CAS:38380-04-0]; PCB 153 [CAS:35065-27-1]; PCB 170 [CAS:35065-30-6]; PCB 180 [CAS:35065-29-3]; PCB 194 [CAS:35694-08-7]; PCB 209 [CAS:2051-24-3]	10 ml	507115	543
Organic Standard: PCB multielement mixture	PCB 138 [35065-28-2] 50µg/ml in isooctane	10 ml	509144	543
Organic Standard: PCB multielement mixture	PCB 153 [35065-27-1] 50µg/ml in isooctane	10 ml	509145	543
Organic Standard: PCB multielement mixture	PCB 18 [37680-65-2] 50µg/ml in isooctane	10 ml	509146	543
Organic Standard: PCB multielement mixture	PCB 28 [7012-37-5] 50µg/ml in isooctane	10 ml	509147	543
Organic Standard: PCB multielement mixture	PCB 52 [35693-99-3] 50µg/ml in isooctane	10 ml	509148	543

Standard Solutions for PAHs analysis

Description	Notes	Size	Code	Page
Organic Standard: PAH multielement mixture	15 components 50µg/ml each in acetonitrile: Acenaphthene [CAS:83-32-9]; Anthracene [CAS:120-12-7]; Benzo(a)anthracene [CAS:56-55-3]; Benzo(a)pyrene [CAS:50-32-8]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(g,h,i)perylene [CAS:191-24-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Chrysene [CAS:218-01-9]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Fluoranthene [CAS:206-44-0]; Fluorene [CAS:86-73-7]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Naphthalene [CAS:91-20-3]; Phenanthrene [CAS:85-01-8]; Pyrene [CAS:129-00-0]	5 x 1 ml	507063	542
Organic Standard: PAH multielement mixture	13 components in acetonitrile/ acetone 95/5: Phenanthrene [CAS:85-01-8] 600µg/ml; Anthracene [CAS:120-12-7] 40µg/ml; Fluoranthene [CAS:206-44-0] 160µg/ml; Pyrene [CAS:129-00-0] 160µg/ml; Benzo(a)anthracene [CAS:56-55-3] 20µg/ml; Chrysene [CAS:218-01-9] 80µg/ml; (95/5) Benzo(b)fluoranthene [CAS:205-99-2] 20µg/ml; Benzo(k)fluoranthene [CAS:207-08-9] 10µg/ml; Benzo(j)fluoranthene [CAS:205-82-3] 20µg/ml; Benzo(a)pyrene [CAS:50-32-8] 20µg/ml; Dibenzo(a,h)anthracene [CAS:53-70-3] 10µg/ml; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 12µg/ml; Benzo(g,h,i)perylene [CAS:191-24-2] 20µg/ml	10 x 1 ml	506835	542
Organic Standard: PAH multielement mixture	19 components 100 µg/ml each in acetonitrile: Naphthalene [CAS:91-20-3]; Acenaphthylene [CAS:208-96-8]; 1-Methylnaphthalene [CAS:90-12-0]; 2-Methylnaphthalene [CAS:91-57-6]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; 2-Methyl-Fluoranthene [CAS:33543-31-6]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Dibenzo(a,h)anthracene [CAS:53-70-3]	1 ml	506878	542
Organic Standard: PAH multielement mixture	23 components 1 µg/ml each in methanol: Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Naphthalene [CAS:91-20-3]; Benzo(a)pyrene [CAS:50-32-8]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(g,h,i)perylene [CAS:191-24-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Biphenyl [CAS:92-52-4]; Acenaphthene [CAS:83-32-9]; Acenaphthylene [CAS:208-96-8]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Fluorene [CAS:86-73-7]; 2-Methylnaphthalene [CAS:91-57-6]; 2-Methyl-Fluoranthene [CAS:33543-31-6]; Phenanthrene [CAS:85-01-8]; Pyrene [CAS:129-00-0]; 1-Benzothiophene [CAS:95-15-8]; Dibenzothiophene [CAS:132-65-0]; Benzo(e)pyrene [CAS:192-97-2]; Perylene [CAS:198-55-0]	1 ml	506938	542

Organic Standard: PAH multielement mixture	6 components in acetonitrile: Fluoranthene [CAS:206-44-0] 2mg/l; Benzo(b)fluoranthene [CAS:205-99-2] 2mg/l; Benzo(k)fluoranthene [CAS:207-08-9] 2mg/l; Benzo(a)pyrene [CAS:50-32-8] 2mg/l; Benzo(g,h,i)perylene [CAS:191-24-2] 10mg/l; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 10mg/l	1 ml	506979	542
Organic Standard: PAH multielement mixture	15 components in acetonitrile: Acenaphthene [CAS:83-32-9] 5mg/l; Fluorene [CAS:86-73-7] 5mg/l; Fluoranthene [CAS:206-44-0] 5mg/l; Benzo(a)anthracene [CAS:56-55-3] 5mg/l; Chrysene [CAS:218-01-9] 5mg/l; Benzo(b)fluoranthene [CAS:205-99-2] 5mg/l; Benzo(a)pyrene [CAS:50-32-8] 5mg/l; Dibenzo(a,h)anthracene [CAS:53-70-3] 5mg/l; Benzo(g,h,i)perylene [CAS:191-24-2] 10mg/l; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 10mg/l; 2-Methylnaphthalene [CAS:91-57-6] 10mg/l; 2-Methyl-Fluoranthene [CAS:33543-31-6] 10mg/l; Anthracene [CAS:120-12-7] 2mg/l; Benzo(k)fluoranthene [CAS:207-08-9] 2mg/l; Pyrene [CAS:129-00-0] 20mg/l	1 ml	506980	542
Organic Standard: PAH multielement mixture	19 components in Methanol: 2-Methylnaphthalene [CAS:91-57-6] 40mg/l; Anthracene [CAS:120-12-7] 20mg/l; Fluoranthene [CAS:206-44-0] 20mg/l; 2-Methyl-Fluoranthene [CAS:33543316] 20mg/l; Benzo(a)anthracene [CAS:56-55-3] 20mg/l; Benzo(b)fluoranthene [CAS:205-99-2] 20mg/l; Benzo(k)fluoranthene [CAS:207-08-9] 20mg/l; Benzo(a)pyrene [CAS:50-32-8] 20mg/l; Dibenzo(a,h)anthracene [CAS:53-70-3] 20mg/l; Benzo(g,h,i)perylene [CAS:191-24-2] 20mg/l; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 20mg/l; Benzo(b)chrysene [CAS:214-17-5] 2mg/l; Naphthalene [CAS:91-20-3] 40mg/l; Acenaphthene [CAS:83-32-9] 40mg/l; Fluorene [CAS:86-73-7] 20mg/l; Phenanthrene [CAS:85-01-8] 20mg/l; Pyrene [CAS:129-00-0] 20mg/l; Chrysene [CAS:218-01-9] 20mg/l; Acenaphthylene [CAS:208-96-8] 400mg/l	1 ml	507094	542
Organic Standard: PAH multielement mixture	15 components 1 µg/ml each in dichloromethane: Naphthalene [CAS:91-20-3]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9] Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]	1.5 ml	507859	542
Organic Standard: PAH multielement mixture	15 components 1 µg/ml each in dichloromethane: Naphthalene [CAS:91-20-3]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9] Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]	1.5 ml	507899	542

Organic Standard: PAH multielement mixture	19 components 10mg/l each in methanol: Naphthalene [CAS:91-20-3]; Acenaphthylene [CAS:208-96-8]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Benzo(e)pyrene [CAS:192-97-2]; 2-Methylnaphthalene [CAS:91-57-6]; 2-Methyl-Fluoranthene [CAS:33543-31-6]	10 ml	506821	542
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Standard Solutions for Hydrocarbons analysis

Description	Notes	Size	Code	Page
Organic standard: Mixture for hydrocarbon analysis	5 components 5000µg/ml each in methanol: Benzene; Toluene; o-Xylene; m-Xylene; p-Xylene	1 ml	506736	546
Organic standard: Mixture for hydrocarbon analysis	14 components in methanol: 1,1-Dichloroethene 1000µg/ml; Dichloromethane 5000µg/ml; trans-1,2-Dichloroethene 5000µg/ml; 1,1-Dichloroethane 5000µg/ml; cis-1,2-Dichloroethene 5000µg/ml; 1,2-Dichloroethane 5000µg/ml; Chloroform 500µg/ml; 1,1,1-Trichloroethane 500µg/ml; Trichloroethene 500µg/ml; Bromodichloromethane 500µg/ml; Dibromochloromethane 500µg/ml; Tribromomethane 500µg/ml; Tetrachloromethane 100µg/ml; Tetrachloroethene 100µg/ml; Hydrocarbons Mixture Benzene; 1-Bromo-2-chloroethane; Chlorobenzene; 1,1-Dichloroethane; 1,2-dichloroethane	1 ml	506742	546
Organic standard: Mixture for hydrocarbon analysis	6 components 1000 µg/ml each in methanol: Benzene; Toluene; o-Xylene; m-Xylene; p-Xylene; Ethylbenzene	1 ml	507189	546
Organic standard: Mixture for hydrocarbon analysis	6 components 1000 µg/ml each in methanol: Trichloroethene; Tetrachloroethene; 1,2-Dichloroethane; Tetrachloromethane; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane	1 ml	507190	546
Organic standard: Mixture for hydrocarbon analysis	4 components 1000 µg/ml each in methanol: Tribromomethane; Chloroform; Bromodichloromethane; Dibromochloromethane	1 ml	507191	546
Organic standard: Mixture for hydrocarbon analysis	6 components 1000 µg/ml each in carbon disulfide: Benzene; Ethylbenzene; Toluene; m-Xylene; o-Xylene; p-Xylene	2 ml	507474	546
Organic standard: Mixture for hydrocarbon analysis	22 components 2500mg/Kg each 1-Bromo-2-chloroethane; Chlorobenzene; 1,1-Dichloroethane; 1,1-Dichloroethene; cis-1,2-Dichloroethene; trans-1,2-Dichloroethene; Dichloromethane; Pentachloroethane; 1,1,2,2-Tetrachloroethane; Tetrachloroethene; Tetrachloromethane; 1,1,2-Trichloroethane; Trichloroethene; Chloroprene; Chloromethane; Vinylchloride; 1,3-Butadiene; Chloroethane; 1,2-Dichlorobutane; Ethylene; Chloroform; Matrix: Benzene	100 ml	506614	546

Standard Solutions for Method ISO 9377-2

For the determination of mineral oils according to UNI ISO 9377-2 "Determination of hydrocarbon oil index - Method using solvent extraction and gas chromatography", the current regulations impose specific mixtures of standard solutions. CARLO ERBA Reagents offers a complete range of such products, each supplied with an analysis certificate containing complete information on the composition and gravimetric verification performed in reference to NIST standards.

Description	Notes	Size	Code	Page
Organic standard: Mixture for hydrocarbon analysis	Standard quality control of two mineral oils in acetone	1 ml	506002	547
Organic standard: Mixture for hydrocarbon analysis	Mixture of mineral oil without additive 2 to 5 mg / ml each in hexane	1 ml	506010	547
Organic standard: Mixture for hydrocarbon analysis	Standard mixture of n-alkanes (C10 to C40 in pairs) of 50 mcg / ml each in hexane	1 ml	506020	547
Organic standard: Mixture for hydrocarbon analysis	2 component: 5g/l each of Mineral Oil [CAS:8042-47-5]; Diesel Oil in n-Hexane	5 ml	506012	547
Organic standard: Mixture for hydrocarbon analysis	N-tetracontane mixture (20 mg / l) and n-decane (20 mg / l) in hexane	5 ml	506040	547
Organic standard: Mixture for hydrocarbon analysis	Mixture of mineral oil without additive 2 to 1 mg / ml each in hexane	10 ml	506011	547
Organic standard: Mixture for hydrocarbon analysis	2 components: 5g/l each of Mineral Oil [CAS:8042-47-5]; Diesel Oil in n-Hexane	10 ml	506013	547
Organic standard: Mixture for hydrocarbon analysis	Standard mixture of n-alkanes (C10 to C40 in pairs) of 50 µg / ml each in hexane	10 ml	506021	547
Organic standard: Mixture for hydrocarbon analysis	Mother solution stearyl stearate 2 g / l in hexane	10 ml	506030	547



COD ANALYSIS

The COD (chemical oxygen demand) is the quantity of oxygen needed for the complete chemical oxidation of organic and inorganic compounds present in a water samples, especially for the control of pollutions levels. CARLO ERBA Reagents offers the strong oxidants and acids used for COD determination.

Reagents for COD Analysis

Description	Notes	Size	Code	Page
Ferroun 0.025 mol/l solution		100 ml	526751	354
Iron (II) ammonium sulfate 0.12N		1 l	526761	429
o-Phenantroline-Iron (II) sulphate solution in sulphuric acid		100 ml	E450043	569
Potassium dichromate 0.0417 mol/l (0.25N)		1 l	470451	593
Potassium dichromate 0.04 mol/l (0.24N) in 80 g/l HgSO ₄		1 l	526711	593
Potassium dichromate 0.04 mol/l (0.24N) in 80 g/l HgSO ₄		2.5 l	526712	593
Silver sulfate solution 0.7% in sulfuric acid		1 l	424191	659
Silver sulfate solution 0.7% in sulfuric acid		2.5 l	424192	659
Sulfuric acid with 10 g/l Silver sulfate		1 l	526605	742
Sulfuric acid with 10 g/l Silver sulfate		2.5 l	526606	742
Sulfuric acid with 6.6 g/l Silver sulfate		2.5 l	526602	743

PHARMACEUTICAL PRODUCTION

CARLO ERBA Reagents has always carefully monitored developments in the quality of raw materials and reagents used in the pharmaceutical industry. The experience gained in over 160 years as a supplier of raw materials and excipients and the countless approvals issued by the most important pharmaceutical multinationals have allowed CARLO ERBA Reagents to become a benchmark in the pharmaceutical industry worldwide, distinguishing itself for its premium quality and reliability.

Xcipharm™: excipient use

Xcipharm™ is the new product range dedicated to excipients. We manufacture these products according to IPEC guidelines assuring a high level of quality for your excipients. We can adapt our offer to your needs with SKU sizes starting at 100 ml up to bulk quantity. We provide all of the necessary tests, certification and statements to make the registration of your products to the health authority easier.

QUALITY ASSURANCE

- Registration to the French Minister of Health (ANSM)
- Traceability of raw material and packaging
- Flow chart
- Change control

PROCESS

- Validated cleaning procedures and or dedicated equipment
- Labels consolidation
- Certificate of analysis with the name of the producer and the date of production of the raw material
- Stability studies
- Sample library of the raw material (1 year) and of the finish product (shelf life + 1 year)

DOCUMENTATION

- BSE/TSE statement
- GMO statement
- Residual solvents statement ICH Q3C
- Elemental Impurities ICH Q3D
- Risk assessment (2015/C95/02)

ERBApharm®: raw material use

CARLO ERBA Reagents has developed the ERBApharm® product line on the specific requests of the pharmaceutical market. Their specifications comply with the effective requirements of Pharmacopoeia or - in the absence of those requirements - with strict sales specifications. These products are designed to be used as raw materials and reagents for the production of active principles. The ERBApharm® line includes every kind of product: solvents, acids and basis, titrated solutions, organic and inorganic powders. The documents available for these products comply with the need of information related to their use (residual solvents, BSE/TSE declaration and GMO).

Description	Notes	Size	Code	Page
Acetic acid glacial		1 l	302016	133
Acetic acid glacial		2.5 l	302011	133
Acetic acid glacial		5 l	302014	133
Acetic acid glacial		30 kg	302015	133
Acetic acid glacial		200 kg	302013	133
Acetone		1 l	301505	140
Acetone		2.5 l	301506	140
Acetone		5 l	301502	140
Acetone		5 l	301503	140
Acetone		16 kg	301501	140
Acetone		22 kg	301504	140
Acetone		160 kg	301507	140
Aluminum chloride hexahydrate		1 kg	311257	153
Aluminum chloride hexahydrate		5 kg	311252	153
Aluminum chloride hexahydrate		25 kg	311256	153
Aluminum chloride hexahydrate		50 kg	311254	153
Aluminum potassium sulfate dodecahydrate		1 kg	312401	156
Aluminum potassium sulfate dodecahydrate		5 kg	312404	156
Aluminum potassium sulfate dodecahydrate		10 kg	312402	156

p-Aminobenzoic acid	100 g	391804	158
p-Aminobenzoic acid	1 kg	391805	158
Ammonia solution 28%	1 l	314861	161
Ammonia solution 28%	2 l	314863	161
Ammonia solution 28%	25 kg	314866	161
Ammonium chloride	1 kg	313957	169
Ammonium chloride	2.5 kg	313952	169
Ammonium chloride	5 kg	313956	169
Ammonium chloride	25 kg	313951	169
Ammonium chloride	50 kg	313954	169
Benzalkonium chloride	1 kg	322737	197
Benzalkonium chloride	5 kg	322738	197
Benzoic acid	1 kg	302087	199
Benzoic acid	5 kg	302089	199
Benzoic acid	25 kg	302082	199
Benzyl alcohol	1 l	308131	200
Benzyl alcohol	2.5 l	308132	200
Benzyl alcohol	23 kg	308138	200
Benzyl alcohol	200 l	308137	200
Benzyl benzoate	1 l	323101	201
Benzyl benzoate	2.5 l	323102	201
Boric acid	25 kg	302185	205
Boric acid	1 kg	302177	206
Boric acid	5 kg	302179	206
Boric acid	25 kg	302178	206
Caffeine anhydrous	500 g	326356	234
Caffeine anhydrous	1 kg	326357	234
Caffeine anhydrous	25 kg	326358	234
Calcium acetate anhydrous	1 kg	326511	236
Calcium acetate anhydrous	5 kg	326512	236
Calcium acetate anhydrous	25 kg	326513	236
Calcium carbonate	1 kg	327101	237
Calcium carbonate	25 kg	327105	237
Calcium chloride dihydrate	1 kg	327607	239
Calcium chloride dihydrate	5 kg	327609	239
Calcium chloride dihydrate	25 kg	327603	239
Calcium chloride hexahydrate	1 kg	327507	239
Calcium chloride hexahydrate	5 kg	327509	239
Calcium gluconate	1 kg	330608	240
Calcium gluconate	5 kg	330609	240
Calcium gluconate	25 kg	330601	240
Calcium hydroxide	1 kg	331007	241
Calcium hydroxide	5 kg	331008	241
Calcium hydroxide	25 kg	331003	241
Calcium lactate	1 kg	331407	241
Calcium lactate	5 kg	331408	241
Calcium pantothenate	100 g	331602	242
Calcium phosphate dibasic dihydrate	1 kg	330307	243
Calcium phosphate dibasic dihydrate	25 kg	330303	243
Calcium phosphate tribasic	1 kg	330407	244

Calcium phosphate tribasic	5 kg	330409	244
Calcium phosphate tribasic	25 kg	330403	244
Calcium stearate	2.5 kg	332262	244
Calcium stearate	10 kg	332261	244
Calcium stearate	25 kg	332265	244
Calcium sulfate dihydrate	5 kg	331752	244
Calcium sulfate dihydrate	25 kg	331751	244
Camphor natural	500 g	332356	246
Camphor synthetic	500 g	332406	246
Camphor synthetic	5 kg	332401	246
Camphor synthetic	25 kg	332402	246
Castor oil	1 l	356351	249
Castor oil	5 l	356352	249
Castor oil	28 kg	356353	249
Cetyl alcohol	1 kg	308357	255
Cetyl alcohol	5 kg	308358	255
Cetyl alcohol	25 kg	308359	255
Chlorobutanol hemihydrate	1 kg	301357	259
Chlorobutanol hemihydrate	5 kg	301356	259
Chloroform	1 l	334351	262
Chloroform	2.5 l	334353	262
Chloroform	25 kg	334356	262
Chloroform	200 l	529301	262
Chloroform	250 kg	334354	262
Citric acid anhydrous	500 g	302486	269
Citric acid anhydrous	1 kg	302487	269
Citric acid anhydrous	5 kg	302485	269
Citric acid anhydrous	25 kg	302488	269
Citric acid anhydrous	50 kg	302484	269
Citric acid monohydrate	1 kg	302557	269
Citric acid monohydrate	5 kg	302559	269
Citric acid monohydrate	25 kg	302551	269
Citric acid monohydrate	50 kg	302554	269
Citric acid monohydrate	1 kg	302507	270
Citric acid monohydrate	5 kg	302509	270
Citric acid monohydrate	25 kg	302501	270
Citric acid monohydrate	50 kg	302504	270
Copper (II) sulfate pentahydrate	1 kg	364757	281
Copper (II) sulfate pentahydrate	5 kg	364759	281
Copper (II) sulfate pentahydrate	25 kg	364752	281
Di-n-butylphthalate	26 kg	325701	297
Dichloromethane, stab. with Ethanol	1 l	354501	303
Dichloromethane, stab. with Amylene	1 l	337331	304
Dichloromethane, stab. with Amylene	2.5 l	337333	304
Dichloromethane, stab. with Amylene	25 l	337335	304
Dichloromethane, stab. with Amylene	200 l	337337	304
Dichloromethane, stab. with Ethanol	2.5 l	525320	304
Dichloromethane, stab. with Ethanol	200 l	525321	304
Diethanolamine	215 kg	337801	306
Diethyl ether	1 l	340751	309

Diethyl ether		40 x 100 g	340731	309
Diethyl ether		20 kg	340752	309
Diethyl ether		140 kg	340759	309
Diethyl phthalate		1 l	338112	310
Diethyl phthalate		2.5 l	338115	310
Diethyl phthalate		30 kg	338113	310
Diethyl phthalate		200 l	338114	310
Ethanol absolute anhydrous		1 l	529121	333
Ethanol absolute anhydrous	Only for Italian market	2.5 l	308661	333
Ethanol absolute anhydrous	Only for Italian market	2.5 l	308662	333
Ethanol absolute anhydrous		2.5 l	3086612	333
Ethanol absolute anhydrous		2.5 l	3086622	333
Ethanol absolute anhydrous		5 l	529122	333
Ethanol absolute anhydrous	Untaxed, for Italian license holders only	5 l	5291222	333
Ethanol absolute anhydrous		10 l	529124	333
Ethanol absolute anhydrous		25 l	308664	333
Ethanol absolute anhydrous		25 l	308667	333
Ethanol absolute anhydrous	Untaxed, for Italian license holders only	25 l	3086642	333
Ethanol absolute anhydrous		200 l	308663	333
Ethanol absolute anhydrous		200 l	529125	333
Ethanol 96°		5 l	524135	335
Ethanol 96°		25 l	524132	335
Ethanol 96°	Only for Italian market	1 l	308644	336
Ethanol 96°	Only for Italian market	1 l	308647	336
Ethanol 96°		1 l	3086442	336
Ethanol 96°		1 l	3086472	336
Ethanol 96°	Only for Italian market	2.5 l	308641	336
Ethanol 96°	Only for Italian market	2.5 l	308649	336
Ethanol 96°		2.5 l	3086412	336
Ethanol 96°		2.5 l	3086492	336
Ethanol 96°		5 l	529141	336
Ethanol 96°	Untaxed, for Italian license holders only	5 l	5291412	336
Ethanol 96°		10 l	308646	336
Ethanol 96°	Untaxed, for Italian license holders only	10 l	3086462	336
Ethanol 96°		25 l	308645	336
Ethanol 96°	Untaxed, for Italian license holders only	25 l	3086452	336
Ethanol 96°		27 l	308648	336
Ethanol 96°	Untaxed, for Italian license holders only	27 l	3086482	336
Ethanol 96°		200 l	308643	336
Ethanol 70% v/v	Sold by box: 20 bottles + 4 sprayers	20 x 500 ml	529187000	336
Ethanol 70% v/v		5 l	529189	336
Ethanol 70% v/v		200 l	529183	336
Ethanol 70% v/v	Sold by box 6 bottles + 3 sprayers	1 l	529184	337
Ethanol 70% v/v		1 l	529184000	337
Ethyl acetate		1 l	341506	342
Ethyl acetate		2.5 l	341503	342
Ethyl acetate		24 kg	341502	342
Ethyl acetate		25 l	529221	342
Ethyl acetate		200 l	529222	342
Ethylenediaminetetraacetic acid		5 kg	303251	344

Ethylenediaminetetraacetic acid	25 kg	303252	344
Ethylenediaminetetraacetic acid disodium salt	1 kg	303201	345
Ethylenediaminetetraacetic acid disodium salt	5 kg	303203	345
Ethylenediaminetetraacetic acid disodium salt	25 kg	303202	345
Ethylenediaminetetraacetic acid disodium salt	1 kg	303227	346
Ethylenediaminetetraacetic acid disodium salt	5 kg	303226	346
Ethylenediaminetetraacetic acid disodium salt	25 kg	303225	346
Formaldehyde 35% w/w	1 l	310351	359
Formaldehyde 35% w/w	2.5 l	310356	359
Formaldehyde 35% w/w	5 l	310358	359
Formaldehyde 35% w/w	10 kg	310349	359
Formaldehyde 35% w/w	30 kg	310348	359
Formaldehyde 35% w/w	55 kg	310355	359
Formic acid 99%	1 l	303911	363
Formic acid 99%	2.5 l	303912	363
Formic acid 99%	30 kg	303913	363
D(+)-Glucose anhydrous	1 kg	346987	370
D(+)-Glucose anhydrous	5 kg	346989	370
D(+)-Glucose anhydrous	25 kg	346983	370
D(+)-Glucose monohydrate	1 kg	346971	371
D(+)-Glucose monohydrate	5 kg	346972	371
D(+)-Glucose monohydrate	25 kg	346973	371
Glycerol (30°Bé)	1 l	346161	373
Glycerol (30°Bé)	2.5 l	346165	373
Glycerol (30°Bé)	5 l	346162	373
Glycerol (30°Bé)	35 kg	346164	373
Glycerol (30°Bé)	250 kg	346167	373
Glycine	1 kg	346207	374
Glycine	5 kg	346205	374
Glycine	25 kg	346208	374
Gum arabic	1 kg	347107	377
Hydrochloric acid 37%	1 l	302621	395
Hydrochloric acid 37%	2.5 l	302626	395
Hydrochloric acid 37%	5 l	302643	395
Hydrochloric acid 37%	10 l	302624	395
Hydrochloric acid 37%	25 kg	302623	395
Hydrochloric acid 37%	40 kg	302622	395
Hydrochloric acid 37%	55 kg	302627	395
Hydrochloric acid 37%	220 kg	302625	395
Hydrochloric acid 10%	10 kg	302591	400
Hydrogen peroxide solution 35%	2.5 l	307742	413
Hydrogen peroxide solution 30%	25 kg	307685	415
Hydrogen peroxide solution 3%	1 l	307671	416
Hydrogen peroxide solution 3%	50 kg	307678	416
Iodine	100 g	348454	424
Iodine	250 g	348455	424
Iodine	1 kg	348457	424
Iodine	5 kg	348451	424
Iodine	20 kg	348452	424
Iron (II) sulfate heptahydrate	1 kg	344957	431

Iron (II) sulfate heptahydrate	5 kg	344959	431
L(+)-Lactic acid	1 l	304652	452
L(+)-Lactic acid	2.5 l	304651	452
L(+)-Lactic acid	25 kg	304653	452
Lactose monohydrate	1 kg	348707	453
Lactose monohydrate	5 kg	348708	453
Lactose monohydrate	10 kg	348702	453
Lactose monohydrate	25 kg	348703	453
Lanolin anhydrous	1 kg	347357	453
Lanolin anhydrous	5 kg	347359	453
Magnesium carbonate basic	1 kg	349257	470
Magnesium carbonate basic	5 kg	349279	470
Magnesium carbonate basic	25 kg	349272	470
Magnesium chloride hexahydrate	1 kg	349357	471
Magnesium chloride hexahydrate	5 kg	349359	471
Magnesium chloride hexahydrate	25 kg	349355	471
Magnesium hydroxide	1 kg	349455	472
Magnesium oxide heavy	1 kg	349655	473
Magnesium oxide heavy	5 kg	349656	473
Magnesium oxide heavy	25 kg	349653	473
Magnesium stearate	2.5 kg	350032	474
Magnesium stearate	20 kg	350033	474
Magnesium stearate	25 kg	350035	474
Magnesium sulfate heptahydrate	1 kg	349852	475
Magnesium sulfate heptahydrate	5 kg	349859	475
Magnesium sulfate heptahydrate	25 kg	349851	475
Maize starch	1 kg	313071	476
Maize starch	5 kg	313072	476
Maize starch	25 kg	313073	476
Maleic acid	500 g	407266	477
Maleic acid	5 kg	407261	477
Maleic acid	25 kg	407263	477
D-Mannitol	1 kg	352051	482
D-Mannitol	5 kg	352052	482
D-Mannitol	25 kg	352053	482
L-Menthol	50 g	352103	483
L-Menthol	500 g	352106	483
Methanol	1 l	309204	492
Methanol	2.5 l	309203	492
Methanol	25 l	309201	492
Methanol	200 l	529100	492
Methyl 4-hydroxybenzoate	1 kg	354007	499
Methyl 4-hydroxybenzoate	5 kg	354008	499
Methyl salicylate	1 l	354152	505
Methyl salicylate	25 kg	354155	505
Nicotinamide	100 g	392304	525
Nicotinamide	1 kg	392307	525
Oil refined of almonds	1 l	356251	539
Orthophosphoric acid 85%	1 l	304061	548
Orthophosphoric acid 85%	2.5 l	304062	548

Orthophosphoric acid 85%	40 kg	304063	548
Paraffin oil	1 l	356601	555
Paraffin oil	5 l	356608	555
Paraffin oil	23 kg	356603	555
Paraffin oil	185 kg	356607	555
Paraffin white soft	1 kg	388407	556
Paraffin white soft	5 kg	388409	556
Phenol	1 kg	343407	570
2-Phenylethanol	1 l	529022	573
2-Phenylethanol	2.4 l	529021	573
Potassium acetate	1 kg	358907	583
Potassium acetate	5 kg	358908	583
Potassium acetate	25 kg	358903	583
Potassium bromide	1 kg	359707	586
Potassium bromide	5 kg	359702	586
Potassium chloride	1 kg	360107	587
Potassium chloride	5 kg	360109	587
Potassium chloride	25 kg	360106	587
Potassium chloride	50 kg	360104	587
Potassium citrate tribasic monohydrate	500 g	359956	591
Potassium citrate tribasic monohydrate	1 kg	359957	591
Potassium citrate tribasic monohydrate	2.5 kg	359958	591
Potassium citrate tribasic monohydrate	5 kg	359959	591
Potassium hydroxide, flakes	25 kg	362201	599
Potassium hydroxide, flakes	25 kg	362202	599
Potassium hydroxide, pellets	1 kg	362237	600
Potassium hydroxide, pellets	5 kg	362239	600
Potassium hydroxide, pellets	25 kg	362235	600
Potassium iodide	250 g	362405	607
Potassium iodide	1 kg	362407	607
Potassium iodide	5 kg	362409	607
Potassium iodide	10 kg	362403	607
Potassium iodide	25 kg	362402	607
Potassium metabisulfite	1 kg	362627	609
Potassium metabisulfite	5 kg	362629	609
Potassium metabisulfite	10 kg	362622	609
Potassium metabisulfite	25 kg	362623	609
Potassium nitrate	1 kg	363007	610
Potassium nitrate	5 kg	363009	610
Potassium nitrate	25 kg	363002	610
Potassium permanganate	1 kg	363107	611
Potassium permanganate	5 kg	363109	611
Potassium permanganate	25 kg	363101	611
Potassium phosphate monobasic	1 kg	361507	615
Potassium phosphate monobasic	5 kg	361509	615
Potassium phosphate monobasic	25 kg	361503	615
Potassium sodium tartrate tetrahydrate	1 kg	363457	617
Potassium sodium tartrate tetrahydrate	5 kg	363459	617
Propan-2-ol	1 l	309501	626
Propan-2-ol	2.5 l	309505	626

Propan-2-ol	5 l	529165	626
Propan-2-ol	10 l	309506	626
Propan-2-ol	25 l	309504	626
Propan-2-ol	25 l	309507	626
Propan-2-ol	200 l	309500	626
Propan-2-ol	200 l	309509	626
Propan-2-ol 70%	5 l	524195	626
Propyl p-hydroxybenzoate	50 g	363953	629
Propyl p-hydroxybenzoate	500 g	363956	629
Propylene glycol	1 l	346701	630
Propylene glycol	2.5 l	346703	630
Propylene glycol	60 kg	346705	630
Propylene glycol	200 kg	346708	630
Rice starch	1 kg	313107	640
Rice starch	2.5 kg	313108	640
Rice starch	5 kg	313109	640
Rice starch	25 kg	313102	640
Salicylic acid	1 kg	306381	643
Salicylic acid	1 kg	306377	643
Silver nitrate	100 g	320904	655
Silver nitrate	1 kg	320907	655
Sodium acetate anhydrous	1 kg	366377	662
Sodium acetate anhydrous	5 kg	366372	662
Sodium acetate anhydrous	25 kg	366371	662
Sodium acetate trihydrate	1 kg	366207	663
Sodium acetate trihydrate	5 kg	366209	663
Sodium acetate trihydrate	25 kg	366205	663
Sodium alginate	100 g	366551	663
Sodium alginate	1 kg	366552	663
Sodium alginate	5 kg	366553	663
Sodium benzoate	1 kg	366757	665
Sodium benzoate	5 kg	366759	665
Sodium benzoate	25 kg	366754	665
Sodium bicarbonate	1 kg	366908	666
Sodium bicarbonate	5 kg	366909	666
Sodium bicarbonate	25 kg	366902	666
Sodium bicarbonate	50 kg	366904	666
Sodium bromide	1 kg	367357	667
Sodium bromide	5 kg	367359	667
Sodium carbonate anhydrous	1 kg	367707	668
Sodium carbonate anhydrous	5 kg	367703	668
Sodium carbonate anhydrous	25 kg	367705	668
Sodium carbonate anhydrous	50 kg	367704	668
Sodium carbonate decahydrate	1 kg	367608	668
Sodium carbonate decahydrate	5 kg	367609	668
Sodium carbonate decahydrate	25 kg	367601	668
Sodium carbonate monohydrate	1 kg	367691	669
Sodium carbonate monohydrate	5 kg	367692	669
Sodium carbonate monohydrate	25 kg	367693	669
Sodium carbonate monohydrate	50 kg	367694	669

Sodium chloride	10 kg	368281	671
Sodium chloride	1 kg	368257	671
Sodium chloride	5 kg	368259	671
Sodium chloride	25 kg	368253	671
Sodium citrate dibasic sesquihydrate	1 kg	367951	672
Sodium citrate tribasic anhydrous	1 kg	368107	672
Sodium citrate tribasic anhydrous	20 kg	368102	672
Sodium citrate tribasic dihydrate	1 kg	368057	673
Sodium citrate tribasic dihydrate	5 kg	368058	673
Sodium citrate tribasic dihydrate	10 kg	368052	673
Sodium citrate tribasic dihydrate	25 kg	368051	673
Sodium citrate tribasic dihydrate	50 kg	368054	673
Sodium glycerophosphate pentahydrate	1 kg	369447	676
Sodium glycerophosphate pentahydrate	5 kg	369449	676
Sodium hydroxide, pearls	1 kg	369743	678
Sodium hydroxide, pearls	5 kg	369741	678
Sodium hydroxide, pearls	25 kg	369742	678
Sodium hydroxide, pearls	25 kg	369744	678
Sodium hydroxide, pellets	1 kg	369777	679
Sodium hydroxide, pellets	5 kg	369772	679
Sodium hydroxide, pellets	20 kg	369771	679
Sodium hydroxide, pellets	25 kg	369774	679
Sodium iodide	250 g	370305	693
Sodium iodide	1 kg	370307	693
Sodium iodide	5 kg	370309	693
Sodium metabisulfite	1 kg	370751	694
Sodium metabisulfite	2.5 kg	370752	694
Sodium metabisulfite	25 kg	370753	694
Sodium nitrite	1 kg	371901	696
Sodium nitrite	5 kg	371902	696
Sodium nitrite	25 kg	371903	696
Sodium phosphate dibasic anhydrous	1 kg	369212	700
Sodium phosphate dibasic anhydrous	5 kg	369213	700
Sodium phosphate dibasic anhydrous	25 kg	369211	700
Sodium phosphate dibasic anhydrous	25 kg	369275	700
Sodium phosphate dibasic dihydrate	5 kg	369185	701
Sodium phosphate dibasic dodecahydrate	1 kg	369158	702
Sodium phosphate dibasic dodecahydrate	5 kg	369159	702
Sodium phosphate dibasic dodecahydrate	25 kg	369152	702
Sodium phosphate dibasic dodecahydrate	50 Kg	369154	702
Sodium phosphate monobasic dihydrate	1 kg	369138	703
Sodium phosphate monobasic dihydrate	5 kg	369139	703
Sodium phosphate monobasic dihydrate	25 kg	369132	703
Sodium phosphate monobasic monohydrate	1 kg	369143	703
Sodium phosphate monobasic monohydrate	5 kg	369141	703
Sodium phosphate monobasic monohydrate	25 kg	369142	703
Sodium salicylate	1 kg	373607	705
Sodium salicylate	5 kg	373608	705
Sodium salicylate	25 kg	373603	705
Sodium sulfate anhydrous	1 kg	375713	707

Sodium sulfate anhydrous	25 kg	375716	707
Sodium sulfite anhydrous	1 kg	376006	708
Sodium sulfite anhydrous	2.5 kg	376008	708
Sodium sulfite anhydrous	5 kg	376009	708
Sodium sulfite anhydrous	10 kg	376002	708
Sodium sulfite anhydrous	25 kg	376003	708
Sodium tetraborate decahydrate	1 kg	367207	710
Sodium tetraborate decahydrate	5 kg	367209	710
Sodium tetraborate decahydrate	25 kg	367201	710
Sodium thiosulfate pentahydrate	1 kg	377907	711
Sodium thiosulfate pentahydrate	5 kg	377909	711
Sodium thiosulfate pentahydrate	25 kg	377901	711
Sorbitol (no crystallizable) solution 70%	1 l	379021	715
Sorbitol (no crystallizable) solution 70%	5 l	379022	715
Stearic acid	2.5 kg	307112	722
Stearic acid	25 kg	307115	722
D(+)-Sucrose	1 kg	365157	726
D(+)-Sucrose	5 kg	365158	726
D(+)-Sucrose	25 kg	365152	726
Sulfuric acid 96%	1 l	306651	733
Sulfuric acid 96%	2.5 l	306657	733
Sulfuric acid 96%	50 kg	306653	733
Talc	1 kg	382107	744
Talc	5 kg	382109	744
Talc	25 kg	382105	744
Tannic acid	1 kg	307157	744
Tannic acid	5 kg	307152	744
Tannic acid	25 kg	307153	744
L(+) Tartaric Acid	1 kg	307357	745
L(+) Tartaric Acid	5 kg	307359	745
L(+) Tartaric Acid	1 kg	307307	745
L(+) Tartaric Acid	5 kg	307309	745
L(+) Tartaric Acid	25 kg	307301	745
Thymol	250 g	384205	757
Thymol	1 kg	384201	757
Thymol	2.5 kg	384202	757
Titanium dioxide	1 kg	385751	764
Titanium dioxide	5 kg	385752	764
Titanium dioxide	25 kg	385753	764
Triethanolamine	1 l	386301	772
Triethanolamine	2.5 l	386303	772
Triethanolamine	30 kg	386304	772
Triethanolamine	220 kg	386305	772
Tris (hydroxymethyl)-aminomethane	25 kg	313441	777
Vanillin	100 g	388104	784
Vanillin	1 kg	388107	784
Vanillin	5 kg	388108	784
Vanillin	10 kg	388102	784
Water purified	1 l	307606	788
Water purified	5 l	307601	788

Water purified	10 l	307602	788
Water purified	25 kg	307603	788
Water purified	200 l	307604	788
Zinc oxide	1 kg	393507	801
Zinc oxide	5 kg	393509	801
Zinc oxide	25 kg	393503	801
Zinc stearate	1 kg	395451	801
Zinc stearate	10 kg	395452	801
Zinc sulfate heptahydrate	1 kg	394007	802
Zinc sulfate heptahydrate	5 kg	394009	802
Zinc sulfate heptahydrate	25 kg	394001	802

ERBApharm®: Titrated and Diluted solutions manufactured from raw material according to Ph.Eur

CARLO ERBA Reagents provides a range of titrated and diluted solutions described (or not) in the monographs of European Pharmacopoeia. If there are not listed in it, CARLO ERBA Reagents is able to propose you the solution you need manufactured with raw materials conform to the required Pharmacopoeia, and with same guarantee of quality in terms of traceability, documentation and analysis. A feasibility study is carried out to meet your requirements.

Description	Notes	Size	Code	Page
Ethanol 50% v/v		5 l	529261	337
Hydrochloric acid 5%		10 l	PS0864/41	400
Hydrochloric acid 6 mol/l (6N)		25 l	528651	401
Hydrochloric acid 4 mol/l (4N)		1 l	528681	402
Hydrochloric acid 2 mol/l (2N)		1 l	528691	403
Hydrochloric acid 1 mol/l (1N)		1 l	528583	404
Hydrochloric acid 1 mol/l (1N)		5 l	528584	404
Hydrochloric acid 0.1 mol/l (0.1N)		1 l	528661	406
Hydrochloric acid 0.1 mol/l (0.1N)		5 l	528662	406
Propan-2-ol 70%		1 l	524182	627
Propan-2-ol 70%	6 units / box	1 l	524183	627
Propan-2-ol 70%		2.5 l	524184	627
Propan-2-ol 70%		5 l	524181	627
Sodium hydroxide solution 30%		1 l	369704	682
Sodium hydroxide solution 30%		20 l	369702	682
Sodium hydroxide solution 30%		10 kg	369701000	682
Sodium hydroxide solution 30%		200 l	369706	682
Sodium hydroxide solution 20% w/w		1 l	480631	683
Sodium hydroxide 6 mol/l (6N)		2 l	524651	684
Sodium hydroxide 3 mol/l (3N)		500 ml	524732	685
Sodium hydroxide 2 mol/l (2N)		1 l	524671	686
Sodium hydroxide 1 mol/l (1N)		1 l	524761	687
Sodium hydroxide 1 mol/l (1N)		1 l	524621	687
Sodium hydroxide 0.25 mol/l (0.25N)		5 l	369812	689
Sodium hydroxide 0.1 mol/l (0.1N)		1 l	524631	690



PHARMACEUTICAL QUALITY CONTROL

The European Pharmacopoeia defines, in chapters "2. Methods of analysis" and "4. Reagents", the procedures and products suitable for the analysis of pharmaceutical raw materials or finished products.

CARLO ERBA Reagents offers a wide range of products, prepared according to the instructions set forth in the European Pharmacopoeia currently in place, which meet the specific needs of analysis and quality control laboratories in the pharmaceutical industry.

Our solutions are ready to use or to be diluted immediately prior to use, allowing significant time savings with guaranteed conformity with the European Pharmacopoeia (Ph.Eur.) requirements. To facilitate their identification, our reagents are named as indicated in the Pharmacopoeia and coded with their specific reference number preceded by the number 61.

The following is guaranteed for all our pharmacopoeia reagents and solutions:

- Shelf life ranging from 2 to 24 months
- No particular storage or transport conditions
- Certificate of analysis with the lot number, expiration date and declared conformity with the European Pharmacopoeia requirements

These reagents and solutions are to be used during the analysis of pharmaceutical raw materials or finished products, and therefore should not be confused with the pharmacopoeia products.

USP Reagents

These reagents are specially intended for use in testing USP and monographs. These solutions are produced according USP specifications using USP reagent quality components.

Description	Notes	Size	Code	Page
Ammonia solution 6N		1 l	617000151	164
Arsenic trioxide solution	Arsenic trioxide stock solution	100 ml	617000001	185
Barium chloride 30 g/l	Barium chloride TS	100 ml	617000161	194
Bromine solution	Bromine TS	100 ml	617000141	210
Cobalt (II) chloride in solution	Cobaltous Chloride CS	100 ml	616001028	272
Cobalt (II) chloride in solution	Cobaltous Chloride CS	500 ml	616001057	272
Copper (II) sulphate solution	Cupric sulfate CS	100 ml	616001038	281
Copper (II) sulphate solution	Cupric sulfate CS	500 ml	616001037	281
Degree of coloration of liquids: primary solutions	Yellow primary solution	100 ml	612002100	291
Degree of coloration of liquids: primary solutions	Red primary solution	100 ml	612002200	291
Degree of coloration of liquids: primary solutions	Blue primary solution	100 ml	612002300	291
Hydrochloric acid 1 mol/l (1N)		1 l	617000191	404
Iron chloride in solution	Ferric Chloride CS	100 ml	616001048	434
Iron chloride in solution	Ferric Chloride CS	500 ml	616001047	434
Lead (II) acetate cotton	Lead acetate cotton	10 g	617000301	457
Lead (II) nitrate	Stock Solution TS	100 ml	617000321	458
Methyl red solution	Methyl red solution TS	100 ml	617000111	504
Mixtures for residual solvents analysis	5 elements (Class 1): Benzene 10mg/ml; Tetrachloromethane (Carbon tetrachloride) 20mg/ml; 1,2-Dichloroethane 25mg/ml; 1,1-Dichloroethene 40mg/ml; 1,1,1-Trichloroethane 50mg/ml; Matrix: Dimethylsulphoxide	1 ml	507692	509
Mixtures for residual solvents analysis	16 elements (Class 2): Acetonitrile 2.05mg/ml; Chlorobenzene 1.8mg/ml; Cumene 0.34mg/ml; Cyclohexane 19.4mg/ml; cis-1,2-Dichloroethene 4.7mg/ml; trans-1,2-Dichloroethene 4.7mg/ml; 1,4-Dioxan 1.9mg/ml; Ethylbenzene 1.84mg/ml; Methanol 15mg/ml; Methylcyclohexane 5.9mg/ml; Dichloromethane 3mg/ml; Tetrahydrofuran 3.6mg/ml; Toluene 4.45mg/ml; m-Xylene 6.51mg/ml; o-Xylene 0.98mg/ml; p-Xylene 1.52mg/ml; Matrix: Dimethylsulphoxide	1 ml	507693	509
Mixtures for residual solvents analysis	8 elements (Class 2): Chloroform 60µg/ml; 1,2-Dimethoxyethane 100µg/ml; n-Hexane 290µg/ml; 2-Hexanone 50µg/ml; Nitromethane 50µg/ml; Pyridine 200µg/ml; 1,2,3,4-Tetrahydronaphthalene (Tetralin) 100µg/ml; Trichloroethene 80µg/ml; Matrix: Dimethylsulphoxide	1 ml	507694	509

Phenolphthalein solution 1% in ethanol	Phenolphthalein TS	100 ml	617000131	571
Silver nitrate solution	Silver nitrate TS	1 l	617000201	659
Sodium hydroxide 1 mol/l (1N)		500 ml	617000121	687
Thioacetamide	Thioacetamide TS	100 ml	617000211	754
Titanium trichloride-sulfuric acid reagent	Titanium Trichloride-Sulfuric Acid TS	100 ml	617000221	765

Elemental Impurities - Multielement Standard for ICP analysis according to USP

Description	Notes	Size	Code	Page
Multielement standard for ICP	4 elements: Cd 5mg/l; Pb 10mg/l; As 15mg/l; Hg 15mg/l. Matrix: 7% HNO ₃	100 ml	506120	513
Multielement standard for ICP	8 elements: Cd 25mg/l; Pb 5mg/l; As 1.5mg/l; Hg 15mg/l; Mo 100mg/l; Ni 500mg/l; V 100mg/l; Cu 1000mg/l. Matrix: 7% HNO ₃	100 ml	506110	513
Multielement standard for ICP	Precious metals - 6 elements: Ir 100 mg/l, Pt 100 mg/l; Os 100 mg/l; Rh 100 mg/l; Pd 100 mg/l; Ru 100 mg/l. Matrix: 15% HCl	100 ml	506150	513
Multielement standard for ICP	Precious metals - 6 elements: Ir 10 mg/l, Pt 10 mg/l; Os 10 mg/l; Rh 10 mg/l; Pd 10 mg/l; Ru 10 mg/l. Matrix: 15% HCl	100 ml	506130	513
Multielement standard for ICP	8 elements: Cd 2.5mg/l; Pb 5mg/l; As 1.5mg/l; Hg 1.5mg/l; Mo 10mg/l; Ni 50mg/l; V 10mg/l; Cu 100mg/l. Matrix: 7% HNO ₃	100 ml	506140	513

Ph. Eur. Reagents, Chapter 2.2.1: Clarity and degree of opalescence of liquids

Description	Notes	Size	Code	Page
Primary opalescent suspension	Formazin suspension	100 ml	612201100	621
Primary opalescent suspension	Formazin suspension	1 l	612201101	621

Ph. Eur. Reagents, Chapter 2.2.2: Degree of coloration of liquids

Description	Notes	Size	Code	Page
Degree of coloration of liquids: primary solutions	Yellow primary solution	100 ml	612202100	290
Degree of coloration of liquids: primary solutions	Red primary solution	100 ml	612202200	290
Degree of coloration of liquids: primary solutions	Blue primary solution	100 ml	612202300	290
Degree of coloration of liquids: standard solutions	Standard solution B (brown)	125 ml	612202510	291
Degree of coloration of liquids: standard solutions	Standard solution BY (brownish-yellow)	125 ml	612202520	291
Degree of coloration of liquids: standard solutions	Standard solution Y (yellow)	125 ml	612202530	291
Degree of coloration of liquids: standard solutions	Standard solution GY (greenish-yellow)	125 ml	612202540	291
Degree of coloration of liquids: standard solutions	Standard solution R (red)	125 ml	612202550	291
Hydrochloric acid, dilute	Dilution matrix HCl 10g/L	1 l	612202400	409

Ph. Eur. Reagents, Chapter 2.2.25: Absorption spectrophotometry, ultraviolet and visible

The European Pharmacopoeia defines in its "Analytical Methods", chapter 2.2.25, the calibration of spectrophotometers absorption in the ultraviolet and visible.

For each parameter, the method of analysis recommends to use diluted solutions.

Among the multiple benefits, here are the most important:

- Reduces associated risk of handling some hazardous reagents
- Traceability according to NIST for raw material and instrumentation used to prepare and control the finish product
- Available in 100 ml amber bottles or permanently sealed cuvettes (possibility of re-calibration on request)
- Can be used with all UV-VIS Spectrophotometers

Description	Notes	Size	Code	Page
Holmium perchlorate in solution		100 ml	506473	391
Potassium chloride 12g/l		10 ml	506432	589
Potassium chloride 12g/l		100 ml	506433	589
Potassium dichromate - Sulfuric acid solution	conc. 60 mg/l	2 x 10 ml	506442	592
Potassium dichromate - Sulfuric acid solution	conc. 600 mg/l	2 x 10 ml	506452	592
Potassium dichromate - Sulfuric acid solution	conc. 60 mg/l	100 ml	506443	592
Potassium dichromate - Sulfuric acid solution	conc. 600 mg/l	100 ml	506453	592
Toluene in solution in hexane		10 ml	506462	768
Toluene in solution in hexane		100 ml	506463	768
Water	Spectrophotometry Stray Light Blank	100 ml	506411	787

Ph. Eur. Reagents, Chapter 2.2.3: Potentiometric determination of pH

These buffer solutions are intended for:

- Calibration of pH-meters
- Validation of analytical methods
- Preparation of "working reference samples"
- Detection limit and linearity studies

These Certified Reference Materials are produced under a quality management system that is:

- Registered to ISO 9001 Quality Management System
- Accredited according to ISO/IEC 17025
- Accredited according to ISO 17034

Description	Notes	Size	Code	Page
Buffer pH 1.68	Certified Reference Material	500 ml	612203168	216
Buffer pH 4	pH 4.01 at 25°C - Certified Reference Material	500 ml	612203401	218
Buffer pH 6.88	pH 6.87 at 25°C - Certified Reference Material	500 ml	612203687	220
Buffer pH 7.4	pH 7.41 at 25°C - Certified Reference Material	500 ml	612203741	222
Buffer pH 9.22	pH 9.18 at 25°C - Certified Reference Material	500 ml	612203918	223

Ph. Eur. Reagents, Chapter 2.4.24: Identification and control of residual solvents

The International Conference on Harmonization (ICH) adopted the “Impurities: guidelines for residual solvents”, which sets the pharmaceutical limits for residual solvents in the manufacturing of drug substances, excipients, and drug products. The methods used to determine these limits are described in chapter 467 of the USP and 2.4.24 of the European Pharmacopeia.

Three classes of solvents are categorized:

Class 1: Solvents to be avoided (Known human carcinogens, strongly suspected human carcinogens, environmental hazards)

Class 2: Residual solvents (Solvents to be limited, nongenotoxic animal carcinogens or possible causative agents of other irreversible toxicity, such as neurotoxicity or teratogenicity. Solvents suspected of other significant but reversible toxicities.)

Class 3: Residual Solvents (Solvents with Low Toxic Potential. Solvents with low toxic potential to humans; no health-based exposure limit is needed. Class 3 residual solvents may have PDEs of up to 50 mg or more per day.)

CARLO ERBA Reagents developed a product line of mixture of class 1 and 2 solvents, offered at concentrations within the acceptable limit mentioned in chapter “5.4 - Residual solvents”. This allows you to control the amount of residual solvents in your starting material used in the manufacturing of drug products.

Advantages: delivered with a certificate of analysis guaranteeing total traceability:

- Lot number
- Expiration date
- CAS number of each component
- Molecular formula of each component
- Lot number of each starting material
- Concentration of each starting material
- Concentration variation limits

Description	Notes	Size	Code	Page
Mixtures for residual solvents analysis	5 elements (Class 1): Benzene 4mg/ml; 1,2-Dichloroethane 10mg/ml; Tetrachloromethane 8mg/ml; 1,1-Dichloroethene 16mg/ml; 1,1,1-Tricloroethane 20mg/ml; Matrix: Dimethylsulphoxide	1 ml	507688	509
Mixtures for residual solvents analysis	14 elements (Class 2): Chlorobenzene 360µg/ml; Cyclohexane 3880µg/ml; cis-1,2-Dichloroethene 1870µg/ml; Dichloromethane 600µg/ml; Ethylbenzene 369µg/ml; n-Hexane 290µg/ml; Methylcyclohexane 1180µg/ml; n,n-Dimethylformamide 880µg/ml; Toluene 890µg/ml; 1,1,2-Trichloroethene 80µg/ml; m-Xylene 1302µg/ml; o-Xylene 195µg/ml; p-Xylene 304µg/ml; Tetrahydrofuran 720µg/ml; Matrix: Dimethylsulfoxide	1 ml	507689	509
Mixtures for residual solvents analysis	11 elements (Class 2): Acetonitrile 410mg/l; Chloroform 60mg/l; 1,2-Dimethoxyethane 100mg/l; n,n-Dimethylacetamide 1090mg/l; Dioxan 380mg/l; 2-Hexanone 50mg/l; Methanol 3000mg/l; Nitromethane 50mg/l; Pyridine 200mg/l; 1,2,3,4-Tetrahydronaphthalene 100mg/l; Isopropylbenzene (Cumene) 70mg/l; Matrix: Dimethylsulphoxide/ Water	1 ml	507690	509
Mixtures for residual solvents analysis	6 elements (Class 2): Ethyleneglycol-monoethyl ether (2-Ethoxyethanol) 160mg/l; Ethyleneglycol 620mg/l; Formamide 220mg/l; Ethylene glycol-monomethyl ether (2-Methoxyethanol) 50mg/l; 1-Methyl-2-pyrrolidon 4840mg/l; Sulfolan 160mg/l; Matrix: Water	1 ml	507691	509

Ph. Eur. Reagents, Chapter 4.1.1: Reagents

Description	Notes	Size	Code	Page
Acetic acid 30%	Ref Ph.Eur 1000401	1 l	611000401	134
Acetic acid 12%	Ref Ph.Eur 1000402	1 l	611000402	135
Acetic anhydride	Acetic anhydride solution R1 Ref Ph.Eur 1000501	1 l	611000501	137
Aminohippuric acid reagent	Ref Ph.Eur 1003701	100 ml	611003701	158
Aminopyrazolone solution		100 ml	611004601	159
Ammonia solution 17%	Ref Ph.Eur 1004701	250 ml	611004701	164
Ammonia solution diluted	Ammonia, dilute R1 Ref Ph.Eur 1004702	1 l	611004702	164

Ammonia solution diluted	Ammonia, dilute R2 Ref Ph.Eur 1004703	1 l	611004703	164
Ammoniacal solution of copper tetrammine	Ref Ph.Eur 1022600	100 ml	611022600	165
Ammonium carbonate solution 158 g/l	Ref Ph.Eur 1005201	1 l	611005201	168
Anisaldehyde solution	Ref Ph.Eur 1007301	100 ml	611007301	181
Anisaldehyde solution	Anisaldehyde solution R1 Ref Ph.Eur 1007302	100 ml	611007302	181
Antimony trichloride	Ref Ph.Eur 1007701	100 ml	611007701	183
Barium chloride dihydrate	Ref Ph.Eur 1009300	100 g	611009300	192
Barium chloride solution 61 g/l	Barium chloride solution R1 Ref Ph.Eur 1009301	100 ml	611009303	193
Barium chloride solution 61 g/l	Barium chloride solution R1 Ref Ph.Eur 1009301	250 ml	611009309	193
Barium chloride solution 61 g/l	Barium chloride solution R1 Ref Ph.Eur 1009301	1 l	611009301	193
Barium hydroxide solution 47.3 g/l	Ref Ph.Eur 1009401	250 ml	611009409	195
Barium hydroxide solution 47.3 g/l	Ref Ph.Eur 1009401	1 l	611009401	195
Biuret reagent	Biuret reagent Ref Ph.Eur 1011601	1 l	611011601	205
Bromine solution	Ref Ph.Eur 1012401	100 ml	611012401	210
Bromine water	Ref Ph.Eur 1012402	50 ml	611012409	211
Bromine water	Ref Ph.Eur 1012402	100 ml	611012402	211
Bromocresol green solution	Ref Ph.Eur 1012601 / Color change: pH 3.6 (yellow) to pH 5.2 (blue)	100 ml	611012601	211
Bromocresol green - Methyl red solution	Ref Ph.Eur 1012602	100 ml	611012602	212
Bromocresol purple solution	Ref Ph.Eur 1012701	100 ml	611012701	213
Bromophenol blue solution	Ref Ph.Eur 1012801/Color change: pH 2.8 (yellow) to pH 4.4 (blue-violet)	100 ml	611012801	214
Bromophenol blue solution	Bromophenol blue solution R1 Ref Ph.Eur 1012802	100 ml	611012802	214
Bromophenol blue solution	Bromophenol blue solution R2 Ref Ph.Eur 1012803	100 ml	611012803	214
Bromothymol blue solution	Bromothymol blue solution R1 Ref Ph.Eur 1012901/ Color change: pH 5.8 (yellow) to pH 7.4 (blue)	100 ml	611012901	215
Bromothymol blue solution	Bromothymol blue solution R3 Ref Ph.Eur 1012903	100 ml	611012903	215
Calcium sulfate hemihydrate solution	Ref Ph.Eur 1015201	100 ml	611015202	245
Calcium sulfate hemihydrate solution	Ref Ph.Eur 1015201	1 l	611015201	245
Chloral hydrate	Ref Ph.Eur 1017901	100 ml	611017901	256
Citric acid monohydrate	Ref Ph.Eur 1021000	100 g	611021000	269
Congo red solution	Ref Ph.Eur 1022001	100 ml	611022001	274
Copper (II) sulfate solution 12.5%	Ref Ph.Eur 1022500	100 ml	611022501	281
Cresol red R solution in Sodium hydroxide 0.1N/ Ethanol 96% / Water	Ref Ph.Eur 1022801	100 ml	611022801	283
Crystal violet solution 0.5% in anhydrous acetic acid	Ref Ph.Eur 1022901	100 ml	611022901	284
Cupri-citric solution	Ref Ph.Eur 1023100	1 l	611023100	284
Cupri-tartaric solution	Ref Ph.Eur 1023300	2 x 500 ml	611023300	285
Dichloromethane acidified with 1% hydrochloric acid	Ref Ph.Eur 1055901	100 ml	611055901	305
1,4-Dioxane	Dioxane stock solution 1.0 mg/ml Ref Ph.Eur 1032001	50 ml	611032001	321
1,4-Dioxane	Dioxane solution R1 0.1 mg/ml Ref Ph.Eur 1032003	50 ml	611032003	321
1,4-Dioxane	Dioxane solution 0.5 mg/ml Ref Ph.Eur 1032002	100 ml	611032002	321
Diphenylamine solution 1% in sulfuric acid	Ref Ph.Eur 1032101	100 ml	611032109	322

Diphenylamine solution 1% in sulfuric acid	Ref Ph.Eur 1032101	1 l	611032101	322
Diphenylamine solution 1% in sulfuric acid	Diphenylamine solution R1 Ref Ph.Eur 1032102	1 l	611032102	322
Eriochrome black T	Ref Ph.Eur 1056801	100 g	611056801	329
Ethanol 96°	Ref Ph.Eur 1002501	1 l	611002501	334
Ethylene oxide solution	Ethylene oxide solution R2 Ref Ph.Eur 1036408	1 ml	611036408	349
Ethylene oxide solution	Ethylene oxide stock solution Ref Ph.Eur 1036401	10 ml	611036401	349
Ferrouin 0.025 mol/l solution	Ref Ph.Eur 1038100	100 ml	611038100	354
Formaldehyde 35% w/w	Ref Ph.Eur 1039101	100 ml	611039101	359
Fuchsin solution decolorised	Ref Ph.Eur 1039401	100 ml	611039401	365
Fuchsin solution decolorised	Fuchsin solution, decolorised R1 Ref Ph.Eur 1039402	100 ml	611039402	365
Holmium perchlorate in solution	Ref Ph.Eur 1043101	1 l	611043101	391
Hydrochloric acid 25% w/v	Hydrochloric acid R1 Ref Ph.Eur 1043501	1 l	611043501	398
Hydrochloric acid, dilute	Ref Ph.Eur 1043503	1 l	611043503	409
Hydrochloric acid, dilute	Hydrochloric acid, dilute R1 Ref Ph.Eur 1043504	1 l	611043504	409
Hydrochloric acid, brominated	Ref Ph.Eur 1043507	1 l	611043507	409
Hydroxylamine solution, alcoholic	Ref Ph.Eur 1044301	100 ml	611044301	417
Indigo carmine solution	Ref Ph.Eur 1045601	1 l	611045601	422
Iodine bromide solution	Ref Ph.Eur 1045901	1 l	611045901	426
Iodoplatinate reagent	Ref Ph.Eur 1046300	200 ml	611046309	427
Iodoplatinate reagent	Ref Ph.Eur 1046300	1 l	611046300	427
Iron (III) ammonium sulfate solution 100 g/l	Ferric ammonium sulfate solution R2 Ref Ph.Eur 1037702	100 ml	611037703	433
Iron (III) ammonium sulfate solution 100 g/l	Ferric ammonium sulfate solution R2 Ref Ph.Eur 1037702	1 l	611037702	433
Lanthanum nitrate solution 50 g/l	Ref Ph.Eur 1048001	1 l	611048001	454
Lead (II) acetate basic solution	Ref Ph.Eur 1048400	100 ml	611048400	457
Lead (II) acetate cotton	Ref Ph.Eur 1048101	10 g	611048101	457
Lead (II) acetate paper	Ref Ph.Eur 1048102	50 pc	611048102	457
Lead (II) acetate solution 95 g/l	Ref Ph.Eur 1048103	100 ml	611048103	458
Lead (II) nitrate solution 33 g/l	Ref Ph.Eur 1048301	1 l	611048301	459
Malachite green solution 0.5% in acetic acid anhydrous	Ref Ph.Eur 1050501	1 l	611050501	476
Mercuric bromide paper	Ref Ph.Eur 1052101	50 pc	611052101	484
Mercury chloride solution 54 g/l	Ref Ph.Eur 1052201	100 ml	611052201	485
Mercury (II) sulfate solution	Ref Ph.Eur 1052600	100 ml	611052600	486
Methanol, hydrochloric	Ref Ph.Eur 1053203	100 ml	611053203	493
Methyl Orange solution 0.1%	Solution in ethanol Ref Ph.Eur 1054802	100 ml	611054802	501
Methyl orange mixed solution	Ref Ph.Eur 1054801	100 ml	611054801	502
Methyl red solution	Ref Ph.Eur 1055102	100 ml	611055102	504
Methyl red mixed solution	Ref Ph.Eur 1055101	100 ml	611055101	504
Molybdovanadic reagent	Ref Ph.Eur 1056700	100 ml	611056700	511
alpha-Naphtholbenzein solution 0.2% in acetic acid	Ref Ph.Eur 1057601	100 ml	611057601	518
Ninhydrin solution	Ninhydrin solution R1 Ref Ph.Eur 1058304	100 ml	611058304	526
Ninhydrin solution	Ninhydrin solution R2 Ref Ph.Eur 1058305	100 ml	611058305	526
Ninhydrin and Tin (II) chloride reagent	Ref Ph.Eur 1058301	100 ml	611058301	526
Nitric acid, dilute	Ref Ph.Eur 1058402	100 ml	611058402	534
Nitric acid, dilute	Ref Ph.Eur 1058402	250 ml	611058409	534
Pararosaniline solution, decolorised	Ref Ph.Eur 1062201	100 ml	611062201	556

Perchloric acid solution	Ref Ph.Eur 1062901	100 ml	611062901	562
Phenol red solution	Ref Ph.Eur 1063601 / Colour change: pH 6.8 (yellow) to pH 8.4 (reddish-violet)	100 ml	611063601	571
Phenol red solution	Phenol red solution R2 Ref Ph.Eur 1063603	500 ml	611063603	571
Phenolphthalein solution 1% in ethanol	Phenolphthalein solution R1 Ref Ph.Eur 1063703	100 ml	611063703	571
Phenolphthalein solution 0.1%	Ref Ph.Eur 1063702	100 ml	611063702	572
Phenolphthalein solution 0.1% in ethanol	Ref Ph.Eur 1063702	1 l	611063709	572
Phenylhydrazine hydrochloride solution	Ref Ph.Eur 1064501	100 ml	611064501	573
Phosphomolybdotungstic reagent	Ref Ph.Eur 1065000	100 ml	611065000	576
Phosphotungstic acid solution	Ref Ph.Eur 1065200	100 ml	611065200	578
Picric acid solution	Ref Ph.Eur 1065801	100 ml	611065801	579
Picric acid solution	Picric acid solution R1 Ref Ph.Eur 1065802	100 ml	611065802	579
Potassium carbonate	Ref Ph.Eur 1068900	100 g	611068900	586
Potassium chloride 0.1 mol/l (0.1N)	Ref Ph.Eur 1069101	1 l	611069101	589
Potassium chromate 5% solution	Ref Ph.Eur 1069201	1 l	611069201	591
Potassium dichromate solution 0.5%	Potassium dichromate solution R1 Ref Ph.Eur 1069502	100 ml	611069509	592
Potassium dichromate solution 0.5%	Potassium dichromate solution R1 Ref Ph.Eur 1069502	1 l	611069502	592
Potassium dichromate solution 106 g/l	Ref Ph.Eur 1069501	1 l	611069501	594
Potassium ferricyanide	Ref Ph.Eur 1069800	500 g	611069700	594
Potassium ferrocyanide trihydrate	Ref Ph.Eur 1069800	500 g	611069800	595
Potassium ferrocyanide solution 53 g/l	Ref Ph.Eur 1069801	100 ml	611069801	596
Potassium hydrogen phthalate 0.2 mol/l (0.2N)	Ref Ph.Eur 1070001	1 l	611070001	598
Potassium hydroxide solution 3% in ethanol	Ref Ph.Eur 1070303	100 ml	611070303	601
Potassium hydroxide 2 mol/l (2N) in ethanol	Ref Ph.Eur 1070301	100 ml	611070301	602
Potassium hydroxide 0.5 mol/l (0.5N) in ethanol	Ref Ph.Eur 1070302	1 l	611070302	603
Potassium hydroxide in solution	Ref Ph.Eur 3005001	500 ml	613005001	606
Potassium iodide solution	Solution saturated Ref Ph.Eur 1070504	100 ml	611070504	608
Potassium iodide solution	Solution iodinated R1 Ref Ph.Eur 1070505	100 ml	611070505	608
Potassium iodide solution	Potassium iodide solution 166 g/l Ref Ph.Eur 1070502	1 l	611070502	608
Potassium iodobismuthate solution	Ref Ph.Eur 1070600	100 ml	611070600	609
Potassium iodobismuthate solution	Potassium iodobismuthate solution R2 Ref Ph.Eur 1070602	100 ml	611070602	609
Potassium permanganate solution 3%	Ref Ph.Eur 1070902	1 l	611070902	612
Potassium permanganate and phosphoric acid solution	Ref Ph.Eur 1070901	100 ml	611070901	613
Potassium phosphate monobasic 0.2 mol/l (0.2N)	Ref Ph.Eur 1069601	1 l	611069601	615
Potassium pyroantimonate solution	Ref Ph.Eur 1071300	100 ml	611071303	616
Potassium pyroantimonate solution	Ref Ph.Eur 1071300	250 ml	611071309	616
Potassium pyroantimonate solution	Ref Ph.Eur 1071300	1 l	611071302	616
Potassium tetraiodomercurate solution, alkaline	Ref Ph.Eur 1071600	200 ml	611071600	619
Potassium thiocyanate solution	A 97 g/l solution Ref Ph.Eur 1071801	1 l	611071801	621
Salicylaldehyde azine	Ref Ph.Eur 1075500	100 ml	611075500	642
Silver manganese paper	Ref Ph.Eur 1078200	50 stripes	611078200	655
Silver nitrate solution	Silver nitrate R1 Ref Ph.Eur 1078301	100 ml	611078307	658
Silver nitrate solution	Silver nitrate R2 Ref Ph.Eur 1078302	100 ml	611078306	658
Silver nitrate solution	Silver nitrate R1 Ref Ph.Eur 1078301	1 l	611078301	658
Silver nitrate solution	Silver nitrate R2 Ref Ph.Eur 1078302	1 l	611078302	658
Sodium carbonate solution	A 106 g/l solution ref Ph.Eur 1079301	1 l	611079301	670
Sodium hydroxide solution 20% w/v	Ref Ph.Eur 1081401	1 l	611081401	683

Sodium hydroxide solution	Ref Ph.Eur 1081402	1 l	611081402	691
Sodium hydroxide solution	Sodium hydroxide solution, strong Ref Ph.Eur 1081404	1 l	611081404	691
Sodium hydroxide solution, methanolic	Sodium hydroxide solution, methanolic R1 Ref Ph.Eur 1081405	100 ml	611081405	691
Sodium hypochlorite solution in water	Sodium hypochlorite solution, strong Ref Ph.Eur 1081600	250 ml	611081609	692
Sodium hypochlorite solution in water	Sodium hypochlorite solution, strong Ref Ph.Eur 1081600	1 l	611081600	692
Sodium sulfide nonahydrate solution	Ref Ph.Eur 1083901	100 ml	611083901	707
Sodium sulfide nonahydrate solution	Sodium sulfide solution R1 Ref Ph.Eur 1083902	100 ml	611083902	707
Starch soluble solution	Ref Ph.Eur 1085103	100 ml	611085103	721
Starch soluble solution	Ref Ph.Eur 1085103	1 l	611085104	721
Sulfomolybdic reagent	Sulfomolybdic reagent R3 Ref Ph.Eur 1086500	100 ml	611086500	729
Sulfuric acid, dilute	A 98 g/l solution Ref Ph.Eur 1086804	1 l	611086804	743
Thioacetamide solution 40 g/l	Ref Ph.Eur 1089602	100 ml	611089603	755
Thioacetamide solution 40 g/l	Ref Ph.Eur 1089602	1 l	611089602	755
Thioglycolic acid 80%	Ref Ph.Eur 1089700	10 ml	611089700	755
Thymol blue solution	Ref Ph.Eur 1090601	100 ml	611090601	758
Thymolphthalein solution 0.1% in ethanol	Ref Ph.Eur 1090701	100 ml	611090701	759
Tin (II) chloride solution	Ref Ph.Eur 1085001	100 ml	611085001	761
Titanium trichloride-sulfuric acid reagent	Ref Ph.Eur 1091202	100 ml	611091202	765
o-Tolidine solution	Ref Ph.Eur 1123001	500 ml	611123001	765
Tris(hydroxymethyl)aminomethane solution	Ref Ph.Eur 1094201	100 ml	611094201	777
Vanillin solution, phosphoric	Ref Ph.Eur 1095302	100 ml	611095302	784
Water	Water ammonium-free Ref Ph.Eur 1095501	1 l	611095501	787
Water	Water nitrate-free Ref Ph.Eur 1095506	1 l	611095506	787
Zinc, activated	Ref Ph.Eur 1096501	100 g	611096501	797
Zinc chloride solution, iodinated	Ref Ph.Eur 1096602	500 ml	611096603	800
Zinc chloride-formic acid solution	Ref Ph.Eur 1096601	1 l	611096601	800

Ph. Eur. Reagents Chapter 4.1.2: Standard solutions for limit tests

To be diluted immediately prior to use as described in the pharmacopoeia.

Description	Notes	Size	Code	Page
Aluminum standard solution	A 200 ppm solution Ref Ph.Eur 5000200	100 ml	615000200	151
Aluminum standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000201	100 ml	615000201	151
Aluminum standard solution	A 2 ppm solution: to dilute according to Ref Ph.Eur 5000202	100 ml	615000202	151
Aluminum standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5000203	100 ml	615000203	151
Ammonium standard solution	A 2.5 ppm solution: to dilute according to Ref Ph.Eur 5000301	100 ml	615000301	165
Ammonium standard solution	A 1 ppm solution: to dilute according to Ref Ph.Eur 5000302	100 ml	615000302	165
Ammonium standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5000300	100 ml	615000309	165
Antimony standard solution	A 100 ppm solution Ref Ph.Eur 5000400	100 ml	615000400	182
Arsenic standard solution	A 1 ppm solution: to dilute according to Ref Ph.Eur 5000501	100 ml	615000501	185
Arsenic standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000500	100 ml	615000509	185
Barium standard solution	A 0.1 % solution Ref Ph.Eur 5000601	100 ml	615000601	191

Barium standard solution	A 50 ppm solution: to dilute according to Ref Ph.Eur 5000600	100 ml	615000609	191
Bismuth standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5005300	100 ml	615005300	202
Cadmium standard solution	A 0.1 % solution Ref Ph.Eur 5000700	100 ml	615000700	232
Cadmium standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000701	100 ml	615000709	232
Calcium standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5000801	100 ml	615000801	234
Calcium standard solution	A 100 ppm alcoholic solution: to dilute according to Ph.Eur 5000802	100 ml	615000802	234
Calcium standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000803	100 ml	615000803	234
Calcium standard solution	A 100 ppm solution R1: to dilute according to Ref Ph.Eur 5000804	100 ml	615000804	234
Calcium standard solution	A 400 ppm solution: to dilute according to Ref Ph.Eur 5000800	100 ml	615000809	234
Chloride standard solution	A 5 ppm solution: to dilute according to Ref Ph.Eur 5000901	100 ml	615000901	257
Chloride standard solution	A 8 ppm solution: to dilute according to Ref Ph.Eur 5000900	100 ml	615000909	257
Chloride standard solution	A 50 ppm solution: to dilute according to Ref Ph.Eur 5004100	100 ml	615004100	257
Chromium standard solution	A 0.1 % solution Ref Ph.Eur 5001002	100 ml	615001002	264
Chromium standard solution	A 100 ppm solution Ref Ph.Eur 5001000	1 l	615001000	264
Cobalt standard solution	A 100 ppm solution Ref Ph.Eur 5004300	1 l	615004300	270
Copper standard solution	A 0.1 % solution Ref Ph.Eur 5001100	100 ml	615001100	275
Ferricyanide standard solution	A 50 ppm solution: to dilute according to Ph.Eur 5001300	100 ml	615001300	353
Ferrocyanide standard solution	A 100 ppm solution: to dilute according to Ph.Eur 5001200	100 ml	615001209	354
Fluoride standard solution	A 1 ppm solution: to dilute according to Ref Ph.Eur 5001401	100 ml	615001401	358
Fluoride standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001400	100 ml	615001409	358
Germanium standard solution	A 100 ppm solution Ref Ph.Eur 5004400	1 l	615004400	369
Glyoxal standard solution	A 20 ppm solution: to dilute according to Ph.Eur 5003700	100 ml	615003700	374
Iodine 10 ppm	Concentrated solution: to dilute according to Ref Ph.Eur 5003800	100 ml	615003809	426
Iron standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001601	100 ml	615001601	428
Iron standard solution	A 8 ppm solution: to dilute according to Ref Ph.Eur 5001602	100 ml	615001602	428
Iron standard solution	A 2 ppm solution: to dilute according to Ref Ph.Eur 5001603	100 ml	615001603	428
Iron standard solution	A 0.1 % solution Ref Ph.Eur 5001605	100 ml	615001605	428
Iron standard solution	A 250 ppm solution: to dilute according to Ref Ph.Eur 5001606	100 ml	615001606	428
Iron standard solution	A 20 ppm solution: to dilute according to Ref Ph.Eur 5001600	100 ml	615001609	428
Lead standard solution	A 0.1 % solution Ref Ph.Eur 5001700	100 ml	615001700	455
Lead standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001702	100 ml	615001702	455
Lead standard solution	A 2 ppm solution: to dilute according to Ref Ph.Eur 5001703	100 ml	615001703	455
Lead standard solution	A 1 ppm solution: to dilute according to Ref Ph.Eur 5001704	100 ml	615001704	455

Lead standard solution	A 0.1 ppm solution: to dilute according to Ref Ph.Eur 5001705	100 ml	615001705	455
Lead standard solution	A 10 ppm solution R1: to dilute according to Ref Ph.Eur 5001706	100 ml	615001706	455
Lead standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5001701	100 ml	615001709	455
Lead standard solution	A 0.1 % solution Ref Ph.Eur 5001700	500 ml	615001701	455
Magnesium standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001801	100 ml	615001801	468
Magnesium standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001802	100 ml	615001802	468
Magnesium standard solution	A 0.1 % solution Ref Ph.Eur 5001803	100 ml	615001803	468
Magnesium standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5001800	100 ml	615001809	468
Manganese standard solution	A 100 ppm solution Ref Ph.Eur 5004500	1 l	615004500	479
Manganese standard solution	A 1.000 ppm solution Ref Ph.Eur 5005800	1 l	615005800	479
Mercury standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001901	100 ml	615001901	484
Mercury standard solution	A 1000 ppm solution Ref Ph.Eur 5001900	1 l	615001900	484
Nickel standard solution	A 0.1 ppm solution: to dilute according to Ref Ph.Eur 5002001	100 ml	615002001	521
Nickel standard solution	A 0.2 ppm solution: to dilute according to Ref Ph.Eur 5002002	100 ml	615002002	521
Nickel standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5002000	100 ml	615002009	521
Nitrate standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5002101	100 ml	615002101	527
Nitrate standard solution	A 2 ppm solution: to dilute according to Ref Ph.Eur 5002102	100 ml	615002102	527
Nitrate standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5002100	100 ml	615002109	527
Palladium standard solution	A 500 ppm solution Ref Ph.Eur 5003600	100 ml	615003600	553
Phosphate standard solution	A 5 ppm solution: to dilute according to Ref Ph.Eur 5002200	100 ml	615002200	574
Phosphate standard solution	A 200 ppm solution Ref Ph.Eur 5004200	1 l	615004200	574
Potassium standard solution	A 20 ppm solution: to dilute according to Ref Ph.Eur 5002401	100 ml	615002401	582
Potassium standard solution	A 0.1 % solution Ref Ph.Eur 5002402	100 ml	615002402	582
Potassium standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5002400	100 ml	615002409	582
Potassium standard solution	A 600 ppm solution: to dilute according to Ref Ph.Eur 5005100	100 ml	615005100	582
Selenium standard solution	A 1 ppm solution Ref Ph.Eur 5002501	100 ml	615002501	647
Selenium standard solution	A 100 ppm solution Ref Ph.Eur 5002500	1 l	615002500	647
Silver standard solution	A 5 ppm solution: to dilute according to Ref Ph.Eur 5002600	100 ml	615002609	653
Sodium standard solution	A 50 ppm solution: to dilute according to Ref Ph.Eur 5002701	100 ml	615002701	661
Sodium standard solution	A 200 ppm solution: to dilute according to Ref Ph.Eur 5002700	100 ml	615002709	661
Sodium standard solution	A 1000 ppm solution Ref Ph.Eur 5005700	1 l	615005700	661
Sulfate standard solution	A 10 ppm solution R1: to dilute according to Ref Ph.Eur 5002801	100 ml	615002801	728
Sulfate standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5002802	100 ml	615002802	728
Sulfate standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5002800	100 ml	615002809	728
Sulfite standard solution	A 1,5 ppm solution Ref Ph.Eur 5002900	100 ml	615002900	729

Thallium standard solution	A 10 ppm solution Ref Ph.Eur 5003000	100 ml	615003000	754
Tin standard solution	A 0.1 ppm solution: to dilute according to Ref Ph.Eur 5003101	100 ml	615003101	760
Tin standard solution	A 5 ppm solution: to dilute according to Ref Ph.Eur 5003100	100 ml	615003109	760
Titanium standard solution	A 100 ppm solution Ref Ph.Eur 5003200	1 l	615003200	763
Vanadium standard solution	A 1 g/l solution Ref Ph.Eur 5003300	100 ml	615003300	783
Zinc standard solution	A 10 ppm solution: to dilute according to Ref Ph.Eur 5003402	100 ml	615003402	797
Zinc standard solution	A 5 ppm solution: to dilute according to Ref Ph.Eur 5003403	100 ml	615003403	797
Zinc standard solution	A 100 ppm solution: to dilute according to Ref Ph.Eur 5003401	100 ml	615003409	797
Zirconium standard solution	A 1 g/l solution Ref Ph.Eur 5003500	100 ml	615003500	804

Ph. Eur. Reagents Chapter 4.1.3: Buffers Solutions

Description	Notes	Size	Code	Page
Acetate buffer pH 6.0	Ref Ph.Eur 4002200	1 l	614002200	130
Acetate buffer pH 4.6	Ref Ph.Eur 4001400	1 l	614001400	130
Acetone	Buffered acetone solution Ref Ph.Eur 4000100	1 l	614000100	140
Ammonium chloride buffer solution pH 10.7	Ref Ph.Eur 4013400	1 l	614013400	169
Ammonium chloride buffer solution pH 10.0	Ref Ph.Eur 4007300	100 ml	614007301	170
Ammonium chloride buffer solution pH 10.0	Ref Ph.Eur 4007300	1 l	614007300	170
Ammonium chloride buffer solution pH 9.5	Ref Ph.Eur 4007200	1 l	614007200	170
Buffer pH 2	Ref Ph.Eur 4000200	1 l	614000200	217
Buffer pH 3.5	Ref Ph.Eur 4000600	250 ml	614000601	217
Buffer pH 3.5	Ref Ph.Eur 4000600	1 l	614000600	217
Buffer pH 3.7	Ref Ph.Eur 4000900	1 l	614000900	218
Buffer pH 5.2	Ref Ph.Eur 4001700	1 l	614001700	219
Buffer pH 7	Ref Ph.Eur 4003500	1 l	614003500	220
Buffer pH 7.4	Ref Ph.Eur 4004600	1 l	614004600	222
Buffer pH 9	Ref Ph.Eur 4000700	1 l	614007000	222
Phosphate buffer pH 9.0	Ref Ph.Eur 4008300	1 l	614008300	574
Phosphate buffer pH 7.4	Ref Ph.Eur 4004800	1 l	614004800	575
Phosphate buffer pH 6.8	Ref Ph.Eur 4003400	1 l	614003400	575
Phosphate buffer pH 6.0	Ref Ph.Eur 4002400	1 l	614002400	575
Phosphate buffer pH 5.5	Ref Ph.Eur 4002000	1 l	614002000	575
Phosphate buffer pH 3.0	Ref Ph.Eur 4000500	100 ml	614000501	576
Phosphate buffer pH 3.0	Ref Ph.Eur 4000500	1 l	614000500	576
Phosphate buffer pH 2.0	Ref Ph.Eur 4007900	1 l	614007900	576
Total-ionic-strength-adjustment buffer	Ref Ph.Eur 4007700	1 l	614007700	769
Total-ionic-strength-adjustment buffer	Ref Ph.Eur 4008800	1 l	614008800	769
Tris(hydroxymethyl)aminomethane buffer solution pH 8.1	Ref Ph.Eur 4006200	1 l	614006200	777
Tris(hydroxymethyl)aminomethane-EDTA buffer solution pH 8.4	Ref Ph.Eur 4006600	1 l	614006600	777
Tris(hydroxymethyl)aminomethane sodium chloride buffer solution pH 7.4	Ref Ph.Eur 4004900	1 l	614004900	778

Ph. Eur. Reagents Chapter 4.2.1: Primary standards for volumetric solutions

Description	Notes	Size	Code	Page
Benzoic acid	Ref Ph.Eur 2000200	100 g	612000200	199
Potassium bromate	Ref Ph.Eur 2000300	50 g	612000300	584
Potassium hydrogen phthalate	Ref Ph.Eur 2000400	50 g	612000400	597
Sodium carbonate monohydrate	Ref Ph.Eur 2000500	50 g	612000500	668
Sodium chloride	Ref Ph.Eur 2000600	250 g	612000600	670
Sulfanilic acid	Ref Ph.Eur 2000700	50 g	612000700	728
Zinc standard solution	Ref Ph.Eur 2000800	100 g	612000800	797

Ph. Eur. Reagents Chapter 4.2.2: Volumetric solutions

Description	Notes	Size	Code	Page
Ammonium thiocyanate 0.1 mol/l (0.1N)	Ref Ph.Eur 3000500	500 ml	613000501	179
Ammonium thiocyanate 0.1 mol/l (0.1N)	Ref Ph.Eur 3000500	1 l	613000500	179
Barium chloride 0.1 mol/l (0.2N)	Ref Ph.Eur 3000600	1 l	613000600	193
Barium perchlorate 0.05 mol/l	Ref Ph.Eur 3000700	1 l	613000700	196
Barium perchlorate 0.025 mol/l	Ref Ph.Eur 3009600	500 ml	613009601	196
Bromide - bromate 0.0167 mol/l	Ref Ph.Eur 3001000	1 l	613001000	210
Cerium (IV) ammonium nitrate 0.1 mol/l	Ref Ph.Eur 3000100	1 l	613000100	251
Cerium (IV) ammonium nitrate 0.01 mol/l	Ref Ph.Eur 3000200	1 l	613000200	251
Cerium (IV) ammonium sulfate 0.1 mol/l	Ref Ph.Eur 3000300	250 ml	613000301	252
Cerium (IV) ammonium sulfate 0.1 mol/l	Ref Ph.Eur 3000300	1 l	613000300	252
Cerium (IV) ammonium sulfate 0.01 mol/l	Ref Ph.Eur 3000400	1 l	613000400	252
Cerium (IV) sulfate 0.1 mol/l	Ref Ph.Eur 3001100	500 ml	613001101	253
Cerium (IV) sulfate 0.1 mol/l	Ref Ph.Eur 3001100	1 l	613001100	253
Cupriethylenediamine hydroxide 1 mol/l	Ref Ph.Eur 3008700	1 l	613008700	285
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Ref Ph.Eur 3005900	500 ml	613005901	346
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Ref Ph.Eur 3005900	1 l	613005900	346
Hyamine 1622 solution 0.004M	Ref Ph.Eur 3000900	100 ml	613000901	392
Hyamine 1622 solution 0.004M	Ref Ph.Eur 3000900	1 l	613000900	392
Hydrochloric acid 6 mol/l (6N)	Ref Ph.Eur 3001500	1 l	613001500	401
Hydrochloric acid 2 mol/l (2N)	Ref Ph.Eur 3001700	1 l	613001700	403
Hydrochloric acid 1 mol/l (1N)	Ref Ph.Eur 3001800	500 ml	613001801	403
Hydrochloric acid 1 mol/l (1N)	Ref Ph.Eur 3001800	1 l	613001800	403
Hydrochloric acid 0.1 mol/l (0.1N)	Ref Ph.Eur 3002100	500 ml	613002101	406
Hydrochloric acid 0.1 mol/l (0.1N)	Ref Ph.Eur 3002100	1 l	613002100	406
Hydrochloric acid 0.1 mol/l (0.1N) in ethanol	Ref Ph.Eur 3008800	1 l	613008800	407
Iodine 0.5 mol/l (1N)	Ref Ph.Eur 3009400	1 l	613009400	425
Iodine 0.05 mol/l (0.1N)	Ref Ph.Eur 3002700	1 l	613002700	425
Iodine 0.01 mol/l (0.02N)	Ref Ph.Eur 3002900	1 l	613002900	426
Iron (II) sulfate 0.1mol/l	Ref Ph.Eur 3001400	1 l	613001400	431
Iron (III) ammonium sulfate 0.1 mol/l	Ref Ph.Eur 3001300	1 l	613001300	433
Lanthanum nitrate 0.1 mol/l	Ref Ph.Eur 3010100	1 l	613010100	454
Lead (II) nitrate 0.1 mol/l	Ref Ph.Eur 3003100	500 ml	613003101	459
Lead (II) nitrate 0.1 mol/l	Ref Ph.Eur 3003100	1 l	613003100	459
Lead (II) nitrate 0.05 mol/l	Ref Ph.Eur 3009700	100 ml	613009700	459
Perchloric acid 0.1 mol/l (0.1N)	Ref Ph.Eur 3003900	1 l	613003900	561
Perchloric acid 0.05 mol/l (0.05N)	Ref Ph.Eur 3004000	1 l	613004000	562

Potassium bromate 0.033 mol/l (0.198N)	Ref Ph.Eur 3004200	1 l	613004200	585
Potassium bromate 0.02 mol/l (0.12N)	Ref Ph.Eur 3004300	1 l	613004300	585
Potassium dichromate 0.0167 mol/l (0.1N)	Ref Ph.Eur 3004600	1 l	613004600	593
Potassium hydroxide 1 mol/l (1N)	Ref Ph.Eur 3009100	1 l	613009100	602
Potassium hydroxide 0.5 mol/l (0.5N) in ethanol	Ref Ph.Eur 3004900	1 l	613004900	603
Potassium hydroxide 0.1 mol/l (0.1N)	Ref Ph.Eur 3004800	1 l	613004800	604
Potassium hydroxide 0.1 mol/l (0.1N) in ethanol	Ref Ph.Eur 3005100	1 l	613005100	605
Potassium iodate 0.05 mol/l (0.3N)	Ref Ph.Eur 3005200	1 l	613005200	606
Potassium permanganate 0.02 mol/l (0.1N)	Ref Ph.Eur 3005300	100 ml	613005301	612
Potassium permanganate 0.02 mol/l (0.1N)	Ref Ph.Eur 3005300	250 ml	613005309	612
Potassium permanganate 0.02 mol/l (0.1N)	Ref Ph.Eur 3005300	1 l	613005300	612
Silver nitrate 0.1 mol/l (0.1N)	Ref Ph.Eur 3005600	1 l	613005600	657
Sodium arsenite 0.1 mol/l (0.2N)	Ref Ph.Eur 3005800	1 l	613005800	664
Sodium hydroxide 1 mol/l (1N)	Ref Ph.Eur 3006300	500 ml	613006301	686
Sodium hydroxide 1 mol/l (1N)	Ref Ph.Eur 3006300	1 l	613006300	686
Sodium hydroxide 0.1 mol/l (0.1N)	Ref Ph.Eur 3006600	500 ml	613006601	689
Sodium hydroxide 0.1 mol/l (0.1N)	Ref Ph.Eur 3006600	1 l	613006600	689
Sodium hydroxide 0.1 mol/l (0.1N) in ethanol	Ref Ph.Eur 3007000	100 ml	613007001	690
Sodium hydroxide 0.1 mol/l (0.1N) in ethanol	Ref Ph.Eur 3007000	1 l	613007000	690
Sodium methoxide 0.1 mol/l	Ref Ph.Eur 3007100	100 ml	613007101	695
Sodium methoxide 0.1 mol/l	Ref Ph.Eur 3007100	1 l	613007100	695
Sodium nitrite 0.1 mol/l (0.1N)	Ref Ph.Eur 3007200	1 l	613007200	697
Sodium thiosulfate 0.1 mol/l (0.1N)	Ref Ph.Eur 3007300	500 ml	613007301	712
Sodium thiosulfate 0.1 mol/l (0.1N)	Ref Ph.Eur 3007300	1 l	613007300	712
Sulfuric acid 0.5 mol/l (1N)	Ref Ph.Eur 3007800	1 l	613007800	738
Sulfuric acid 0.05 mol/l (0.1N)	Ref Ph.Eur 3008000	500 ml	613008001	740
Sulfuric acid 0.05 mol/l (0.1N)	Ref Ph.Eur 3008000	1 l	613008000	740
Tetrabutylammonium hydroxide solution 0.1 mol/l (0.1N)	Ref Ph.Eur 3008300	1 l	613008300	749
Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol	Ref Ph.Eur 3008400	1 l	613008400	749
Zinc sulfate 0.1 mol/l (0.2N)	Ref Ph.Eur 3008600	500 ml	613008601	802
Zinc sulfate 0.1 mol/l (0.2N)	Ref Ph.Eur 3008600	1 l	613008600	802



PHYSICALS AND CHEMICAL CHARACTERISTICS

In order to help you save time, CARLO ERBA Reagents enlarges its range of standards for quality control laboratories: melting point standards, colour standard, osmolality standards, density standards, brix standards, refractive index standards. Traceability, reliability are the key word of these products. You will find the most commonly used items. Others are available, don't hesitate to contact us.

Melting point, Colour, Osmolality, Density, Brix & Refractive Index Standards

Description	Notes	Size	Code	Page
ASTM colour standards	Sample A1	100 ml	540601	187
ASTM colour standards	Sample A3	100 ml	540602	187
ASTM colour standards	Sample A5	100 ml	540603	187
ASTM colour standards	Sample A7	100 ml	540604	187
Brix Standards	Sucrose Stabilised 0%, Nominal Refractive Index @ 20°C: 1.332986	15 ml	540201	209
Brix Standards	Sucrose Stabilised 5%, Nominal Refractive Index @ 20°C: 1.340264	15 ml	540202	209
Brix Standards	Sucrose Stabilised 7%, Nominal Refractive Index @ 20°C: 1.343253	15 ml	540203	209
Brix Standards	Sucrose Stabilised 10%, Nominal Refractive Index @ 20°C: 1.347824	15 ml	540204	209
Brix Standards	Sucrose Stabilised 11.5%, Nominal Refractive Index @ 20°C: 1.350149	15 ml	540205	209
Brix Standards	Sucrose Stabilised 12%, Nominal Refractive Index @ 20°C: 1.350930	15 ml	540206	209
Brix Standards	Sucrose Stabilised 15%, Nominal Refractive Index @ 20°C: 1.355679	15 ml	540207	209
Brix Standards	Sucrose Stabilised 20%, Nominal Refractive Index @ 20°C: 1.363842	15 ml	540208	209
Brix Standards	Sucrose Stabilised 25%, Nominal Refractive Index @ 20°C: 1.372328	15 ml	540209	209
Brix Standards	Sucrose Stabilised 30%, Nominal Refractive Index @ 20°C: 1.381149	15 ml	540210	209
Brix Standards	Sucrose Stabilised 35%, Nominal Refractive Index @ 20°C: 1.390322	15 ml	540220	209
Brix Standards	Sucrose Stabilised 40%, Nominal Refractive Index @ 20°C: 1.39986	15 ml	540221	209
Brix Standards	Sucrose Stabilised 45%, Nominal Refractive Index @ 20°C: 1.409777	15 ml	540222	209
Brix Standards	Sucrose Stabilised 50%, Nominal Refractive Index @ 20°C: 1.420087	15 ml	540223	209
Brix Standards	Sucrose Stabilised 60%, Nominal Refractive Index @ 20°C: 1.441928	15 ml	540224	209
Brix Standards	Sucrose Stabilised 67.5%, Nominal Refractive Index @ 20°C: 1.459290	15 ml	540225	209
Density Standard	0.6960g/ml at 15°C	100 ml	540401	292
Density Standard	0.8715g/ml at 15°C	100 ml	540402	292
Density Standard	1.0040g/ml at 15°C	100 ml	540403	292
Density Standard	1.2498g/ml at 15°C	100 ml	540404	292
Density Standard	0.6919g/ml at 20°C	100 ml	540405	292
Density Standard	0.7033g/ml at 20°C	100 ml	540406	292
Density Standard	0.7488g/ml at 20°C	100 ml	540407	292
Density Standard	0.8668g/ml at 20°C	100 ml	540408	292
Density Standard	1.0005g/ml at 20°C	100 ml	540409	292
Density Standard	1.0301g/ml at 20°C	100 ml	540410	292
Density Standard	1.0792g/ml at 20°C	100 ml	540411	292
Density Standard	1.1651g/ml at 20°C	100 ml	540412	292

Density Standard	1.2486g/ml at 20°C	100 ml	540413	292
Density Standard	1.3304g/ml at 20°C	100 ml	540414	292
Density Standard	1.5799g/ml at 20°C	100 ml	540415	292
Density Standard	1.7470g/ml at 20°C	100 ml	540416	292
Density Standard	1.9141g/ml at 20°C	100 ml	540417	292
Density Standard	0.8207g/ml at 40°C	100 ml	540418	292
Density Standard	0.9323g/ml at 40°C	100 ml	540420	292
Density Standard	1.2408g/ml at 40°C	100 ml	540421	292
Density Standard	0.9990g/ml at 60°C	100 ml	540422	292
Density Standard	0.7524g/ml at 15°C	100 ml	540451	293
Density Standard	0.7721g/ml at 15°C	100 ml	540452	293
Density Standard	0.7933g/ml at 15°C	100 ml	540453	293
Density Standard	0.8168g/ml at 15°C	100 ml	540454	293
Density Standard	0.8428g/ml at 15°C	100 ml	540455	293
Density Standard	0.8715g/ml at 15°C	100 ml	540456	293
Density Standard	0.6919g/ml at 20°C	100 ml	540457	293
Density Standard	0.7033g/ml at 20°C	100 ml	540458	293
Density Standard	0.7488g/ml at 20°C	100 ml	540459	293
Density Standard	0.7893g/ml at 20°C	100 ml	540460	293
Density Standard	0.8126g/ml at 20°C	100 ml	540461	293
Density Standard	0.8384g/ml at 20°C	100 ml	540462	293
Density Standard	0.8668g/ml at 20°C	100 ml	540463	293
Density Standard	0.9098g/ml at 20°C	100 ml	540464	293
Density Standard	0.9476g/ml at 20°C	100 ml	540465	293
Density Standard	1.0005g/ml at 20°C	100 ml	540566	293
Density Standard	1.0301g/ml at 20°C	100 ml	540567	293
Density Standard	0.8622g/ml at 25°C	100 ml	540568	293
Density Standard	0.9438g/ml at 25°C	100 ml	540569	293
Density Standard	0.9969g/ml at 25°C	100 ml	540470	293
Density Standard	0.9245g/ml at 50°C	100 ml	540471	293
Density Standard	0.9695g/ml at 60°C	100 ml	540472	293
Density Standard	0.9815g/ml at 80°C	100 ml	540473	293
Gardner Colour Standards	Colour 2	100 ml	540701	368
Gardner Colour Standards	Colour 4	100 ml	540702	368
Gardner Colour Standards	Colour 6	100 ml	540703	368
Gardner Colour Standards	Colour 8	100 ml	540704	368
Gardner Colour Standards	Colour 10	100 ml	540705	368
Gardner Colour Standards	Colour 12	100 ml	540706	368
Gardner Colour Standards	Colour 14	100 ml	540707	368
Gardner Colour Standards	Colour 16	100 ml	540708	368
Melting point standards	Benzophenone 47 to 49°C	1 g	540001	483
Melting point standards	p-Nitrotoluene 52 to 54°C	1 g	540002	483
Melting point standards	Vanillin 81 to 83°C	1 g	540003	483
Melting point standards	Acetanilide 113 to 116°C	1 g	540014	483
Melting point standards	Benzoic Acid 121 to 123°C	1 g	540004	483
Melting point standards	Phenacetin 133 to 135°C	1 g	540005	483
Melting point standards	Salicylic Acid 158 to 160°C	1 g	540006	483
Melting point standards	Sulfanilamide 164 to 166°C	1 g	540007	483
Melting point standards	Caffeine 235 to 238°C	1 g	540008	483
Melting point standards	Carbazole 243 to 247°C	1 g	540009	483

Melting point standards	Anthraquinone 283 to 286°C	1 g	540010	483
Melting point standards	Set Sulphanilamide Caffeine Vanillin	3 x 1 g	540011	483
Melting point standards	Set Benzophenone (4749°C) Benzoic Acid (121-123°C) Anthraquinone (283-286°C)	3 x 1 g	540012	483
Melting point standards	Set Vanillin (81-83°C) Phenacetin (134-136°C) Caffeine (235-237°C)	3 x 1 g	540013	483
Osmolality Standards	100mOsm/Kg H2O	12 x 5 ml	540301	550
Osmolality Standards	1500mOsm/Kg H2O	12 x 5 ml	540302	550
Osmolality Standards	200mOsm/Kg H2O	12 x 5 ml	540303	550
Osmolality Standards	2000mOsm/Kg H2O	12 x 5 ml	540304	550
Osmolality Standards	290mOsm/Kg H2O	12 x 5 ml	540305	550
Osmolality Standards	300mOsm/Kg H2O	12 x 5 ml	540306	550
Osmolality Standards	400mOsm/Kg H2O	12 x 5 ml	540307	550
Osmolality Standards	500mOsm/Kg H2O	12 x 5 ml	540308	550
Osmolality Standards	850mOsm/Kg H2O	12 x 5 ml	540309	550
Osmolality Standards	900mOsm/Kg H2O	12 x 5 ml	540310	550
Osmolality Standards Protein Based	240mOsm/Kg H2O	12 x 5 ml	540351	550
Osmolality Standards Protein Based	280mOsm/Kg H2O	12 x 5 ml	540352	550
Osmolality Standards Protein Based	320mOsm/Kg H2O	12 x 5 ml	540353	550
Osmolality Standards Urine Based	300mOsm/Kg H2O	12 x 5 ml	540354	550
Osmolality Standards Urine Based	800mOsm/Kg H2O	12 x 5 ml	540355	550
Refractive Index standards	1.34325 at 20°C	15 ml	540101	637
Refractive Index standards	1.34782 at 20°C	15 ml	540102	637
Refractive Index standards	1.35171 at 20°C	15 ml	540103	637
Refractive Index standards	1.37233 at 20°C	15 ml	540104	637
Refractive Index standards	1.38115 at 20°C	15 ml	540105	637
Refractive Index standards	1.40978 at 20°C	15 ml	540106	637
Refractive Index standards	1.42009 at 20°C	15 ml	540107	637
Refractive Index standards	1.44193 at 20°C	15 ml	540108	637
Saybolt Colour Standards	-15	100 ml	540709	644
Saybolt Colour Standards	+0	100 ml	540710	644
Saybolt Colour Standards	+12	100 ml	540711	644
Saybolt Colour Standards	+15	100 ml	540712	644
Saybolt Colour Standards	+19	100 ml	540713	644
Saybolt Colour Standards	+25	100 ml	540714	644
Saybolt Colour Standards	+30	100 ml	540715	644
Viscosity standards	6.7cSt@20°C, 5.8cSt@25°C, 4.2cSt@37.78°C, 4cSt@40°C, 3.2cSt@50°C	500 ml	540801	785
Viscosity standards	14cSt@20°C, 12cSt@25°C, 8cSt@37.78°C, 7.5cSt@40°C, 5.8cSt@50°C	500 ml	540802	785
Viscosity standards	20cSt@20°C, 16cSt@25°C, 11cSt@37.78°C, 10cSt@40°C, 7.5cSt@50°C	500 ml	540803	785
Viscosity standards	30cSt@20°C, 24cSt@25°C, 15cSt@37.78°C, 14cSt@40°C, 10cSt@50°C	500 ml	540804	785
Viscosity standards	88cSt@20°C, 66cSt@25°C, 35cSt@37.78°C, 32cSt@40°C, 21cSt@50°C	500 ml	540805	785
Viscosity standards	160cSt@20°C, 120cSt@25°C, 60cSt@37.78°C, 54cSt@40°C, 35cSt@50°C	500 ml	540806	785
Viscosity standards	790cSt@20°C, 580cSt@25°C, 280cSt@37.78°C, 250cSt@40°C, 160cSt@50°C	500 ml	540807	785
Viscosity standards	3300cSt@20°C, 2300cSt@25°C, 1100cSt@37.78°C, 940cSt@40°C, 560cSt@50°C	500 ml	540808	785

Viscosity standards	19000cSt@20°C, 12000cSt@25°C, 4000cSt@37.78°C, 3400cSt@40°C, 1700cSt@50°C	500 ml	540809	785
Viscosity standards	28000cSt@20°C, 17000cSt@25°C, 6000cSt@37.78°C, 5100cSt@40°C, 2500cSt@50°C	500 ml	540810	785
Viscosity standards	41000cSt@20°C, 25000cSt@25°C, 8000cSt@37.78°C, 6700cSt@40°C, 3200cSt@50°C	500 ml	540811	785


pHMETRY

In industrial sectors as well as scientific analysis and research, the growing need for specific reagents for calibration of pH-meters, pH determination and buffering needs has led CARLO ERBA Reagents to offer the following product lines:

- Buffers in ready-to-use solution: colorless & colored
- Buffers in concentrated solution - Normex vial: colorless & colored
- pH indicators in solution
- pH indicator papers

Buffers in colorless solution, ready-to-use

These solutions are traceable to N.I.S.T and precisely standardized at 20°C, which makes them ideal for solving calibration problems with other solutions and preventing errors due to various factors such as the kind of salt or water used.

Description	Notes	Size	Code	Page
Ammonia buffer solution pH 10		5 l	PS0194/22	165
Ammonia buffer solution pH 10		5 l	PS0194/95	165
Buffer acetate pH 4.5		5 l	PS0784/95	216
Buffer pH 1		500 ml	486211	216
Buffer pH 1.68		500 ml	486751	216
Buffer pH 2		500 ml	486231	217
Buffer pH 3		500 ml	486251	217
Buffer pH 3		1 l	486252	217
Buffer pH 3.56		500 ml	486741	218
Buffer pH 4		500 ml	486271	218
Buffer pH 4		1 l	486273	218
Buffer pH 4		5 l	486274	218
Buffer pH 4		10 l	486276	218
Buffer pH 4.62		500 ml	486841	219
Buffer pH 5		500 ml	486311	219
Buffer pH 6		500 ml	486331	220
Buffer pH 6.88		500 ml	486871	220
Buffer pH 7		500 ml	486451	221
Buffer pH 7		1 l	486453	221
Buffer pH 7		5 l	486454	221
Buffer pH 7		10 l	486456	221
Buffer pH 7		25 l	486455	221
Buffer pH 7.20 Weise		500 ml	486411	221
Buffer pH 8		500 ml	486541	222
Buffer pH 8		1 l	486542	222
Buffer pH 9		500 ml	486591	223
Buffer pH 9		1 l	486593	223
Buffer pH 9		5 l	486594	223
Buffer pH 9.22		500 ml	486881	223
Buffer pH 10		500 ml	486611	224
Buffer pH 10		1 l	486613	224
Buffer pH 10		5 l	486614	224
Buffer pH 10		10 l	486615	224
Buffer pH 11		500 ml	486771	224
Buffer pH 11		1 l	486772	224
Buffer pH 12		500 ml	486691	225
Buffer pH 13		500 ml	486701	225
Buffer pH 13		1 l	486702	225
Phosphate buffer pH 7.4		5 l	524965	575

Phosphate buffer pH 7.4	5 l	PS0740/95	575
Phosphate buffer pH 7.2	2.5 l	525925	575
Phosphate buffer pH 7.2	25 l	525921	575
Phosphate buffer pH 6.8	10 l	524952	575

Buffers in colored solution, ready-to-use

To enable immediate identification of the buffer, the following colored solutions, traceable to N.I.S.T, are available.

Description	Notes	Size	Code	Page
Buffer pH 4	Color: Red	500 ml	486761	218
Buffer pH 4	Color: Red	1 l	486762	218
Buffer pH 7	Color: Green	500 ml	486791	221
Buffer pH 7	Color: Green	1 l	486792	221
Buffer pH 9	Color: Blue	500 ml	PS0427/19	223
Buffer pH 10.06	Color: Blue	500 ml	486811	224
Buffer pH 10.06	Color: Blue	1 l	486812	224

Buffers in colorless solution, NORMEX

Buffers usually consist of a diluted solution of the buffering system.

Given their usually low concentration, long-term storage of these solutions may lead to the development of mold or other inconveniences. To avoid these problems, concentrated buffer solutions packaged in polythene NORMEX vials are available.

With the aid of a 500ml volumetric flask, a funnel and a glass stirrer, each Normex buffer package can be used to prepare 500ml of buffer solution at the desired pH with a maximum error of ± 0.05 pH units. Detailed instructions for use are printed on the package of each individual Normex buffer. The correct preparation procedure provides for the use of boiled distilled water with a recommended preparation temperature of 20°C.

The characteristics of this line are:

- vial specifically designed by CARLO ERBA Reagents to meet the user's needs
- quick and simple preparation of 500ml of solution at a known pH

Description	Notes	Size	Code	Page
Buffer pH 1	To dilute to 500 ml		486221	216
Buffer pH 2	To dilute to 500 ml		486241	217
Buffer pH 3	To dilute to 500 ml		486261	217
Buffer pH 4	To dilute to 500 ml		486281	218
Buffer pH 5	To dilute to 500 ml		486301	219
Buffer pH 6	To dilute to 500 ml		486321	220
Buffer pH 6.8	To dilute to 500 ml		486401	220
Buffer pH 7	To dilute to 500 ml		486421	221
Buffer pH 7.2	To dilute to 500 ml		486441	221
Buffer pH 7.4	To dilute to 500 ml		486461	222
Buffer pH 8	To dilute to 500 ml		486531	222
Buffer pH 9	To dilute to 500 ml		486571	223
Buffer pH 10	To dilute to 500 ml		486601	224
Buffer pH 11	To dilute to 500 ml		486631	224
Buffer pH 12	To dilute to 500 ml		486621	225
Buffer pH 13	To dilute to 500 ml		486641	225

Buffers in colored solution, NORMEX

To enable immediate identification of the buffer, the following colored concentrated buffer solutions packaged in polythene NORMEX vials are available.

The characteristics of this line are:

- vial specifically designed by CARLO ERBA Reagents to meet the user's needs
- quick and simple preparation of 500ml of solution at a known pH

Description	Notes	Size	Code	Page
Buffer pH 4	Color: red - To dilute to 500 mL		486291	219
Buffer pH 7	Color: yellow - To dilute to 500 mL		486431	221
Buffer pH 10.06	Color: blue - To dilute to 500 mL		486581	224

pH indicators in solution

The direct method, i.e., placing the indicator in the solution being analyzed, is the most efficient and thus the most widely adopted method for acid-base titration.

Since the indicator competes with the species being titrated, its use in significant quantities may alter the result of the titration; therefore it is critically important to choose the most appropriate indicator for the type of analysis being performed.

For the determination of pH values in aqueous solutions, universal indicators in solution are available for measurements in a variety of pH ranges. These products are supplied complete with a color scale and detailed instructions for use. The sensitivity of these solutions is higher than that of pH indicator papers.

Description	Notes	Size	Code	Page
Alizarin saturated solution in ethanol		250 ml	E415932	149
Alkali Blue 6B solution 2% in ethanol		250 ml	E428541	150
Bromocresol green 0.04% hydroalcoholic solution		250 ml	E491255	211
Bromocresol purple solution 0.4% in ethanol		250 ml	E470045	212
Bromophenol blue solution 0.4% in ethanol		250 ml	E428665	213
Bromophenol blue solution 0.02%		100 ml	428691	214
Bromothymol blue 0.4% in ethanol		250 ml	E428715	215
Bromothymol blue 0.02%		100 ml	428731	215
o-Cresol Red solution 0.2% in ethanol		250 ml	E476805	283
Crystal violet solution 0.5% in anhydrous acetic acid		500 ml	E491551	284
Indicator universal pH 0-5 hydroalcoholic solution		25 ml	E455661	421
Indicator universal pH 0-5 hydroalcoholic solution		500 ml	E455662	421
Indicator universal pH 1-11 hydroalcoholic solution		25 ml	E455702	421
Indicator universal pH 1-11 hydroalcoholic solution		500 ml	E455706	421
Indicator universal pH 1-11 water solution		25 ml	E455711	422
Indicator universal pH 1-11 water solution		500 ml	E455712	422
Methylene blue solution 1%		500 ml	E429011	499
Methyl Orange solution 0.1%		500 ml	E423562	501
Methyl red solution water/ethanol 0.2%		250 ml	E476915	503
Methyl red solution 0.1% in ethanol		250 ml	E476921	504
Phenol Red solution 0.2% in ethanol		250 ml	E476845	571
Phenolphthalein solution 1% in ethanol		250 ml	451191	572
Phenolphthalein solution 1% in ethanol	Only for italian market	250 ml	E451191	572
Phenolphthalein solution 1% in ethanol		1 l	451192	572
Phenolphthalein solution 1% in ethanol	Only for italian market	1 l	E451192	572
Thymol blue 0.4% in ethanol		250 ml	E429235	757
Thymolphthalein 0.1% hydroalcoholic solution		250 ml	E487755	759
o-Tolidine solution 0.1%		1 l	488461	765
Tropaeolin O solution 0.1%		500 ml	E490056	779

pH paper, litmus and indicator paper in rolls for special uses

Indicator papers represent a convenient and particularly simple instrument for measuring pH.

Indicator papers are actually filter paper impregnated with indicator solutions.

A wide variety of indicator papers are available, allowing the user to select the product most suited to the type of sample being analyzed and the degree of certainty required on the final result.

This is the most basic type of paper and does not require a color scale for pH determination.

This type of test paper provides a relative indication and is useful in determining whether a solution is acid, neutral or basic.

Description	Notes	Size	Code	Page
Congo red paper	Congo red paper, Color change: red --> Blue, Change pH 5.0-->3.0	1 roll	435220000	273
Litmus paper	Blue litmus paper, Color change: blue --> red, change pH 8.0 - 5.0	1 roll	435260000	466
Litmus paper	Neutral litmus paper, Color change: red <-- purple --> Blue, Change pH 5.0 - 8.0	1 roll	435300000	466
Litmus paper	Red litmus paper, Color change: red --> blue, Change pH 5.0 - 8.0	1 roll	435340000	466
Potassium iodide starch paper	Paper starch iodide, Color change: White --> Blue-purple	1 roll	434980000	608

pH paper, high-sensitivity indicator paper in rolls

High-sensitivity test papers cover small pH ranges with a detection range of between 0.2 - 0.5 units, while the attached color scale provides the reference colors.

These test papers are suitable for measuring the pH of unbuffered or weakly buffered solutions.

Description	Notes	Size	Code	Page
Indicator papers	Monochromatic scale, pH range 1.0 - 11.0, Sensitivity 1,0 pH	1 roll	435140000	420
Indicator papers	Monochromatic scale, pH range 1.0 - 14.0, Sensitivity 1,0/2,0 pH	1 roll	435150000	420
Indicator papers	Monochromatic scale, pH range 3.8 - 5.8, Sensitivity 0.2/0.3 pH	1 roll	435161000	420
Indicator papers	Monochromatic scale. pH range 0.5 - 5.5. Sensitivity 0.5 pH	1 roll	435421000	420
Indicator papers	Monochromatic scale. pH range 4.0 - 7.0. Sensitivity 0.3 pH	1 roll	435431000	420
Indicator papers	Monochromatic scale. pH range 6.4 - 8.0. Sensitivity 0.2 pH	1 roll	435441000	420
Indicator papers	Monochromatic scale. pH range 7.2 - 9.7. Sensitivity 0.3 pH	1 roll	435451000	420
Indicator papers	Monochromatic scale. pH range 5.5 - 9.0. Sensitivity 0.5 pH	1 roll	435511000	420

pH paper, in roll three-colored

Three-color test papers have three parallel sections with different colors, formed by three different mixtures of indicators separated by a fine hydrophobic strip to prevent any color migration. The three indicator sections ensure high-precision results that are remarkably easy to read. The reference color chart provides three different color indications for each pH unit.

Description	Notes	Size	Code	Page
Indicator papers	Trichromatic scale, pH range 1.0 - 11.0, Sensitivity 1,0 pH	1 roll	435131000	420

pH paper strips, with built-in color scale

These indicator papers are unique in that they have the color scale provided directly on each strip, usually divided into 8 color notches with the corresponding pH indicated for each.

This allows the user to perform quick and precise pH measurements without the need for an external color guide. These test papers are also suitable for colored solutions or suspensions, since the color of the solution to be analyzed acts in the same manner on the indicator scale as it does on the result of the solution being tested.

An invisible hydrophobic strip placed just above the last color notch on the color scale forms a barrier that prevents the test liquid, which may be corrosive, toxic or otherwise dangerous, from coming into contact with the user's fingers through capillary action.

Description	Notes	Size	Code	Page
Indicator papers	pH range 1.0 - 2.8. Sensitivity 0.2/0.3	100 stripes	435493000	421
Indicator papers	pH range 1.8 - 3.8. Sensitivity 0.2/0.3	100 stripes	435494000	421
Indicator papers	pH range 3.8 - 5.5. Sensitivity 0.2/0.3	100 stripes	435496000	421
Indicator papers	pH range 6.0 - 8.1. Sensitivity 0.2/0.3	100 stripes	435498000	421
Indicator papers	pH range 8.0 - 9.7. Sensitivity 0.2/0.3	100 stripes	435502000	421

pH paper strips, color-fixed

These indicator papers are indelible. This property depends on the chemical bond between the indicator and the cellulose fiber, and it allows the test papers to be used even in highly alkaline solutions.

The strip length allows a wide operating margin, thus preventing contact between the operator's fingers and the solution being analyzed.

Description	Notes	Size	Code	Page
Indicator papers	pH range 0.0 - 14.0, Sensitivity 1.0	100 stripes	435121000	421
Indicator papers	pH range 0.0 - 6.0. Sensitivity 0.5	100 stripes	435642000	421
Indicator papers	pH range 2.0 - 9.0. Sensitivity 0.5	100 stripes	435643000	421
Indicator papers	pH range 4.5 - 10.0. Sensitivity 0.5	100 stripes	435644000	421
Indicator papers	pH range 7.0 - 14.0. Sensitivity 0.3/0.4	100 stripes	435645000	421

Solutions for the electrode conservation

The lifetime of a pH electrode depends on the way it is being maintained and kept. A set of solutions are used to keep electrodes accurate and durable.

Description	Notes	Size	Code	Page
Hydrofluoric acid diluted		250 ml	405775	412
Potassium chloride 3.5 mol/l (3.5N)		250 ml	471225	587
Potassium chloride 3.5 mol/l (3.5N) + silver chloride		250 ml	471245	587
Potassium chloride 3 mol/l (3N)		250 ml	471215	588
Potassium chloride 3 mol/l (3N) water-glycerol solution		250 ml	471275	588
Potassium chloride 3 mol/l (3N) + silver chloride		250 ml	471235	588
Potassium chloride saturated solution		250 ml	471265	590
Potassium chloride solution		250 ml	471285	590
Potassium nitrate 1 mol/l (1N)		250 ml	473045	610



VOLUMETRY

Volumetric titration is a standard analytical technique used specifically for quantitative determination of analytes in solution. Despite the numerous sophisticated instrumental innovations resulting from recent technological developments, the classical volumetric analysis technique has maintained its importance in the area of analytical chemistry.

CARLO ERBA Reagents offers different lines of volumetric solutions to meet the needs of a wide variety of users:

- Ready-to-use solutions
- Concentrated solutions in Normex vial

Volumetric solutions, ready-to-use

For routine analyses, our line of ready-to-use volumetric solutions is ideal for quick and convenient use with guaranteed quality. CARLO ERBA Reagents offers a wide range with exact title of the batch written on the label and certificate of analysis, provided with traceability to S.R.M. from N.I.S.T., a +/- 0.1% precision, where noted.

These solutions are available in both polythene or glass bottles, with ISO 45 bottle mouths which are adaptable to automatic titrators, as well as 10 and 5 liters Kubidos® packages supplied with tap and cap, ideal for excellent storage and dosing of the product.

Kubidos® consists of a cubic box containing a HDPE, a tap and cap ensuring easy flow of the required volume.

With the low volume of product in contact with air, the risks of carbonation of alkaline solutions and microbial contamination are limited.

Description	Notes	Size	Code	Page
Acetic acid 1 mol/l (1N)		5 l	524605	136
Acetic acid 1 mol/l (1N)		1 l	502000	136
Acetic acid 0.1 mol/l (0.1N)		1 l	P3100015	136
Ammonium thiocyanate 1 mol/l (1N)		500 ml	420946	179
Ammonium thiocyanate 0.1 mol/l (0.1N)		1 l	420977	179
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Certified with NIST traceability	1 l	405511000	346
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Certified with NIST traceability	5 l	405513000	346
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Certified with NIST traceability	5 l	405514000	346
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Certified with NIST traceability	10 l	405512000	346
Ethylenediaminetetraacetic acid disodium salt 0.05 mol/l (0.1N)	Certified with NIST traceability	1 l	405501000	347
Ethylenediaminetetraacetic acid disodium salt 0.05 mol/l (0.1N)	Certified with NIST traceability	5 l	405502000	347
Ethylenediaminetetraacetic acid disodium salt 0.01 mol/l (0.02N)	Certified with NIST traceability	1 l	405442000	347
Ethylenediaminetetraacetic acid disodium salt 0.01 mol/l (0.02N)	Certified with NIST traceability	5 l	405443000	347
Hydrochloric acid 2 mol/l (2N)	Certified with NIST traceability	1 l	404067000	403
Hydrochloric acid 2 mol/l (2N)	Certified with NIST traceability	5 l	404062000	403
Hydrochloric acid 2 mol/l (2N)	Certified with NIST traceability	10 l	404061000	403
Hydrochloric acid 1 mol/l (1N)		5 l	528673	404
Hydrochloric acid 1 mol/l (1N)	Certified with NIST traceability	1 l	404097000	404
Hydrochloric acid 1 mol/l (1N)	Certified with NIST traceability	5 l	404092000	404
Hydrochloric acid 1 mol/l (1N)	Certified with NIST traceability	10 l	404091000	404
Hydrochloric acid 0.5 mol/l (0.5N)	Certified with NIST traceability	1 l	404147000	405
Hydrochloric acid 0.5 mol/l (0.5N)	Certified with NIST traceability	5 l	404142000	405
Hydrochloric acid 0.5 mol/l (0.5N)	Certified with NIST traceability	10 l	404141000	405
Hydrochloric acid 0.2 mol/l (0.2N) in propanol-2		1 l	526535	405
Hydrochloric acid 0.1 mol/l (0.1N)	Certified with NIST traceability	1 l	404197000	406
Hydrochloric acid 0.1 mol/l (0.1N)	Certified with NIST traceability	5 l	404192000	406
Hydrochloric acid 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	404191000	406
Hydrochloric acid 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	404195000	406
Hydrochloric acid 0.1 mol/l (0.1N) in propanol-2		1 l	526536	407
Hydrochloric acid 0.05 mol/l (0.05N)		1 l	PS0587/15	407

Hydrochloric acid 0.04 mol/l (0.04N)		10 l	PS0206/41	408
Hydrochloric acid 0.02 mol/l (0.02N)		1 l	PS0342/15	408
Hydrochloric acid 0.02 mol/l (0.02N)		5 l	526537	408
Hydrochloric acid 0.01 mol/l (0.01N)	Certified with NIST traceability	1 l	404267	408
Hydrofluoric acid 0.1 mol/l		1 l	507410	412
Iodine 0.5 mol/l (1N)	Certified with NIST traceability	500 ml	456135000	425
Iodine 0.5 mol/l (1N)	Certified with NIST traceability	1 l	456137000	425
Iodine 0.05 mol/l (0.1N)	Certified with NIST traceability	500 ml	456036000	425
Iodine 0.05 mol/l (0.1N)	Certified with NIST traceability	1 l	456037000	425
Lithium methoxide 0.1 mol/l (0.1N)		500 ml	E458321	464
Nitric acid 2 mol/l (2N)	Certified with NIST traceability	5 l	408185000	533
Nitric acid 1 mol/l (1N)	Certified with NIST traceability	500 ml	408176000	533
Nitric acid 1 mol/l (1N)	Certified with NIST traceability	1 l	408171000	533
Nitric acid 0.1 mol/l (0.1N)	Certified with NIST traceability	500 ml	408206000	533
Oxalic acid 0.5 mol/l (1N)		500 ml	408826	551
Oxalic acid 0.05 mol/l (0.1N)		500 ml	408856	551
Perchloric acid 0.1 mol/l (0.1N) in acetic acid	Certified with NIST traceability	500 ml	409136	562
Perchloric acid 0.1 mol/l (0.1N) in acetic acid	Certified with NIST traceability	1 l	409131	562
Perchloric acid 0.01 mol/l (0.01N)		500 ml	E409141	562
Potassium hydroxide 1 mol/l (1N)	Certified with NIST traceability	1 l	472287000	602
Potassium hydroxide 1 mol/l (1N)	Certified with NIST traceability	5 l	472282000	602
Potassium hydroxide 1 mol/l (1N)	Certified with NIST traceability	10 l	472281000	602
Potassium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	1 l	472337000	602
Potassium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	5 l	472332000	602
Potassium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	10 l	472331000	602
Potassium hydroxide 0.5 mol/l (0.5N) in ethanol	Certified with NIST traceability	1 l	472021000	603
Potassium hydroxide 0.5 mol/l (0.5N) in ethanol	Certified with NIST traceability	1 l	472022000	603
Potassium hydroxide 0.5 mol/l (0.5N) in methanol	Certified with NIST traceability	500 ml	472366000	603
Potassium hydroxide 0.5 mol/l (0.5N) in methanol	Certified with NIST traceability	1 l	472364000	603
Potassium hydroxide 0.5 mol/l (0.5N) in methanol	Certified with NIST traceability	5 l	472367000	603
Potassium hydroxide 0.25 mol/l (0.25N)	Certified with NIST traceability	1 l	472427000	604
Potassium hydroxide 0.25 mol/l (0.25N)	Certified with NIST traceability	5 l	472422000	604
Potassium hydroxide 0.25 mol/l (0.25N)	Certified with NIST traceability	10 l	472421000	604
Potassium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	1 l	472457000	605
Potassium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	5 l	472452000	605
Potassium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	472451000	605
Potassium hydroxide 0.1 mol/l (0.1N) in ethanol	Certified with NIST traceability	1 l	472041000	605
Potassium hydroxide 0.1 mol/l (0.1N) in ethanol	Certified with NIST traceability	1 l	472042000	605
Potassium hydroxide 0.1 mol/l (0.1N) in methanol	Certified with NIST traceability	500 ml	472486000	605
Potassium hydroxide 0.1 mol/l (0.1N) in methanol	Certified with NIST traceability	1 l	472484000	605
Potassium permanganate 0.2 mol/l (1N)	Certified with NIST traceability	1 l	473514000	612
Potassium permanganate 0.02 mol/l (0.1N)	Certified with NIST traceability	1 l	473567000	612
Potassium permanganate 0.02 mol/l (0.1N)	Certified with NIST traceability	5 l	473565000	612
Potassium thiocyanate 0.1 mol/l (0.1N)		1 l	E474417	620
Silver nitrate 1 mol/l (1N)	Certified with NIST traceability	500 ml	424036000	656
Silver nitrate 1 mol/l (1N)	Certified with NIST traceability	1 l	424035000	656
Silver nitrate 0.5 mol/l (0.5N)	Certified with NIST traceability	1 l	424051000	656
Silver nitrate 0.1 mol/l (0.1N)	Certified with NIST traceability	1 l	424067000	657
Silver nitrate 0.1 mol/l (0.1N)	Certified with NIST traceability	5 l	424062000	657
Silver nitrate 0.1 mol/l (0.1N)	Certified with NIST traceability	5 l	424063000	657

Silver nitrate 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	424061000	657
Silver nitrate 0.1 mol/l (0.1N) in 2-propanol		1 l	PS0250/16	657
Silver nitrate 0.05 mol/l (0.05N)	Certified with NIST traceability	1 l	424101000	657
Silver nitrate 0.01 mol/l (0.01N)		1 l	PS0030/15	658
Silver nitrate 0.01 mol/l (0.01N) in propanol-2		1 l	PS0252/16	658
Sodium carbonate 0.5 mol/l (1N)		500 ml	479186	669
Sodium hydroxide 2 mol/l (2N)	Certified with NIST traceability	500 ml	480686000	686
Sodium hydroxide 2 mol/l (2N)	Certified with NIST traceability	1 l	480687000	686
Sodium hydroxide 2 mol/l (2N)	Certified with NIST traceability	5 l	480682000	686
Sodium hydroxide 2 mol/l (2N)	Certified with NIST traceability	10 l	480681000	686
Sodium hydroxide 2 mol/l (2N)	Certified with NIST traceability	20 l	480684000	686
Sodium hydroxide 1 mol/l (1N)	Certified with NIST traceability	1 l	480717000	687
Sodium hydroxide 1 mol/l (1N)	Certified with NIST traceability	5 l	480711000	687
Sodium hydroxide 1 mol/l (1N)	Certified with NIST traceability	5 l	480714000	687
Sodium hydroxide 1 mol/l (1N)	Certified with NIST traceability	10 l	480713000	687
Sodium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	1 l	480777000	688
Sodium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	5 l	480771000	688
Sodium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	10 l	480772000	688
Sodium hydroxide 0.5 mol/l (0.5N)	Certified with NIST traceability	10 l	480773000	688
Sodium hydroxide 0.25 mol/l (0.25N)	Certified with NIST traceability	1 l	480867000	688
Sodium hydroxide 0.25 mol/l (0.25N)	Certified with NIST traceability	5 l	480861000	688
Sodium hydroxide 0.25 mol/l (0.25N)	Certified with NIST traceability	10 l	480862000	688
Sodium hydroxide 0.2 mol/l (0.2N)		1 l	P3440015	689
Sodium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	1 l	480897000	690
Sodium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	5 l	480891000	690
Sodium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	480892000	690
Sodium hydroxide 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	480893000	690
Sodium hydroxide 0.01 mol/l (0.01N)		1 l	PS0215/15	690
Sodium thiosulfate 0.5 mol/l (0.5N)		1 l	P3530015	712
Sodium thiosulfate 0.2 mol/l (0.2N)		5 l	P3520022	712
Sodium thiosulfate 0.1 mol/l (0.1N)	Certified with NIST traceability	1 l	484077000	712
Sodium thiosulfate 0.1 mol/l (0.1N)	Certified with NIST traceability	5 l	484072000	712
Sodium thiosulfate 0.1 mol/l (0.1N)	Certified with NIST traceability	10 l	484071000	712
Sulfuric acid 1 mol/l (2N)	Certified with NIST traceability	1 l	410547000	738
Sulfuric acid 1 mol/l (2N)	Certified with NIST traceability	10 l	410548000	738
Sulfuric acid 0.5 mol/l (1N)	Certified with NIST traceability	1 l	410577000	738
Sulfuric acid 0.5 mol/l (1N)	Certified with NIST traceability	5 l	410572000	738
Sulfuric acid 0.5 mol/l (1N)	Certified with NIST traceability	5 l	410575000	738
Sulfuric acid 0.5 mol/l (1N)	Certified with NIST traceability	10 l	410571000	738
Sulfuric acid 0.25 mol/l (0.5N)	Certified with NIST traceability	1 l	410667000	739
Sulfuric acid 0.25 mol/l (0.5N)	Certified with NIST traceability	5 l	410663000	739
Sulfuric acid 0.25 mol/l (0.5N)	Certified with NIST traceability	10 l	410662000	739
Sulfuric acid 0.125 mol/l (0.25N)		5 l	PS0445/22	740
Sulfuric acid 0.05 mol/l (0.1N)	Certified with NIST traceability	1 l	410717000	741
Sulfuric acid 0.05 mol/l (0.1N)	Certified with NIST traceability	5 l	410712000	741
Sulfuric acid 0.05 mol/l (0.1N)	Certified with NIST traceability	10 l	410711000	741
Sulfuric acid 0.05 mol/l (0.1N)	Certified with NIST traceability	10 l	410715000	741
Sulfuric acid 0.025 mol/l (0.05N)		10 l	PS0016/96	741
Sulfuric acid 0.02 mol/l (0.04N)		1 l	PS0219/15	741
Sulfuric acid 0.02 mol/l (0.04N)		5 l	PS0219/95	741

Sulfuric acid 0.02 mol/l (0.04N)	10 l	PS0219/96	741
Sulfuric acid 0.01 mol/l (0.02N)	1 l	PS0047/15	741
Sulfuric acid 0.005 mol/l (0.01N)	5 l	PS0026/95	742
Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol	500 ml	E487031	749
Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in methanol / propanol-2 (50/50)	1 l	P3840016	750
Zinc sulfate 0.1 mol/l (0.2N)	1 l	494921	803
Zinc sulfate 0.05 mol/l (0.05N)	1 l	494931	803

NORMEX, concentrated volumetric solutions

CARLO ERBA Reagents also offers a series of concentrated volumetric solutions packaged in convenient NORMEX vials. These are ideal for users who would like to prepare solutions immediately before the analysis in a rapid and precise manner. The contents of each vial, brought to a volume of 1000ml with distilled water, allows the user to prepare volumetric solutions at a known concentration with a guaranteed titration factor equal to ± 0.005 .

Description	Notes	Size	Code	Page
Acetic acid 0.1 mol/l (0.1N)	Volume: 55 ml		401561	136
Ammonium thiocyanate 0.1 mol/l (0.1N)	Volume: 55 ml		421001	179
Ammonium thiocyanate 0.01 mol/l (0.01N)	Volume: 55 ml		421061	179
Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	Volume: 165 ml		405421	346
Ethylenediaminetetraacetic acid disodium salt 0.01 mol/l (0.02N)	Volume: 55 ml		405431	347
Hydrochloric acid 1 mol/l (1N)	Volume: 165 ml		404111	404
Hydrochloric acid 0.5 mol/l (0.5N)	Volume: 165 ml		404161	405
Hydrochloric acid 0.1 mol/l (0.1N)	Volume: 55 ml		404211	406
Hydrochloric acid 0.01 mol/l (0.01N)	Volume: 55 ml		404251	408
Iodine 0.05 mol/l (0.1N)	Volume: 60 ml		456051	426
Iodine 0.005 mol/l (0.01N)	Volume: 60 ml		456121	426
Nitric acid 0.1 mol/l (0.1N)	Volume: 55 ml		408231	533
Oxalic acid 0.05 mol/l (0.1N)	Volume: 165 ml		408871	551
Oxalic acid 0.005 mol/l (0.01N)	Volume: 55 ml		408901	551
Potassium bromate 0.0167 mol/l (0.1N)	Volume: 60 ml		470681	585
Potassium dichromate 0.0167 mol/l (0.1N)	Volume: 60 ml		470501	593
Potassium hydroxide 1 mol/l (1N)	Volume: 165 ml		472311	602
Potassium hydroxide 0.5 mol/l (0.5N)	Volume: 55 ml		472391	603
Potassium hydroxide 0.1 mol/l (0.1N)	Volume: 55 ml		472511	605
Potassium iodate 0.0167 mol/l (0.1N)	Volume: 60 ml		472601	606
Potassium iodate 0.00167 mol/l (0.01N)	Volume: 60 ml		472631	607
Potassium permanganate 0.02 mol/l (0.1N)	Volume: 65 ml		473591	612
Potassium permanganate 0.002 mol/l (0.01N)	Volume: 60 ml		473661	613
Silver nitrate 0.1 mol/l (0.1N)	Volume: 60 ml		424081	657
Silver nitrate 0.01 mol/l (0.01N)	Volume: 60 ml		424161	658
Sodium arsenite 0.05 mol/l (0.1N)	Volume: 60 ml		402381	664
Sodium carbonate 0.05 mol/l (0.1N)	Volume: 55 ml		479211	669
Sodium chloride 0.1 mol/l (0.1N)	Volume: 55 ml		479781	672
Sodium hydroxide 1 mol/l (1N)	Volume: 165 ml		480741	687
Sodium hydroxide 0.5 mol/l (0.5N)	Volume: 55 ml		480801	688
Sodium hydroxide 0.1 mol/l (0.1N)	Volume: 55 ml		480921	690
Sodium hydroxide 0.01 mol/l (0.01N)	Volume: 55 ml		481001	690
Sodium thiosulfate 0.1 mol/l (0.1N)	Volume: 55 ml		484121	713
Sodium thiosulfate 0.01 mol/l (0.01N)	Volume: 55 ml		484161	713

Sulfuric acid 0.5 mol/l (1N)	Volume: 165 ml	410591	738
Sulfuric acid 0.25 mol/l (0.5N)	Volume: 55 ml	410681	739
Sulfuric acid 0.05 mol/l (0.1N)	Volume: 55 ml	410731	741
Sulfuric acid 0.005 mol/l (0.01N)	Volume: 55 ml	410791	742



FOOD ANALYSIS

Rigorous control of all the products in the food chain (milk, cereals, meats, fruits and vegetables) has recently become even more important to prevent problems associated with the adulteration of foodstuffs as well as to guarantee that all the necessary elements for a healthy diet are present in the food we eat every day.

Reagents for food analysis: Milk, Olive Oil, Wine & more

In order to offer its customers ready-to-use reagents prepared in compliance with the specifications set forth by international standards and regulations for food analysis, CARLO ERBA Reagents has developed a wide range of products dedicated to the agriculture and food sector.

Description	Notes	Size	Code	Page
Acetic acid 27%		5 l	508645	135
Acetic acid 20%		10 l	PS0237/41	135
Acetone / water 98/2 (v/v) with bromophenol blue 0.02 g/l		5 l	PS0852/29	141
ADF Solution		2.5 l	526625	147
ADF Solution		10 l	526623	147
Amidoschwarz 10B solution		5 l	502050	157
Amidoschwarz 10B solution		10 l	502051	157
n-Amyl alcohol		1 l	413783	180
tert-Amyl alcohol		250 ml	413941	180
tert-Amyl alcohol		1 l	413944	180
Boric acid 4%		5 l	502002	206
Boric acid 4% with indicator		5 l	502601	206
Boric acid 3%		2.5 l	PS0563/21	206
Boric acid 1% with indicator		5 l	502611	207
Boric acid 1% with indicator		10 l	502612	207
Boric acid 20g/l		5 l	PS0703/22	207
Boric acid 20 g/l with indicator		5 l	PS0562/22	207
Boric buffer solution		10 l	PS0226/41	207
Carrez reagent potassium salt		1 l	502711	249
Carrez reagent zinc salt		1 l	502701	249
Fehling's A reagent		500 ml	449926	353
Fehling's A reagent		1 l	449927	353
Fehling's B reagent		500 ml	E449936	353
Fehling's B reagent		1 l	E449937	353
Folin-Ciocalteu's reagent		500 ml	E463562	358
Griess' reagent		1 l	454481	376
Griess' reagent A		500 ml	454452	376
Griess' reagent B		500 ml	454462	376
Hanus's reagent		1 l	E454872	379
Hydrochloric acid 50% v/v		1 l	504571	393
Hydrochloric acid 26%		2.5 l	PS0769/20	398
Hydrochloric acid 20%		5 l	PS0751/29	399
Hydrochloric acid 12%		5 l	PS0347/22	399
Hydrochloric acid 12%		25 l	PS0347/49	399
Hydrochloric acid 10%		10 l	PS0768/41	400
Hydrochloric acid 1.128% m/v		1 l	502761	401
Hydrochloric Acid 9 mol/l (9N)		2.5 l	PS0313/20	401
Hydrochloric acid 6 mol/l (6N)		1 l	502831	401
Hydrochloric acid 6 mol/l (6N)		18 l	502832	401
Hydrochloric acid 6 mol/l (6N)		5 l	528550000	401

Hydrochloric acid 5 mol/l (5N)		1 l	P3160015	402
Hydrochloric acid 5 mol/l (5N)		5 l	P3160095	402
Hydrochloric acid 4 mol/l (4N)		1 l	502010	402
Hydrochloric acid 4 mol/l (4N)		1 l	PS0589/15	402
Hydrochloric acid 4 mol/l (4N)		5 l	PS0589/22	402
Hydrochloric acid 3 mol/l (3N)		1 l	502621	403
Hydrochloric acid 3 mol/l (3N)		2.5 l	502622	403
Hydrochloric acid 3 mol/l (3N)		25 l	502011	403
Hydrochloric acid 0.714 mol/l (N/1.4)		10 l	526531	404
Hydrochloric acid 0.2 mol/l (0.2N)		1 l	502631	405
Hydrochloric acid 0.0714 mol/l (N/14)		10 l	526533	407
Hydrogen peroxide solution 30%		5 l	502044	414
Isoamyl alcohol	With indicator	500 ml	E413903	436
Isoamyl alcohol	Without indicator	1 l	413892	436
Isoamyl alcohol		500 ml	413801	436
Mixture C.H.M.		2.5 l	524411	507
Mixture C.H.M.		5 l	524412	507
Mix Diethyl ether/Ethanol 70/30 w/w		1 l	463251	507
Mix Diethyl ether/Ethanol 70/30 w/w		2.5 l	463255	507
Mix Diethyl ether / Ethanol 95% 50/50(w/w) - 30 mg/l phenolphthaleine		5 l	529371	507
Mix Ethanol absolute/Diethyl ether 50/50 (w/w)		5 l	529311	507
Mix Ethanol absolute/Diethyl ether 50/50 (v/v)		5 l	529381	508
Mixture for checking solderings		5 l	502671	509
NDF Plus solution		25 l	526941	519
NDF Solution		2.5 l	526920	519
NDF Solution		25 l	526921	519
Nessler's reagent single solution		500 ml	464231	520
Nessler's reagent single solution		1 l	464232	520
Nessler's reagent solution A		500 ml	464422	520
Nessler's reagent solution B		500 ml	464432	521
Nitric acid 8 mol/l (8N)		2.5 l	PS0311/20	532
Potassium chromate 5% solution		1 l	502681	591
Potassium hydroxide solution 33%		5 l	PS0766/22	601
Potassium hydroxide 0.46 mol/l (0.46N)		5 l	502212	604
Potassium hydroxide 0.23 mol/l (0.23N)		5 l	502092	604
Reagent for lipolysis		2.5 l	524910	635
Sand of Fontainebleau		1 kg	502064	644
Sand of Fontainebleau		5 kg	502063	644
Sand of Fontainebleau		25 kg	502062	644
Selenic mixture		250 g	463421	646
Selenic mixture		1 kg	463422	646
Sodium chloride 5 mol/l (5N)		1 l	502131	672
Sodium hydroxide solution 50%		10 l	P4540041	680
Sodium hydroxide solution 50%		25 l	P4540049	680
Sodium hydroxide solution 40%		5 l	502721	680
Sodium hydroxide solution 40%		10 l	502722	680
Sodium hydroxide solution 35-37%		5 l	502112	681
Sodium hydroxide solution 35%		1 l	480591	681
Sodium hydroxide solution 35%		25 kg	480593	681

Sodium hydroxide solution 32%	25 kg	524510	681
Sodium hydroxide solution 32%	1 l	480561	681
Sodium hydroxide solution 32%	2.5 l	480566	681
Sodium hydroxide solution 32%	5 l	526521	681
Sodium hydroxide solution 32%	10 l	480564	681
Sodium hydroxide solution 32%	25 kg	480562	681
Sodium hydroxide solution 32%	30 kg	480563	681
Sodium hydroxide solution 30%	5 l	502741	682
Sodium hydroxide solution 30%	1 l	502731	682
Sodium hydroxide solution 20% w/v	10 l	524505	683
Sodium hydroxide solution 20% w/w	1 l	480621	683
Sodium hydroxide solution 20% w/w	30 kg	480622	683
Sodium hydroxide solution 10% w/v	5 l	508615	683
Sodium hydroxide solution 10% w/v	5 l	524506	684
Sodium hydroxide solution 10% w/v	10 l	524507	684
Sodium hydroxide solution 10% w/v	5 l	526642	684
Sodium hydroxide solution 10% w/v	10 l	526641	684
Sodium hydroxide solution 10% w/v	50 l	526644	684
Sodium hydroxide solution 5% w/v	5 l	524502	684
Sodium hydroxide solution 5% w/v	10 l	524501	684
Sodium hydroxide solution 5% w/v	5 l	526632	684
Sodium hydroxide solution 5% w/v	10 l	526634	684
Sodium hydroxide 5 mol/l (5N)	1 l	526513	685
Sodium hydroxide 5 mol/l (5N)	5 l	526512	685
Sodium hydroxide 4 mol/l (4N)	2.5 l	502662	685
Sodium hydroxide 4 mol/l (4N)	10 l	502664	685
Sodium hydroxide 0.7 mol/l (N/1.4)	10 l	526511	687
Sodium hydroxide 0.357 mol/l (0.357N)	Certified with NIST traceability	1 l	480837000
Sodium hydroxide 0.2 mol/l (0.2N)	500 ml	502782	689
Sodium hydroxide 0.2 mol/l (0.2N)	10 l	502781000	689
Sodium thiosulfate 0.0394 mol/l (0.0394N)	2.5 l	484141	713
Sodium thiosulfate 0.0197 mol/l (0.0197N)	2.5 l	484155	713
Sulfuric acid 98%	1 l	410421	730
Sulfuric acid 98%	2.5 l	502641	730
Sulfuric acid 90%	1 l	410391	734
Sulfuric acid 90%	2.5 l	410394	734
Sulfuric acid 85%	1 l	PS0433/15	734
Sulfuric acid 72%	2.5 l	502771	735
Sulfuric acid 69%	2.5 l	PS0893/21	735
Sulfuric acid 62%	2.5 l	PS0894/21	735
Sulfuric acid 50%	1 l	E306702	735
Sulfuric acid 50%	5 l	528541	735
Sulfuric acid 50%	35 kg	E306704	735
Sulfuric acid 30%	1 l	PS0009/15	736
Sulfuric acid 25%	1 l	504562	736
Sulfuric acid 25%	2.5 l	PS0212/21	736
Sulfuric acid 20%	1 l	410511000	736
Sulfuric acid 10% v/v	1 l	502591	737
Sulfuric acid 4 mol/l (8N)	1 l	526741	737
Sulfuric acid 2.5 mol/l (5N)	1 l	P3240015	737

Sulfuric acid 0.33 mol/l (2N/3)	1 l	410634	738
Sulfuric acid 0.26 mol/l (0.52N)	5 l	502202	739
Sulfuric acid 0.166 mol/l (0.333N)	1 l	PS0217/15	739
Sulfuric acid 0.13 mol/l (0.26N)	5 l	502651	740
Sulfuric acid 0.1 mol/l (0.2N)	1 l	502100000	740
Sulfuric acid d=1.820	5 l	502020	743
Wijs' reagent	250 ml	E491901	790
Wijs' reagent	1 l	E491902	790

Kjeldahl, Nitrogen content

For the determination of the nitrogen content using the Kjeldahl method, the following mineralization catalysts are available.

Description	Notes	Size	Code	Page
Kjeldahl antifoam	Composition: Sodium sulfate 0.97 g/Silicone antifoam 0.03 g	1000 x 1 g	502811	449
Kjeldahl catalyst according to Wieninger	Composition: Sodium sulfate 4.88 g/ Copper sulfate 0.07 g/ Selenium 0.05 g	1000 x 5 g	502821	450
Kjeldahl catalyst for water analysis	Composition: Potassium sulfate 5.0 g/Selenium 5 mg	1000 x 5 g	502121	450
Kjeldahl catalyst for water analysis	Composition: Potassium sulfate 5.0 g/Selenium 50 mg	1000 x 5 g	502122	450
Kjeldahl catalyst without selenium and titanium	Composition: Potassium sulfate 3.50 g/Copper sulfate 0.40 g	1000 x 3.9 g	502791	450
Kjeldahl catalyst without selenium and titanium	Composition: Potassium sulfate 5.0 g/Copper sulfate 0.50 g	1000 x 5 g	502792	450
Kjeldahl selenium catalyst	Composition: Potassium sulfate 4.63 g/Copper sulfate 0.28 g/Selenium 0.09g	1000 x 5 g	502120	450
Kjeldahl titanium catalyst	Composition: Potassium sulfate 3.5 g/Copper sulfate 0.105 g/Titane dioxide 0.105 g	1000 x 3.5 g	502123	451
Kjeldahl titanium catalyst	Composition: Potassium sulfate 5.00 g/Copper sulfate 0.15 g/Titane dioxide 0.15 g	500 x 5 g	502802	451



ELECTRONICS

CARLO ERBA Reagents line of products for the electronics industry, is characterized by high chemical purity. As they are subjected to meticulous filtration processes, these solvents guarantee a particulate content less than 250 ppm, for particles with diameters larger than 0.5 micron.

RSE, Special Solvents & Reagents

RSE (Special Reagents for Electronics) for all applications which do not require control of particle content.

Description	Notes	Size	Code	Page
Acetic acid glacial		1 l	401463	131
Acetic acid glacial		2.5 l	401462	131
Acetone		1 l	401051	139
Acetone		2.5 l	401058	139
Acetone		5 l	401054	139
Acetone		5 l	401055	139
Acetone		22 kg	401052	139
Ammonia solution 30%		1 l	420071	160
Ammonia solution 30%		2 l	420073	160
Ammonia solution 30%		5 l	420077	160
Ammonia solution 30%		25 kg	420075	160
Ammonia solution 25%		5 l	420085	162
Ammonia solution 25%		25 kg	420084	162
Dichloromethane		1 l	463162	303
Dichloromethane		2.5 l	463161	303
Ethanol absolute anhydrous	Only for Italian market	1 l	414587	332
Ethanol absolute anhydrous		1 l	4145872	332
Ethanol absolute anhydrous	Only for Italian market	2.5 l	414583	332
Ethanol absolute anhydrous		2.5 l	4145832	332
Ethyl acetate		1 l	448307	342
Ethyl acetate		2.5 l	448308	342
Ethyl acetate		5 l	448306	342
Glycerol (30°Bé)		1 l	453771	372
Glycerol (30°Bé)		2.5 l	453772	372
Hydrochloric acid 37%		1 l	403977	394
Hydrochloric acid 37%		2.5 l	403971	394
Hydrofluoric acid 50%		1 l	405737	410
Hydrogen peroxide solution 30%		1 l	412161	414
Hydrogen peroxide solution 30%		5 l	412162	414
Hydrogen peroxide solution 30%		25 kg	412163	414
Isopar G		2.5 l	526151	440
Methanol		1 l	414917	490
Methanol		2.5 l	414914	490
Nitric acid 69.5%		1 l	408097	528
Nitric acid 69.5%		2.5 l	408098	528
Nitric acid 65%		1 l	408101	531
Nitric acid 65%		2.5 l	408102	531
Nitric acid 18%		1 l	408191	532
Orthophosphoric acid 85%		1 l	406022	548
Orthophosphoric acid 85%		2.5 l	406021	548
Potassium hydroxide, pellets		1 kg	472097	599

Potassium hydroxide solution 45%	5 l	472103	600
Propan-2-ol	1 l	415237	625
Propan-2-ol	2.5 l	415235	625
Propan-2-ol	5 l	415231	625
Propan-2-ol	5 l	415238	625
Propan-2-ol	27 l	415236	625
Propan-2-ol	200 l	415233	625
Sodium hydroxide, pellets	1 kg	480527	679
Sodium hydroxide, pellets	5 kg	480522	679
Sodium hydroxide, pellets	25 kg	480525	679
Sulfuric acid 96%	1 l	410374	731
Sulfuric acid 96%	2.5 l	410371	731
Xylene, mix of isomers	1 l	492358	791
Xylene, mix of isomers	2.5 l	492359	791

MOS (Metal Oxide Semiconductor) Solvents & Reagents

MOS (Metal Oxide Semiconductor) for MOS circuit production processes.

Description	Notes	Size	Code	Page
Acetone		1 l	401042	140
Acetone		2.5 l	401041	140
Ammonia solution 25%		1 l	420051	162
Ammonia solution 25%		2.5 l	420052	162
Hydrochloric acid 37%		1 l	403942	394
Hydrochloric acid 37%		2.5 l	403941	394
Hydrofluoric acid 50%		1 l	405653	410
Hydrogen peroxide solution 30%		1 l	412081	414
Methanol		1 l	414822	491
Methanol		2.5 l	414821	491
Nitric acid 69.5%		1 l	408151	528
Nitric acid 69.5%		2.5 l	408152	528
Propan-2-ol		1 l	415162	625
Propan-2-ol		2.5 l	415161	625
Sulfuric acid 96%		1 l	410382	732
Sulfuric acid 96%		2.5 l	410381	732

VLSI (Very Large Scale Integration) Solvents & Reagents

VLSI (Very Large Scale Integration) for the production of microcircuits using VLSI technology.

Description	Notes	Size	Code	Page
Acetone		1 l	527651	139
Acetone		2.5 l	527650	139
Acetone		5 l	527655	139
Ethanol absolute anhydrous		1 l	527681	332
Ethanol absolute anhydrous		2.5 l	527680	332
Hydrochloric acid 37%		1 l	527601	394
Hydrochloric acid 37%		2.5 l	527600	394
Hydrogen peroxide solution 30%		1 l	527621	414
Hydrogen peroxide solution 30%		2.5 l	527620	414
Methanol		1 l	527641	490
Methanol		2.5 l	527640	490

Nitric acid 69.5%	1 l	527671	528
Nitric acid 69.5%	2.5 l	527670	528
Orthophosphoric acid 85%	1 l	527592	547
Orthophosphoric acid 85%	2.5 l	527591	547
Propan-2-ol	1 l	527696	624
Propan-2-ol	2.5 l	527690	624
Propan-2-ol	30 l	527691	624
Sulfuric acid 96%	1 l	527631	731
Sulfuric acid 96%	2.5 l	527630	731

**HISTOLOGY, HEMATOLOGY AND CYTODIAGNOSTIC**

A wide range of products for the sample preparation in histology, hematology and cytodiagnosis.

Fixing media

CARLO ERBA Reagents offers a wide range of fixatives, in concentrated or ready-to-use diluted form.

Description	Notes	Size	Code	Page
Fixative AFA liquid	60 ml jars filled at 30 ml. Box of 500	480 x 30 ml	508840	354
Fixative AFA liquid	In Vitro Diagnostic Medical Device	1 l	526267	354
Fixative AFA liquid	In Vitro Diagnostic Medical Device	5 l	526263001	354
Fixative Bouin Hollande liquid		1 l	526268	355
Fixative Bouin liquid	In Vitro Diagnostic Medical Device	1 l	526270	355
Fixative Bouin liquid	In Vitro Diagnostic Medical Device	5 l	526261	355
Fixative Bouin liquid	In Vitro Diagnostic Medical Device	25 l	526311	355
Fixative Bouin liquid	In Vitro Diagnostic Medical Device	1 l	429751	355
Fixative Davidson liquid	60 ml jars filled at 30 ml. Box of 500	30 ml	508881	355
Fixative Davidson liquid		5 l	526277	355
Fixative FIXALL-HIS liquid		5 l	526274	356
Fixative liquid without acetic acid		10 l	526264	356
Formaldehyde 37% w/v		1 l	415661	358
Formaldehyde 37% w/v		2.5 l	415666	358
Formaldehyde 37% w/v		5 l	415667	358
Formaldehyde 37% w/v neutralized		1 l	415686	359
Formaldehyde 37% w/v neutralized		5 l	415682	359
Formaldehyde 37% w/v neutralized		10 kg	415683	359
Formaldehyde 37% w/v neutralized		30 kg	415684	359
Formaldehyde 37% w/v neutralized		55 kg	415685	359
Formaldehyde 10% v/v according to Lillie		5 l	526912	360
Formaldehyde 10% v/v according to Lillie		25 l	526911	360
Formaldehyde 5% w/v buffered at pH 6.9		5 l	415674	360
Formaldehyde 5% w/v buffered at pH 6.9		10 l	415672	360
Formaldehyde 4% w/v buffered at pH 6.9	In Vitro Diagnostic Medical Device	1 l	415634	361
Formaldehyde 4% w/v buffered at pH 6.9	In Vitro Diagnostic Medical Device	5 l	415631	361
Formaldehyde 4% w/v buffered at pH 6.9	In Vitro Diagnostic Medical Device	10 l	415633	361
Formaldehyde 4% w/v buffered at pH 6.9	In Vitro Diagnostic Medical Device	20 l	415636	361
Formaldehyde 4% w/v buffered at pH 6.9	60 ml jars filled at 30 ml. Box of 500	30 ml	508861	361
Formaldehyde 4% w/v buffered at pH 6.9	500 ml jars filled at 300 ml. Box of 32	300 ml	508863	361
Formaldehyde 4% w/v buffered at pH 6.9		500 ml	524920	361
Formaldehyde 4% w/v buffered at pH 6.9	1 l jar filled at 800 ml	800 ml	526937	361
Formaldehyde 4% w/v buffered at pH 6.9		1 l	415694	361
Formaldehyde 4% w/v buffered at pH 6.9	5 l bucket filled at 2.5 l	2.5 l	526931	361
Formaldehyde 4% w/v buffered at pH 6.9		5 l	415691	361
Formaldehyde 4% w/v buffered at pH 6.9		5 l	415695	361
Formaldehyde 4% w/v buffered at pH 6.9		5 l	526936	361
Formaldehyde 4% w/v buffered at pH 6.9		10 l	415693	361
Formaldehyde 4% w/v buffered at pH 6.9		10 l	526933	361
Formaldehyde 4% w/v buffered at pH 6.9		20 l	415696	361
Formaldehyde 4% w/v buffered at pH 6.9		30 kg	415692	361
Formaldehyde 4% w/v with sodium chloride		1 l	526934	361
Formaldehyde acetic	60 ml jars filled at 30 ml. Box of 500	480 x 30 ml	508871	362

Formaldehyde acetic	1 l	526231	362
Formaldehyde acetic	5 l	526273	362
Paraformaldehyde	1 kg	387507	556

Solvents for dehydration, de-waxing and diaphanization

Dehydration is obtained by bathing the tissue in an alcoholic series of increasing concentration.

Other solvents can be used instead of alcohols, as long as they mix with water, xylene and paraffins.

Solvent Plus, a mixture of Isoparaffins is widely and efficiently used for diaphanization and deparaffinization as a substitute of xylene.

Histolemon is a natural, non-toxic solvent for histology.

It is used as both a diaphanizing agent and a deparaffinizing agent, and it can replace xylene, toluene and all other solvents used for the same purposes. It is a product of natural origin, citrus-fruit scented, with the following characteristics: totally non-toxic, scarcely volatile, mixable with alcohols, compatible with all kinds of paraffins. It completely solves the problem of toxicity in the workplace.

Description	Notes	Size	Code	Page
Ethanol absolute anhydrous	Only for Italian market	1 l	414601	332
Ethanol absolute anhydrous	Only for Italian market	1 l	414607	332
Ethanol absolute anhydrous		1 l	4146012	332
Ethanol absolute anhydrous		1 l	4146072	332
Ethanol absolute anhydrous	Only for Italian market	2.5 l	414605	332
Ethanol absolute anhydrous	Only for Italian market	2.5 l	414608	332
Ethanol absolute anhydrous		2.5 l	4146052	332
Ethanol absolute anhydrous		2.5 l	4146082	332
Ethanol absolute anhydrous		5 l	414603	332
Ethanol absolute anhydrous		5 l	414606	332
Ethanol absolute anhydrous	Untaxed, for Italian license holders only	5 l	4146032	332
Ethanol absolute anhydrous	Untaxed, for Italian license holders only	5 l	4146062	332
Ethanol absolute anhydrous		10 l	414604	332
Ethanol 96°	Only for Italian market	1 l	414634	335
Ethanol 96°	Only for Italian market	1 l	414637	335
Ethanol 96°		1 l	4146342	335
Ethanol 96°		1 l	4146372	335
Ethanol 96°	Only for Italian market	2.5 l	414631	335
Ethanol 96°	Only for Italian market	2.5 l	414632	335
Ethanol 96°		2.5 l	4146312	335
Ethanol 96°		2.5 l	4146322	335
Ethanol 96°		5 l	414635	335
Ethanol 96°	Untaxed, for Italian license holders only	5 l	4146352	335
Ethanol 96°		10 l	414638	335
Ethanol 70% v/v		2.5 l	308771	337
Ethanol 70% v/v	Untaxed, for Italian license holders only	25 l	3087752	337
Ethanol absolute denaturated		1 l	528761	338
Ethanol absolute denaturated		2.5 l	528765	338
Ethanol absolute denaturated		5 l	528763	338
Ethanol absolute denaturated		5 l	528764	338
Ethanol absolute denaturated		10 l	528766	338
Ethanol absolute denaturated		25 l	528762	338
Ethanol 95° denaturated		1 l	528771	338
Ethanol 95° denaturated		5 l	528775	338
Ethanol 95° denaturated		10 l	528772	338
Ethanol 95° denaturated		25 l	528773	338
Ethanol 95° denaturated		200 l	528774	338
Histolemon		1 l	454911	390

Histolemon		2.5 l	454912	390
Histolemon		5 l	454915	390
Methanol		1 l	414814	491
Methanol		1 l	414819	491
Methanol		2.5 l	414815	491
Methanol		2.5 l	414816	491
Methanol		5 l	524102	491
Methanol		5 l	524103	491
Methanol		10 l	414818	491
Mixture Ethanol 95° / Isopropanol	In Vitro Diagnostic Medical Device	5 l	414551	508
Mixture Ethanol 99° / Isopropanol	In Vitro Diagnostic Medical Device	5 l	414511	508
Propan-1-ol		1 l	415104	622
Propan-1-ol		2.5 l	415102	622
Propan-1-ol		10 l	415108	622
Propan-2-ol		1 l	415154	625
Propan-2-ol		2.5 l	415156	625
Propan-2-ol		2.5 l	415158	625
Propan-2-ol		5 l	415173	625
Propan-2-ol		5 l	529174	625
Propan-2-ol		10 l	415153	625
Solvent Plus		2.5 l	446187	714
Solvent Plus		5 l	446181	714
Tetrahydrofuran		1 l	487308	752
Tetrahydrofuran		2.5 l	487303	752
Tetrahydrofuran		5 l	487305	752
Tetrahydrofuran		5 l	487307	752
Toluene		1 l	488551	767
Toluene		2.5 l	488555	767
Toluene		5 l	488552	767
Water		1 l	307592	788
Water		2.5 l	307593	788
Water		5 l	307582	788
Water		10 l	307586	788
Xylene, mix of isomers		1 l	492301	791
Xylene, mix of isomers		2.5 l	492306	791
Xylene, mix of isomers		5 l	492305	791

Embedding media

CARLO ERBA Reagents paraffins, in addition to possessing the typical properties required of an inclusion medium, offer the advantages of being highly purified and filtered, with a melting point between 56 and 58°C.

In order to optimize the infiltration times and guarantee better preparation of the sample, paraffin is available without DMSO additive.

Description	Notes	Size	Code	Page
Paraffin 56-58°C - Erbaplast (without DMSO)	In Vitro Diagnostic Medical Device	4 x 2 kg	467958	555

Reagents and staining solutions

Ready-to-use staining solutions produce bright and well-contrasted colors.

Ideal for easy microscope readings, they allow valid results to be obtained with shorter staining times and greater certainty.

Solutions for Papanicolaou staining are especially suited for laboratory use in cytological diagnostics, thanks to their quality and reproducibility characteristics: bright and contrasted colors, high staining capacity, short staining time, long solution life, reproducibility of the colors, and perfect long-term preservation of the stained sections.

Panoptic staining achieved with Giemsa and May Grünwald reagents provides a greater body of information with a single staining. Indeed, blood smear staining allows the diagnosis of all pathologies related to malformations of red and white blood cells as well as distribution

imbalances of the different kinds of white blood cells.

Description	Notes	Size	Code	Page
Alcian Blue 8GS 1%		250 ml	428551	148
Amman's lactophenol solution		100 ml	457531	160
Benedict's reagent		1 l	E425742	197
Carbolated Methylene Blue hydroalcoholic solution		100 ml	428991	248
Carbolated Toluidine Blue hydroalcoholic solution		100 ml	429291	248
Crystal violet oxalate for Gram-Hucker Kit	In Vitro Diagnostic Medical Device	250 ml	491561	284
Decalcifying agent	In Vitro Diagnostic Medical Device	1 l	441221	290
Differentiator for kit Gram-Hucker	In Vitro Diagnostic Medical Device	250 ml	444131	311
Ehrlich's reagent		500 ml	E446302	327
Eosin Y 1% solution acqueous	In Vitro Diagnostic Medical Device	1 l	446644	328
Eosin Y 0.5% solution alcoholic	In Vitro Diagnostic Medical Device	1 l	446664	329
Esbach's reagent		1 l	446981	330
Gentian violet carbolated solution	Dye for microscopy (bacteriology) according to GRAM	250 ml	E491651	368
Gentian violet carbolated solution	Dye for microscopy (bacteriology) according to NICOLLE	250 ml	E491661	368
Giemsa's reagent	In Vitro Diagnostic Medical Device	100 ml	453614	369
Giemsa's reagent	In Vitro Diagnostic Medical Device	6 x 100 ml	E453612	369
Giemsa's reagent	In Vitro Diagnostic Medical Device	500 ml	453616	369
Giemsa's reagent	In Vitro Diagnostic Medical Device	6 x 500 ml	E453613	369
Giemsa's reagent	In Vitro Diagnostic Medical Device	2.5 l	453611	369
Giemsa's reagent	In Vitro Diagnostic Medical Device	4 x 2.5 l	E453615	369
Gram - Hucker Kit	In Vitro Diagnostic Medical Device	4 x 250 ml	454441	376
Haemalum solution according to Carazzi	In Vitro Diagnostic Medical Device	250 ml	434351	378
Haemalum solution according to Mayer	In Vitro Diagnostic Medical Device	1 l	446372	378
Haemalum solution according to Mayer	In Vitro Diagnostic Medical Device	1 l	446377	378
Hematoxylin solution according to Mayer	In Vitro Diagnostic Medical Device	100 ml	460511	379
Hematoxylin solution according to Mayer	In Vitro Diagnostic Medical Device	6 x 100 ml	460512	379
Hematoxylin solution according to Mayer	In Vitro Diagnostic Medical Device	1 l	460513	379
Hematoxylin solution according to Mayer	In Vitro Diagnostic Medical Device	6 x 1 l	460515	379
Lactophenol blue solution	In Vitro Diagnostic Medical Device	100 ml	428901	452
Lugol concentrated solution		1 l	458741	466
Lugol solution for Gram-Hucker kit	In Vitro Diagnostic Medical Device	250 ml	458751	466
Lugol's Reagent Iodine-Iodide Solution	Medical Device	250 ml	458762	466
Lugol's Reagent Iodine-Iodide Solution	Medical Device	6 x 250 ml	E458761	466
Lugol's Reagent Iodine-Iodide Solution	Medical Device	1 l	458763	466
May Grünwald reagent	In Vitro Diagnostic Medical Device	100 ml	460584	482
May Grünwald reagent	In Vitro Diagnostic Medical Device	6 x 100 ml	E460582	482
May Grünwald reagent	In Vitro Diagnostic Medical Device	500 ml	460586	482
May Grünwald reagent	In Vitro Diagnostic Medical Device	6 x 500 ml	E460583	482
May Grünwald reagent	In Vitro Diagnostic Medical Device	2.5 l	460581	482
May Grünwald reagent	In Vitro Diagnostic Medical Device	4 x 2.5 l	E460585	482
Mayer's reagent		500 ml	460502	482
Methylene blue saturated solution		250 ml	E429031	498
Papanicolaou Haematoxylin solution according to Harris	In Vitro Diagnostic Medical Device	500 ml	446462	554
Papanicolaou Haematoxylin solution according to Harris	In Vitro Diagnostic Medical Device	6 x 500 ml	446464	554

Papanicolaou Haematoxylin solution according to Harris	In Vitro Diagnostic Medical Device	1 l	446461	554
Papanicolaou Haematoxylin solution according to Harris	In Vitro Diagnostic Medical Device	6 x 1 l	446465	554
Papanicolaou Haematoxylin solution according to Harris	In Vitro Diagnostic Medical Device	2.5 l	446463	554
Papanicolaou Haematoxylin solution according to Harris	In Vitro Diagnostic Medical Device	4 x 2.5 l	446466	554
Papanicolaou solution EA 50	In Vitro Diagnostic Medical Device	500 ml	467782	554
Papanicolaou solution EA 50	In Vitro Diagnostic Medical Device	6 x 500 ml	E467784	554
Papanicolaou solution EA 50	In Vitro Diagnostic Medical Device	1 l	467781	554
Papanicolaou solution EA 50	In Vitro Diagnostic Medical Device	6 x 1 l	E467785	554
Papanicolaou solution EA 50	In Vitro Diagnostic Medical Device	2.5 l	467783	554
Papanicolaou solution EA 50	In Vitro Diagnostic Medical Device	4 x 2.5 l	E467786	554
Papanicolaou solution OG 6	In Vitro Diagnostic Medical Device	500 ml	467792	555
Papanicolaou solution OG 6	In Vitro Diagnostic Medical Device	6 x 500 ml	E467794	555
Papanicolaou solution OG 6	In Vitro Diagnostic Medical Device	1 l	467791	555
Papanicolaou solution OG 6	In Vitro Diagnostic Medical Device	6 x 1 l	E467795	555
Papanicolaou solution OG 6	In Vitro Diagnostic Medical Device	2.5 l	467793	555
Papanicolaou solution OG 6	In Vitro Diagnostic Medical Device	4 x 2.5 l	E467796	555
Safranin T hydroalcoholic solution for Gram-Hucker Kit	In Vitro Diagnostic Medical Device	250 ml	477241	642
Schiff's reagent for PAS coloration	In Vitro Diagnostic Medical Device	500 ml	477591	646
Schiff's reagent for PAS coloration	In Vitro Diagnostic Medical Device	6 x 500 ml	477592	646
Tauber reagent		500 ml	490422	746
Turk's reagent	In Vitro Diagnostic Medical Device	500 ml	E490451	780
Wright's stain solution in methanol	In Vitro Diagnostic Medical Device	100 ml	492011	790
Ziehl-Neelsen's reagent	In Vitro Diagnostic Medical Device	250 ml	493101	796
Ziehl-Neelsen's reagent	In Vitro Diagnostic Medical Device	1 l	493102	796

Dyes

To aid identification of the finest details of cellular structures, very pure products must be used. For this purpose the CARLO ERBA Reagents dyes in powder, in addition to possessing such characteristics, are also classified and certified through the combined use of TLC and UV-Visible spectrophotometry.

Description	Notes	Size	Code	Page
Alcian blue 8GX		25 g	428561	149
Alkali blue 6B		25 g	428532	150
Aniline blue soluble in water		25 g	428582	180
Azure II		5 g	424721	189
Azure II eosin		5 g	424731	190
Bismarck brown R		25 g	431252	201
Biuret 97%		25 g	428432	205
Brillant cresyl blue		10 g	428811	208
Brillant cresyl blue		25 g	428812	208
Brilliant green		25 g	491152	209
Chrysoidine Y		25 g	440572	268
Congo red		25 g	476762	273
Congo red		100 g	476764	273
Coomassie brilliant blue R 250		25 g	428642	274
Eosin B		25 g	446602	328
Eosin Y		25 g	446632	328
Eosin Y		100 g	446634	328

Erythrosin extra B	25 g	446972	330
Erythrosin extra B	100 g	446971	330
Fast green FCF	25 g	491391	353
Fuchsin acid	25 g	452812	364
Fuchsin acid	100 g	452814	364
Fuchsin basic	25 g	452842	365
Fuchsin basic	100 g	452844	365
Gentian violet	25 g	388703	368
Gentian violet	50 g	388701	368
Gold(III) chloride trihydrate	1 g	467007	375
Hematoxylin	25 g	446472	379
Hematoxylin	100 g	446473	379
Hematoxylin	1 kg	446475	379
Light green	10 g	491371	461
Light green	25 g	491372	461
Malachite green	25 g	491303	476
Malachite green	100 g	491304	476
Methyl blue	25 g	428932	497
Methyl green	10 g	491351	499
Methyl green	25 g	491352	499
Naphthol yellow S	25 g	453562	518
Neutral red	10 g	476951	521
Nigrosine	25 g	464852	525
Nigrosine	50 g	464853	525
Nuclear fast red	10 g	477011	536
Nuclear fast red	25 g	477012	536
Orange G	25 g	423432	539
Orange II	10 g	423341	539
Orcein	5 g	466858	540
Orcein	25 g	466859	540
Phloxin B	10 g	452051	574
Phloxin B	25 g	452052	574
Ponceau red BS	10 g	476941	581
Ponceau red S	5 g	476981	581
Ponceau red S	25 g	476982	581
Rosolic acid	25 g	409702	640
Safranin T	25 g	477232	642
Sudan black B	25 g	464241	726
Sudan III	25 g	485902	726
Sudan yellow	10 g	453581	727
Tartrazine	50 g	486903	746
Toluidine blue	25 g	429282	769
Victoria blue	10 g	429381	785
Victoria blue	25 g	429382	785

Mounting media

Mounting media of natural or synthetic origin in various solvents, depending on the specific needs of the users, with all the typical characteristics required of common mounting media.

Description	Notes	Size	Code	Page
Canada balsam		100 g	321553	247
Canada balsam		250 g	321554	247
Eukitt		100 ml	554194	351
Eukitt		250 ml	554193	351
Eukitt		500 ml	554192	351
Oil of cedar wood		100 ml	466753	538
Oil of cedar wood		1 l	466757	538

Immersion media

An especially useful range of products for optical microscopy.

Description	Notes	Size	Code	Page
Immersion oil		100 ml	466782	420
Immersion oil		1 l	466783	420



Anhydrous solvents

In analytical and synthetic chemistry many operations must take place in an anhydrous environment in order to prevent alterations, the occurrence of side reactions and a reduced yield. For this purpose, high-quality solvents with minimum water content must be used. CARLO ERBA Reagents anhydrous solvents eliminate the time-consuming need for anhydrication of the solvents while ensuring results that are certain and reliable over time. These solvents are the result of specific production processes, optimized and controlled to obtain the highest degree of purity and minimum water content. The packaging materials used are ideal for preserving product quality, and the products are available in various sizes, in septum bottles or glass bottles.

Description	Notes	Size	Code	Page
Acetone		200 ml	P0051010	139
Acetone		1 l	P0051016	139
Acetonitrile		200 ml	P0061010	144
Acetonitrile	Water content < 50 ppm	200 ml	P00610S10	144
Acetonitrile		1 l	P0061016	144
Acetonitrile	Water content < 50 ppm	1 l	P00610S16	144
Acetonitrile		2.5 l	P0061021	144
Acetonitrile	Water content < 50 ppm	2.5 l	P00610S21	144
Butanol-1		200 ml	P0171010	226
Butanol-1		1 l	P0171016	226
tert-Butanol		1 l	P0191016	227
n-Butyl acetate		1 l	P0011016	228
n-Butyl acetate		2.5 l	P0011021	228
tert-Butylmethylether		1 l	P0921016	231
Chloroform		200 ml	P02410A10	261
Chloroform		1 l	P02410A16	261
Chloroform		2.5 l	P02410A21	261
Chloroform		200 ml	P02410E10	261
Chloroform		2.5 l	P02410E21	261
Cyclohexane		200 ml	P0251010	286
Cyclohexane		1 l	P0251016	286
1,2-Dichloroethane		200 ml	P0281010	299
1,2-Dichloroethane		1 l	P0281016	299
1,2-Dichloroethane		2.5 l	P0281021	299
Dichloromethane, stab. with Amylene		200 ml	P02910A10	302
Dichloromethane, stab. with Amylene		1 l	P02910A16	302
Dichloromethane, stab. with Amylene		2.5 l	P02910A21	302
Dichloromethane, stab. with Ethanol		200 ml	P02910E10	302
Dichloromethane, stab. with Ethanol		1 l	P02910E16	302
Dichloromethane, stab. with Ethanol		2.5 l	P02910E21	302
Diethyl ether		200 ml	P0441010	309
Diethyl ether		1 l	P0441008	309
Diethyl ether		1 l	P0441016	309
Diethyl ether		2.5 l	P0441021	309
Diisopropylether		1 l	P0431016	312
N,N-Dimethylformamide		200 ml	P0341010	315
N,N-Dimethylformamide		1 l	P0341016	315
N,N-Dimethylformamide		2.5 l	P0341021	315
1,4-Dioxane		200 ml	P0361010	321
1,4-Dioxane		1 l	P0361016	321

1,4-Dioxane	2.5 l	P0361021	321
Ethanol absolute anhydrous	200 ml	P013A1010	331
Ethanol absolute anhydrous	1 l	P013A1016	331
Ethanol absolute anhydrous	2.5 l	P013A1021	331
Ethyl acetate	200 ml	P0021010	341
Ethyl acetate	1 l	P0021016	341
Ethyl acetate	2.5 l	P0021021	341
Ethyl methyl ketone	1 l	P0201016	350
Formamide	200 ml	P6151010	362
n-Heptane 99%	1 l	P0501016	381
n-Heptane 99%	2.5 l	P0501021	381
n-Hexane	1 l	P0521016	387
Isobutanol	1 l	P0531016	437
Isopentane	1 l	P0651016	441
Methanol	200 ml	P0931010	490
Methanol	1 l	P0931016	490
Methanol	2.5 l	P0931021	490
Methylcyclohexane	1 l	P0581016	497
Methyl isobutyl ketone	1 l	P0601016	500
N-Methyl-2-pyrrolidone	200 ml	P0871010	502
n-Pentane	1 l	P0641016	559
Propan-1-ol	1 l	P0941016	622
Propan-1-ol	2.5 l	P0941021	622
Propan-2-ol	200 ml	P0951010	624
Propan-2-ol	1 l	P0951016	624
Pyridine	200 ml	P0671010	630
Pyridine	1 l	P0671016	630
Pyridine	2.5 l	P0671021	630
Sulfolane	1 l	P932SP16	729
Tetrahydrofuran	200 ml	P0701010	752
Tetrahydrofuran	1 l	P0701016	752
Tetrahydrofuran	2.5 l	P0701021	752
Toluene	200 ml	P0711010	766
Toluene	1 l	P0711016	766
Toluene	2.5 l	P0711021	766

Anhydrous solvents, with molecular sieves

To improve prevention of contamination from external humidity, these solvents are supplied with molecular sieves.

Description	Notes	Size	Code	Page
Acetonitrile	On molecular sieves 3A	200 ml	P00610T10	144
Chloroform	On molecular sieves 4A	2.5 l	P02410AT21	261
Dichloromethane	On molecular sieves 4A	200 ml	P02910AT10	302
Dichloromethane	On molecular sieves 4A	1 l	P02910AT16	302
Diethyl ether	On molecular sieves 4A, Water content < 20ppm	200 ml	P04410T10	309
Diethyl ether	On molecular sieves 4A, Water content < 20ppm	1 l	P04410T16	309
N,N-Dimethylformamide	On molecular sieves 4A	200 ml	P03410T10	315
N,N-Dimethylformamide	On molecular sieves 4A	1 l	P03410T16	315

Ethyl acetate	On molecular sieves 4A, Water content < 20ppm	2.5 l	P00210T21	341
Tetrahydrofuran	On molecular sieves 4A	200 ml	P07010T10	752
Tetrahydrofuran	On molecular sieves 4A	1 l	P07010T16	752
Toluene	On molecular sieves 4A	200 ml	P07110T10	766

**NMR SPECTROSCOPY**

To meet the various needs of NMR spectroscopy, CARLO ERBA Reagents offers a wide range of deuterated solvents, characterized by high production standards resulting from the use of spectroscopically pure raw materials and accurate analyses and controls in line with our long tradition of quality.

Our solvents are available with various degrees of isotopic purity and a vast assortment of packages, with an attention to detail that complements the overall reliability and safety guaranteed by our products.

NMR solvents

The choice of deuterated solvents is very important in NMR spectroscopy.

These solvents contribute to shielding the substance they dissolve, as well as making a significant contribution to expanding the electric reaction field generated by the solvent as a result of the polarization produced by the molecules in the solute.

To meet the varied needs of this sophisticated analytical technique, CARLO ERBA Reagents offers a wide range of deuterated solvents, characterized by high production standards resulting from the use of spectroscopically pure raw materials and accurate analyses and controls in line with our long tradition of quality.

Our solvents are available in various degrees of isotopic purity and a vast assortment of packages, with an attention to detail that complements the overall reliability and safety guaranteed by the products.

Description	Notes	Size	Code	Page
Acetic acid-d4		10 x 0.75 ml	P5039	137
Acetone-d6		10 x 0.6 ml	P5060	141
Acetone-d6		10 x 0.75 ml	P5049	141
Acetone-d6		10 ml	P5044A	141
Acetone-d6		25 ml	P5045	141
Acetone-d6		100 ml	P5046	141
Acetonitrile-d3		2 x 0.6 ml	P5070	145
Acetonitrile-d3		10 x 0.75 ml	P5079	145
Acetonitrile-d3		5 ml	P5073A	145
Benzene-d6		10 x 0.75 ml	P5089	198
Benzene-d6		25 ml	P5085	198
Benzene-d6		100 ml	P5086	198
Chloroform-d		10 x 0.6 ml	P5130	263
Chloroform-d		100 ml	P5505	263
Chloroform-d		10 x 0.75 ml	P5119	263
Chloroform-d		25 ml	P5115	263
Chloroform-d		100 ml	P5116	263
Chloroform-d		500 ml	P5117	263
Chloroform-d		1 l	P5118	263
Chloroform-d		100 ml	P5325	263
Chloroform-d + 0.03% TMS		100 ml	P5006	263
Cyclohexane-d12		2 x 0.5 ml	P5151A	287
Deuterium oxide-d2		10 x 0.75 ml	P5179	293
Deuterium oxide-d2		25 ml	P5175	293
Deuterium oxide-d2		10 x 0.75 ml	P5169	293
Deuterium oxide-d2		5 x 10 ml	P5164	293
Deuterium oxide-d2		25 ml	P5165	293
Deuterium oxide-d2		25 ml	P5165S	293
Deuterium oxide-d2		100 ml	P5166	293
Deuterium oxide-d2		1 l	P5168	293
Deuterium oxide-d2 + 0.01% DMSO		10 x 0.6 ml	P5170D	294
Deuterium oxide-d2 + 0.5% TSP d4		10 x 0.6 ml	P5161T	294
Deuterium oxide-d2 + 0.03% TSP d4		10 x 0.6 ml	P5160T	294
1,2-Dichlorobenzene-d4		5 ml	P5533A	299
Dichloromethane-d2		10 x 0.6 ml	P5330	305

Dichloromethane-d2	10 x 0.75 ml	P5339	305
Dichloromethane-d2	25 ml	P5335	305
N,N-Dimethylformamide-d7	2 x 0.75 ml	P5189A	316
Dimethylsulphoxide-d6	10 x 0.6 ml	P5220	319
Dimethylsulphoxide-d6	10 x 0.75 ml	P5229	319
Dimethylsulphoxide-d6	10 x 0.6 ml	P5200	319
Dimethylsulphoxide-d6	10 x 0.75 ml	P5209	319
Dimethylsulphoxide-d6	10 ml	P5204A	319
Dimethylsulphoxide-d6	5 x 10 ml	P5204S	319
Dimethylsulphoxide-d6	25 ml	P5205	319
Dimethylsulphoxide-d6	100 ml	P5206	319
Dimethylsulphoxide-d6 + 0.03% TMS	10 x 0.75 ml	P5541	319
Dimethylsulphoxide-d6 + 0.03% TMS	25 ml	P5545	319
Dimethylsulphoxide-d6 + 0.03% TMS	10 x 0.6 ml	P5602	320
Dimethylsulphoxide-d6 + 0.03% TMS	25 ml	P5605	320
Ethanol-d6 anhydrous	2 x 1 ml	P5262A	340
Formic acid-d	5 ml	P5733	364
Hydrochloric acid-d 20%	25 ml	P5685	409
Hydrochloric acid-d 1 mol/l	25 ml	P5695	409
Methanol-d4	10 x 0.6 ml	P5310	493
Methanol-d4	10 x 0.75 ml	P5319	493
Methanol-d4	10 x 0.6 ml	P5280	493
Methanol-d4	10 x 0.75 ml	P5289	493
Methanol-d4	5 ml	P5283A	493
Methanol-d4	5 x 10 ml	P5284	493
Methanol-d4	5 x 10 ml	P5284S	493
Methanol-d4	25 ml	P5285	493
Methanol-d4 + 0.03% TMS	10 x 0.6 ml	P5140	494
Methanol-d3	10 x 0.75 ml	P5309	494
Methanol-d1	25 ml	P5275	494
Orthophosphoric acid-d3 85% in D2O	25 ml	P5055	549
Pyridine-d5	2 x 0.6 ml	P5370	631
Pyridine-d5	2 x 0.75 ml	P5369A	631
Pyridine-d5	10 ml	P5364A	631
Sodium hydroxide-d 1 30%	25 ml	P5675	691
Sodium hydroxide-d 1 mol/l	25 ml	P5665	691
Tetrachloroethane-d2	25 ml	P5435	751
Tetrahydrofuran-d8	2 x 0.6 ml	P5380	753
Tetrahydrofuran-d8	25 ml	P5385	753
Toluene-d8	2 x 0.75 ml	P5399A	768
Toluene-d8	5 ml	P5393A	768
Toluene-d8	25 ml	P5395	768
Trifluoroacetic acid-d	2 x 0.75 ml	P5419A	774
Trifluoroacetic acid-d	5 ml	P5413A	774



UV SPECTROSCOPY

In molecular structure research and equilibrium studies, as well as studies on kinetics and steric effects, it is important to use solvents with high UV transmittance which contain no interfering substances absorbent in the IR spectral band and are suited for fluorescence analysis.

SPECTROSOL® Solvents for optical spectroscopy

CARLO ERBA Reagents offers a line of special solvents for spectroscopy. These are high-purity products obtained through specific production processes, controlled and packaged in order to adequately meet the needs of modern ultraviolet, infrared and fluorescence analytical techniques.

Description	Notes	Size	Code	Page
Acetone		1 l	401034	139
Acetone		2.5 l	401032	139
Acetonitrile		1 l	401216	143
Acetonitrile		2.5 l	401212	143
tert-Butylmethylether		1 l	432001	230
tert-Butylmethylether		2.5 l	432002	230
Chloroform, stab. with Amylene		1 l	438591	260
Chloroform, stab. with Amylene		2.5 l	438592	260
Chloroform, stab. with Ethanol		1 l	438664	261
Chloroform, stab. with Ethanol		2.5 l	438662	261
Cyclohexane		1 l	436967	286
Cyclohexane		2.5 l	436963	286
1,2-Dichloroethane		1 l	P0282716	299
Dichloromethane, stab. with Amylene		1 l	442371	302
Dichloromethane, stab. with Amylene		2.5 l	P02927A21	302
Dichloromethane, stab. with Ethanol		1 l	463025	302
Diethyl ether		1 l	447593	308
N,N-Dimethylformamide		1 l	444957	315
N,N-Dimethylformamide		2.5 l	444956	315
Dimethylsulphoxide		1 l	445112	318
Dimethylsulphoxide		2.5 l	445111	318
Ethanol absolute anhydrous	Only for Italian market	1 l	414677	331
Ethanol absolute anhydrous		1 l	4146772	331
Ethanol 96°	Only for Italian market	1 l	414667	334
Ethanol 96°		1 l	4146672	334
Ethyl acetate		1 l	448271	341
Ethyl acetate		2.5 l	448272	341
n-Heptane 99%		1 l	446824	380
n-Heptane 99%		2.5 l	P0502721	380
n-Hexane 99%		1 l	447051	385
n-Hexane 99%		2.5 l	447052	385
n-Hexane		1 l	446934	387
n-Hexane		2.5 l	446932	387
Isooctane		1 l	456754	439
Isooctane		2.5 l	456753	439
Methanol		1 l	414902	490
Methanol		2.5 l	414903	490
Methylcyclohexane		1 l	P0582716	497
Paraffin oil		100 ml	466792	555
n-Pentane 99%		1 l	468142	557
n-Pentane 99%		2.5 l	468141	557

Potassium bromide	100 g	470701	585
Propan-2-ol	1 l	415213	624
Propan-2-ol	2.5 l	P0952721	624
Tetrachloroethylene	1 l	P0682716	750
Tetrachloroethylene	2.5 l	P0682721	750
Tetrahydrofuran	1 l	487345	752
Tetrahydrofuran	2.5 l	487346	752
Toluene	1 l	488601	766
Toluene	2.5 l	488602	766
1,2,4-Trichlorobenzene	2.5 l	P0722721	771
Trifluoroacetic acid	1 l	P0082746	773
Trifluoroacetic acid	2.5 l	P0082747	773

**PEPTIDE SYNTHESIS**

CARLO ERBA Reagents propose a specific range of the most commonly used solvents for peptide and/or DNA synthesis. These solvents are tested specifically to guarantee the absence of amines.

Solvents for Peptides Synthesis

Description	Notes	Size	Code	Page
Acetonitrile		200 ml	P0063510	144
Acetonitrile		1 l	P0063516	144
Acetonitrile		2.5 l	P0063521	144
N,N-Dimethylformamide		1 l	P0343516	316
N,N-Dimethylformamide		2.5 l	P0343521	316
N,N-Dimethylformamide		5 l	P0343522	316
N,N-Dimethylformamide		10 l	P0343541	316
N,N-Dimethylformamide		25 l	P0343549	316
N,N-Dimethylformamide		25 l	P0343550	316
N,N-Dimethylformamide		200 l	P0343567	316
N-Methyl-2-pyrrolidone		1 l	P0873516	502
N-Methyl-2-pyrrolidone		2.5 l	P0873521	502
N-Methyl-2-pyrrolidone		10 l	P0873541	502
N-Methyl-2-pyrrolidone		25 l	P0873549	502
N-Methyl-2-pyrrolidone		200 l	P0873566	502
Piperidine		500 ml	P0663518	580
Piperidine		1 l	P0663516	580
Piperidine		2.5 l	P0663521	580
Pyridine		1 l	P0673516	630
Pyridine		2.5 l	P0673521	630
Trifluoroacetic acid		100 ml	P0082103	773
Trifluoroacetic acid		2.5 l	P0082147	773



GREEN CHEMISTRY

Growing awareness of the environmental consequences of chemical products and the processes by which they are produced has led to the development of the concept of "Sustainable (Green) Chemistry" in the United States during the early nineties. The definition given by its founder, Paul T. Anastas, is the following:

"Green Chemistry is the utilization of a set of principles that reduces or eliminates the use and generation of hazardous substances in the design, manufacture and application of chemical products."

It is based on 12 principles, which take into consideration the environmental, economic and safety aspects of chemistry.

Green solvents

In the interest of Green Chemistry, CARLO ERBA Reagents offers the following Green Solvents.

Description	Notes	Size	Code	Page
Cyclopentyl methyl ether		1 l	P8010216	289
Cyclopentyl methyl ether		5 l	P8010229	289
N,N'-Dimethylpropylene uree		500 ml	P8020218	317
N,N'-Dimethylpropylene uree		1 l	P8020216	317
N,N'-Dimethylpropylene uree		5 l	P8020229	317
N,N'-Dimethylpropylene uree		25 l	P8020248	317
N,N'-Dimethylpropylene uree		200 l	P8020268	317
1,3-Dioxolane		1 l	P8030216	322
1,3-Dioxolane		5 l	P8030222	322
1,3-Dioxolane		25 l	P8030249	322
1,3-Dioxolane		200 l	P8030268	322
2-Methyltetrahydrofuran		1 l	P9960216	505
2-Methyltetrahydrofuran		2.5 l	P9960221	505
2-Methyltetrahydrofuran		5 l	P9960229	505
2-Methyltetrahydrofuran		25 l	P9960248	505
2-Methyltetrahydrofuran		200 l	P9960268	505
4-Methyltetrahydropyran		500 ml	P9990218	506
4-Methyltetrahydropyran		1 l	P9990216	506
4-Methyltetrahydropyran		2.5 l	P9990221	506
1,3-Propanediol		1 l	P8040216	627
1,3-Propanediol		5 l	P8040222	627
1,3-Propanediol		190 l	P8040268	627


PETROCHEMICAL ANALYSIS

CARLO ERBA Reagent offers a new range of ASTM solvents for testing engines. These solvents can be used in RON and MON methods (D2699 and D2700).

Solvents for the Octane Number

The determination of the octane number of a gasoline is a measure of its quality and performance as a fuel. CARLO ERBA Reagents offers solvents for the measure of the octane rate.

Description	Notes	Size	Code	Page
n-Heptane 99%		5 l	524263	381
n-Heptane 99%		25 l	524265	381
n-Heptane 99%		200 l	524267	381
Isooctane		5 l	528960	440
Isooctane		25 l	528961	440
Octane 80 blend		5 l	525992	537
Octane 80 blend		25 l	525993	537
Octane 80 blend		140 kg	525994	537
Toluene		5 l	386102	767
Toluene		25 l	386104	767
Toluene		180 kg	386106	767

Reagents for TAN & TBN Analysis

The determination of TAN, the measure of acid concentration and of TBN, the measure of alkaline concentration present in a lubricant are essential tests in industrial machinery and engine applications. CARLO ERBA Reagents offers reagents for TAN and TBN analysis.

Description	Notes	Size	Code	Page
Reagent TAN		2.5 l	PS0327/21	635
Reagent TAN		5 l	PS0327/29	635
Reagent TAN		10 l	PS0327/39	635
Reagent TBN ASTM D2896		2.5 l	PS0423/21	636
Reagent TBN ASTM D2896		5 l	PS0423/29	636
Reagent TBN ASTM D2896		10 l	PS0423/39	636
Reagent TBN ASTM D4739		5 l	526615	636

**KARL FISCHER TITRATION**

ERBAqua® is the CARLO ERBA Reagents brand, for its complete range of pyridine-free reagents for the volumetric and coulometric Karl Fischer determination of water.

The main features of this range are: more safety due to py-free and one component reagents non-hazardous, fast and stable endpoints and long term titre stability.

ERBAqua® One component volumetric reagents

In one-component volumetric Karl Fischer Titration, the titrant contains all the reagents required by the reaction: iodine, sulfur dioxide, base and an alcohol.

Available in two different titer strengths, 5 mg/ml and 2 mg/ml, they are suitable for routine analysis, and thanks to their methanol-free formulation, they can be used also if the sample contains aldehydes and ketones.

Description	Notes	Size	Code	Page
Karl Fischer reagent 1 component 2 mg H ₂ O/ml		1 l	570021	443
Karl Fischer reagent 1 component 5 mg H ₂ O/ml		1 l	570011	443
Karl Fischer titrant 1 component 5 mg H ₂ O/ml for aldehydes and ketones		1 l	570081	443

ERBAqua® Solvents for One component volumetric reagents

Used to dissolve the sample, when a one component reagent is used for titration. In addition to methanol and anhydrous chloroform, other solvents are available:

- 570031, for sample containing oils and fats
- 570041, for sample containing aldehydes and ketones. It is especially suitable for high molecular weight products and non polar constituents mixture

Description	Notes	Size	Code	Page
Chloroform		1 l	P02410E16	261
Karl Fischer solvent for aldehydes and ketones one component		1 l	570041	444
Karl Fischer solvent for oils one component		1 l	570031	444
Methanol	Water content max 50 ppm	1 l	414981	490

ERBAqua® Two components volumetric reagents

For users who do frequent Karl Fischer analysis and need a higher degree of accuracy than one-component volumetric titration can provide, we recommend the two components range.

They give more accuracy in the results and longer shelf life because the reagents required by the Karl Fischer reaction are separated between the titrant (iodine) and the working medium (sulfur dioxide and base), but this implies that they must be coupled used.

Description	Notes	Size	Code	Page
Karl Fischer titrant 2 component 2 mg H ₂ O/ml		1 l	570061	444
Karl Fischer titrant 2 component 5 mg H ₂ O/ml		1 l	570051	444

ERBAqua® Solvents for Two component volumetric reagents

Together with the two-component titrants, there are different types of solvents.

For oils or other non-polar compounds, 570101 is the suitable working medium. In case of need for an extra buffering capacity of 5 mmole of acid/ml, 570111 is the suitable working medium.

Description	Notes	Size	Code	Page
Karl Fischer solvent 2 component		1 l	570071	445
Karl Fischer solvent 2 component for aldehydes and ketones - Methanol free		1 l	570091	445
Karl Fischer solvent for oils 2 component		1 l	570101	445
Karl Fischer 2 component buffered solvent		500 ml	570111	445

ERBAqua® Coulometric reagents - Anolyte solutions for cells with diaphragm

Coulometric Karl Fischer method is highly effective and suitable when water content in the sample is less than 0.1% and high accuracy on the result is needed.

Designed for use with all titrators and titration cell types, a wide range is available in order to allow the necessary reagents both when a diaphragm or a diaphragmless cell is used.

For units with a diaphragm, two reagent solutions are required: an anolyte and a catholyte.

Description	Notes	Size	Code	Page
Karl Fischer anolyte solution		500 ml	570121	446
Karl Fischer anolyte solution for ketones and aldehydes - Methanol free		500 ml	570161	446
Karl Fischer anolyte solution - CFC free		500 ml	570141	446
Karl Fischer anolyte solution, oven		500 ml	570151	446
Karl Fischer anolyte solution for oils		500 ml	570171	447

ERBAqua® Coulometric reagents - Catholyte solutions for cells with diaphragm

When coulometric titration is performed with a cell with a diaphragm there is a need for anolyte or catholyte solutions.

Description	Notes	Size	Code	Page
Karl Fischer catholyte solution		125 ml	570181	447
Karl Fischer catholyte solution for aldehydes and ketones		125 ml	570191	447

ERBAqua® Coulometric reagents - Anolyte solutions for cells without diaphragm

When the coulometric titration is done with a cell without a diaphragm, an anolyte solution is sufficient.

Description	Notes	Size	Code	Page
Karl Fischer anolyte solution for cells with and without diaphragms		500 ml	570131	447

ERBAqua® Water standards - Gravimetric

Standardization of a Karl Fischer reagent is necessary in order to determine its water equivalency.

Gravimetric standards with content in water in mg/g.

Description	Notes	Size	Code	Page
Karl Fischer water standard 10.0 mg/g		10 x 5 ml	570221	448
Karl Fischer water standard 1.0 mg/g		10 x 5 ml	570211	448
Karl Fischer water standard 0.10 mg/g		10 x 5 ml	570201	449
Sodium tartrate dihydrate		100 g	483561	709

ERBAqua® Water standards - Volumetric

Volumetric standards with content in water in mg/ml.

Description	Notes	Size	Code	Page
Karl Fischer water standard 5.0 mg/ml		10 x 5 ml	570231	448

**INDICATORS**

Indicators represent a practical and important tool for monitoring the progress of a reaction of an aqueous solution, operations which are often essential for obtaining correct analytical data.

Indicators, for UV-fluorescence, Redox, Precipitation and Complexometry

- **UV Fluorescence indicators**
The use of chromatic indicators may not be equally effective with turbid or colored solutions, or when the change in concentration is not fast enough. In these cases, instrumental methods or fluorescence indicators may be adopted to identify the end point.
- **Oxidation-reduction indicators**
These indicators are substances that vary in color depending on whether they are in oxidized or reduced form. Their behavior is very similar to that of the indicators used in acid-base titration; however, while the latter are sensitive to changes in the solution's pH, oxidation-reduction indicators are sensitive to changes in the system's potential. The color changes are usually very clear and well-defined.
- **Precipitation indicators**
Precipitation titration methods have very limited applications compared to other types of volumetric analysis, but the few that are still employed are very useful in practical terms.
The titration process is based on the formation of an insoluble compound between the titrating agent and the substance being titrated, which gradually results from the reaction that occurs during titration.
Precipitation indicators allow visual identification of the end point of titration thanks to a change in color, which corresponds to the variation of a key characteristic, such as a change in the precipitate's electric charge (isoelectric point).
- **Complexometry indicators**
These are organic colorings, mainly of the azo group, which form stable complexes with metals and are characterized by different colors depending on whether they are in free form or complex form in the solution.

Description	Notes	Size	Code	Page
Acridine orange		25 g	423461	147
Alizarin		25 g	415892	149
Alizarin red		25 g	416002	149
Alizarin yellow R		10 g	453451	150
Anthrone		25 g	423282	182
Arsenazo III		1 g	424281	184
Arsenazo III		25 g	424282	184
Azomethine H		10 g	424691	189
Azomethine H		25 g	424692	189
Bromocresol green		1 g	491207	211
Bromocresol green		25 g	491208	211
Bromocresol purple		5 g	470038	212
Bromocresol purple		25 g	470039	212
Bromophenol blue		5 g	428658	213
Bromophenol blue		25 g	428659	213
Bromophenol blue		50 g	428653	213
Bromophenol blue		500 g	428655	213
Bromophenol blue indicator		1 l	PS0269/15	214
Bromophenol blue TAC indicator		1 l	PS0189/15	214
Bromophenol blue TAC indicator		1 l	PS0189/16	214
Bromothymol blue		5 g	428708	215
Bromothymol blue		25 g	428702	215
Bromothymol blue		50 g	428703	215
Calcon		25 g	434171	245
Calconcarbonic acid		5 g	403308	245
Calmagite		5 g	434181	246
Chloramine T sodium salt		25 g	437555	256
Chloranil		50 g	437601	256
Chromotropic acid disodium salt		25 g	404872	268
Clayton's yellow		5 g	453518	270

Clayton's yellow	25 g	453519	270
m-Cresol purple	1 g	470067	282
m-Cresol purple	25 g	470068	282
o-Cresol red	5 g	476778	283
Crystal violet	25 g	491502	284
Diacetyldioxime	50 g	441553	295
Diacetyldioxime sodium salt	50 g	441623	295
Diacetyldioxime sodium salt	250 g	441625	295
2,6-Dichlorophenolindophenol sodium salt	5 g	442508	305
2,6-Dichloroquinone-4-chlorimide	5 g	442458	305
Diethylenetriaminepentacetic acid	250 g	405192	308
Dimedone	25 g	444252	313
p-Dimethylaminobenzaldehyde	100 g	444604	314
p-Dimethylaminobenzaldehyde	250 g	444603	314
p-Dimethylaminobenzylidenerhodanine	5 g	444678	314
Dimidium bromide	1 g	445232	320
Dimidium bromide	5 g	445231	320
Dimidium bromide	25 g	445233	320
sym-Diphenylcarbazine	25 g	443752	323
sym-Diphenylcarbazine	100 g	443754	323
sym-Diphenylcarbazone	10 g	443801	323
Diphenylthiocarbazone	50 g	444053	323
Dodecylbenzenesulphonic acid sodium salt	10 g	405351	325
Dodecylbenzenesulphonic acid sodium salt	25 g	405352	325
Eriochrome black T	10 g	464221	330
Eriochrome black T	25 g	464222	330
Eriochromocyanine R	10 g	446811	330
Eriochromocyanine R	25 g	446812	330
Fluorescein	25 g	452086	357
Fluorescein	50 g	452083	357
Fluorescein	500 g	452087	357
Fluorescein sodium salt	25 g	452112	357
Fluorescein sodium salt	50 g	452113	357
Fluorescein sodium salt	1 kg	452117	357
Fluorescein sodium salt	25 g	345356	357
Fluorescein sodium salt	1 kg	345357	357
Glyoxal-bis-(2-hydroxyanil)	10 g	454131	374
Idrimer Erba Solution A	500 ml	E455256	419
Idrimer Erba Solution A	1 l	E455257	419
Idrimer Erba Solution B	500 ml	E455266	419
Idrimer Erba Solution B	1 l	E455267	419
Idrimer Erba Indicator C	10 g	E455271	419
Idrimer Erba Indicator C	100 g	E455274	419
Indicator for ammoniacal nitrogen solution	250 ml	E455651	420
Indicator for iodometry	25 g	455622	420
Indicator for iodometry	250 g	455621	420
Indigo carmine dried	25 g	434932	422
Inulin	10 g	455901	424
Inulin	25 g	455902	424
Inulin	100 g	455903	424

Litmus	100 g	489054	465
Luminol	25 g	458772	467
Metanil yellow	25 g	453542	487
3-Methyl-2-benzothiazolinone hydrazone hydrochloride	5 g	462238	497
Methylene blue	100 g	428984	498
Methylene blue	25 g	429982	498
Methylene blue	500 g	429981	498
Methyl orange	25 g	423504	501
Methyl orange	50 g	423503	501
Methyl orange	250 g	423505	501
Methyl orange	500 g	423501	501
Methyl red	25 g	476882	503
Methyl red	50 g	476883	503
Methyl red	250 g	476881	503
Methylthymol blue sodium salt	1 g	429021	506
Methylthymol blue sodium salt	25 g	429022	506
Methyl yellow	25 g	444552	506
Murexide	5 g	463608	516
Murexide	25 g	463609	516
Neocuproine hydrochloride	1 g	444731	519
Phenol red	5 g	476838	570
Phenol red	25 g	476839	570
Phenolphthalein	100 g	451154	571
Phenolphthalein	500 g	451156	571
Pyrocatechol violet	1 g	491871	632
Pyrocatechol violet	25 g	491872	632
Quinaldine red	25 g	476688	634
Red for oils O	25 g	476961	636
Starch paste solution 1%	250 ml	E477301	721
Starch paste solution 1%	1 l	E477302	721
Sudan III hydroalcoholic saturated solution	250 ml	E485952	727
Sudan yellow	25 g	453582	727
Thymol blue	5 g	429228	757
Thymol blue	25 g	429222	757
Thymol blue	50 g	429223	757
Thymolphthalein	5 g	487728	758
Thymolphthalein	25 g	487729	758
Tropaeolin O	10 g	490001	778
Tropaeolin O	25 g	490002	778
Xylenecyanol	1 g	492211	792
Xylenecyanol	25 g	492212	792
Xylenol orange	1 g	423597	793
Xylenol orange	5 g	423598	793
Xylenol orange	25 g	423599	793



CONDUCTIMETRY

The determination of the electrical conductivity or conductance is a key physical-chemical parameter for water analysis.

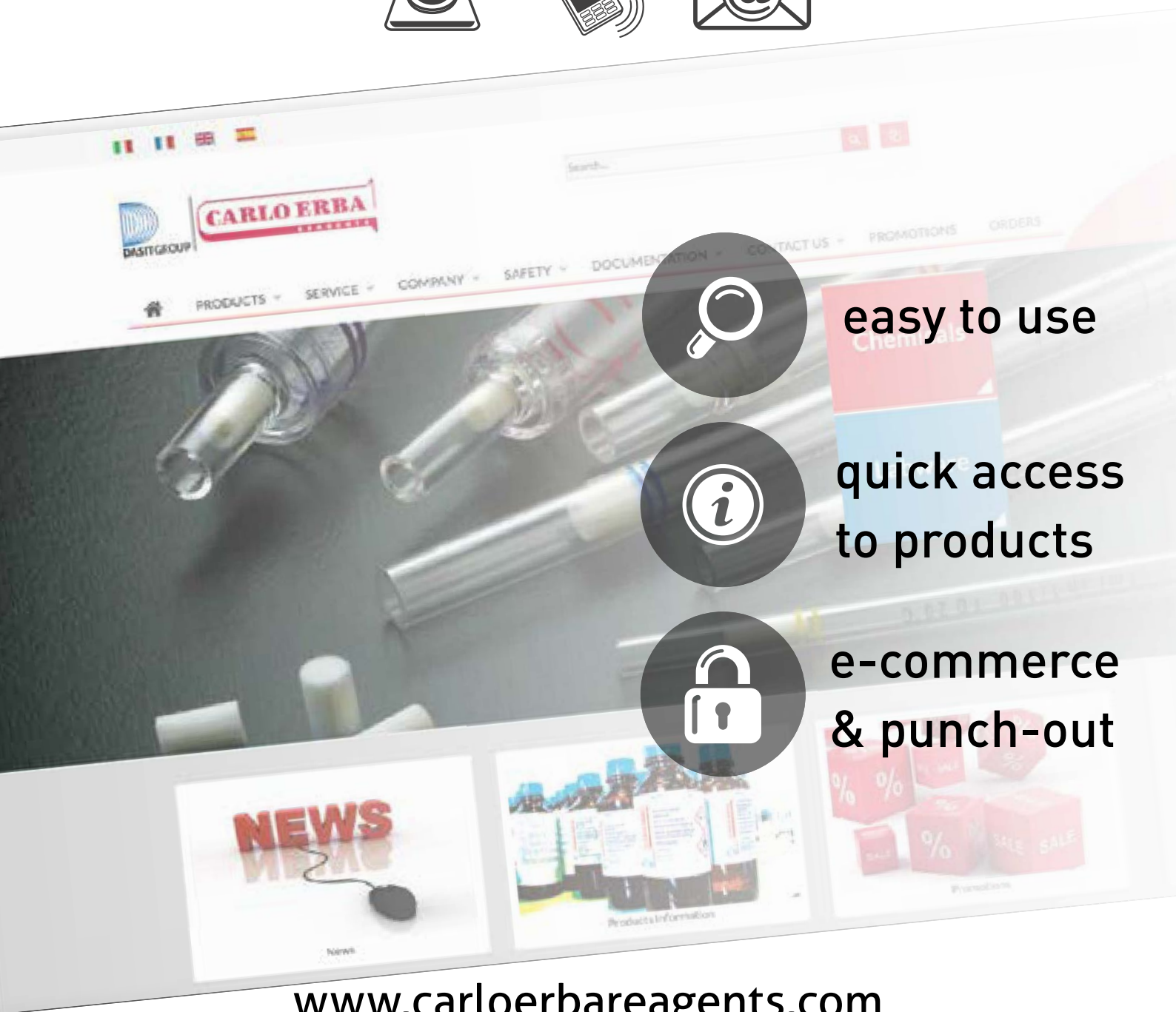
Standard Solutions

CARLO ERBA Reagents offers the following reference solutions, which are certified with NIST traceability.

Description	Notes	Size	Code	Page
Standard solution 1.30 $\mu\text{S}/\text{cm}$		250 ml	575231	715
Standard solution 5 $\mu\text{S}/\text{cm}$		250 ml	575001	716
Standard solution 10 $\mu\text{S}/\text{cm}$		250 ml	575011	716
Standard solution 20 $\mu\text{S}/\text{cm}$		500 ml	575021	716
Standard solution 50 $\mu\text{S}/\text{cm}$		500 ml	575031	716
Standard solution 84 $\mu\text{S}/\text{cm}$		500 ml	575041	717
Standard solution 100 $\mu\text{S}/\text{cm}$		500 ml	575051	717
Standard solution 147 $\mu\text{S}/\text{cm}$		500 ml	575061	717
Standard solution 200 $\mu\text{S}/\text{cm}$		500 ml	575071	717
Standard solution 500 $\mu\text{S}/\text{cm}$		500 ml	575081	717
Standard solution 1000 $\mu\text{S}/\text{cm}$		500 ml	575091	718
Standard solution 1413 $\mu\text{S}/\text{cm}$		500 ml	575101	718
Standard solution 5000 $\mu\text{S}/\text{cm}$		500 ml	575111	718
Standard solution 10000 $\mu\text{S}/\text{cm}$		500 ml	575121	718
Standard solution 12880 $\mu\text{S}/\text{cm}$		500 ml	575131	718
Standard solution 20000 $\mu\text{S}/\text{cm}$		500 ml	575141	719
Standard solution 50000 $\mu\text{S}/\text{cm}$		500 ml	575151	719
Standard solution 100000 $\mu\text{S}/\text{cm}$		500 ml	575161	719
Standard solution 150000 $\mu\text{S}/\text{cm}$		500 ml	575171	719
Standard solution 200000 $\mu\text{S}/\text{cm}$		500 ml	575181	720
Standard solution 300000 $\mu\text{S}/\text{cm}$		500 ml	575191	720
Standard solution 350000 $\mu\text{S}/\text{cm}$		500 ml	575201	720
Standard solution 450000 $\mu\text{S}/\text{cm}$		500 ml	575211	720
Standard solution 500000 $\mu\text{S}/\text{cm}$		500 ml	575221	721

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Absorbent for split liquids

• Assorbente per liquidi versati • Absorbant pour liquides répandus • Absorbente para líquidos derramados • Absorbens für verschüttete Flüssigkeiten

HEU210

Absorbent for split liquids > RE - Pure

RE

Description Polvere nocciola Identification Positive

Code	Size	Packaging	Notes
300101	1 kg	Plastic bottle	
300102	5 kg	Plastic tank	



Acetal

• Acetale • Acétal • Acetal • Acetal

Synonym:

- 1,1-Diethoxyacetal
- 1,1-Diethoxyethane

$\text{CH}_3\text{CH}(\text{OC}_2\text{H}_5)_2$
Molecular Weight: 118,18
CAS: 105-57-7
EEC-N: 203-310-6

Classification transport
ONU: 1088
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P332+P313

Acetal > RE - Pure - Reagent Ph.Eur.

RE

Description Clear colourless liquid Density at 20° C 0.822 ÷ 0.829 Assay (GLC) ≥ 98.5 %
Identification Positive Refractive index at 20°C 1.3790 ÷ 1.3850

Code	Size	Packaging	Notes
400155	100 ml	Glass bottle	



Acetamide

• Acetammide • Acétamide • Acetamida • Acetamid

Synonym:

Amide C2

CH_3CONH_2
Molecular Weight: 59,07
CAS: 60-35-5
EEC-N: 200-473-5



Warning
H351
P201-P202-P280-P308+P313-P405-P501a

Acetamide > RPE - For analysis

RPE

Description Colourless crystals Acetate ≤0.2 % Heavy metals (Pb) ≤5 ppm Fe ≤5 ppm
Identification Positive Chloride ≤20 ppm Residue on ignition ≤100 ppm Assay (ex nitrogen) 99 ÷ 100 %
Melting point 78.5 ÷ 81.5 °C Alcohol-benzene insol. ≤100 ppm Sulphate ≤20 ppm

Code	Size	Packaging	Notes
400204	100 g	Plastic bottle	



Acetanilide

• Acetanilide • Acétanilide • Acetanilida • Acetanilid

Synonym:

N-Phenylacetamide

$\text{CH}_3\text{CONHC}_6\text{H}_5$
Molecular Weight: 135,17
CAS: 103-84-4
EEC-N: 203-150-7



Warning
H302
P264-P270-P301+P312a-P330-P501a

Acetanilide > RPE - For analysis

RPE

Description white to beige to grey to light brown powder or crystals or flakes Melting point 111 ÷ 115 ° C Assay (GLC) ≥ 99.0 %

Code	Size	Packaging	Notes
400255	250 g	Plastic bottle	



Acetate buffer pH 6.0

• Tampone acetato pH 6.0 • Tampon acétate pH 6.0 • Tampón acetato pH 6.0 • Puffer acetate pH 6.0

Acetate buffer pH 6.0 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614002200	1 l	Plastic bottle	Ref Ph.Eur 4002200



Acetate buffer pH 4.6

• Tampone acetato pH 4.6 • Tampon acétate pH 4.6 • Tampón acetato pH 4.6 • Puffer acetate pH 4.6

Acetate buffer pH 4.6 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614001400	1 l	Plastic bottle	Ref Ph.Eur 4001400



Acetic acid glacial

• Acido acetico glacial • Acide acétique glacial • Acido acético glacial • Essigsäure

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7
EEC-N: 200-580-7

Classification transport
ONU: 2789
Transport Hazard class: 8
Packing group II



Danger
H226-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Acetic acid glacial > RS - For LC/MS

RS

Description	Clear colourless liquid	Subst. reducing KMnO ₄	Conform	at 260 nm	≥ 80 %	Ca.....	≤ 0.1 ppm
Colour (APHA)	≤ 10	Subst.reducing dichromate	Conform	at 270 nm	≥ 95 %	Mg	≤ 0.1 ppm
Refractive index at 20°C. 1.3711 ÷ 1.3731		Residue on evaporation	≤ 5 ppm	at 280 nm	≥ 97 %	K.....	≤ 0.1 ppm
Density at 20° C	1.0501 ÷ 1.0521	Assay (GC)	≥ 99.95 %	Al	≤ 0.05 ppm		
Boiling point.....	118.3 - 118.8. °C	U.V. Transmittance		Fe	≤ 0.2 ppm		
Water (K.F.)	≤ 0.1 %	at 254 nm	≥ 30 %	Na.....	≤ 0.5 ppm		

Code	Size	Packaging	Notes
401411	10 x 1 ml	Glass ampoule	
401412	10 x 2.5 ml	Bottle	
401413	50 ml	Plastic bottle	
401414	1 l	Glass bottle	

Additive for eluent phase for LC-MS. Store at temperature > 20 °C

Acetic acid glacial > RS - For HPLC - Isocratic Grade

RS

Appearance	Clear colourless liquid	Water content (K.F.)	≤ 0.05 % m/m	UV transmittance at 260 nm	≥ 80 %	Assay (GC).....	≥ 99.8 %
Colour	≤ 10 Hazen	UV transmittance at 254 nm	≥ 25 %	Non volatile residue	≤ 10 mg/Kg		

Code	Size	Packaging	Notes
401431	1 l	Glass bottle	
401432	2.5 l	Glass bottle	

Store at temperature > 20 °C

Acetic acid glacial > RS - Ultrapure - For trace analysis at ppt level

RS

Description	Clear colourless liquid	Mn	≤ 10 ppt	Cs	≤ 10 ppt	Re	≤ 10 ppt
Identification	Positive	Mo	≤ 10 ppt	Dy	≤ 1 ppt	Rh	≤ 50 ppt
Ag	≤ 50 ppt	Na	≤ 100 ppt	Er	≤ 1 ppt	Rb	≤ 10 ppt
Al	≤ 50 ppt	Ni	≤ 50 ppt	Eu	≤ 1 ppt	Ru	≤ 50 ppt
As	≤ 50 ppt	Pb	≤ 10 ppt	Gd	≤ 1 ppt	Sm	≤ 1 ppt
Ba	≤ 10 ppt	Sb	≤ 50 ppt	Ga	≤ 10 ppt	Sc	≤ 10 ppt
Be	≤ 10 ppt	Sn	≤ 50 ppt	Ge	≤ 10 ppt	Te	≤ 1 ppt
Bi	≤ 10 ppt	Sr	≤ 10 ppt	Hf	≤ 10 ppt	Tb	≤ 1 ppt
Ca	≤ 50 ppt	Ti	≤ 10 ppt	Ho	≤ 1 ppt	Tm	≤ 1 ppt
Cd	≤ 10 ppt	V	≤ 10 ppt	In	≤ 1 ppt	W	≤ 10 ppt
Co	≤ 10 ppt	Zn	≤ 50 ppt	La	≤ 1 ppt	Yb	≤ 1 ppt
Cr	≤ 10 ppt	Zr	≤ 10 ppt	Li	≤ 10 ppt	Y	≤ 1 ppt
Cu	≤ 10 ppt	Assay (acidimetric)	≥ 99 %	Lu	≤ 10 ppt	Tl	≤ 10 ppt
Fe	≤ 50 ppt	U	≤ 1 ppt	Nd	≤ 1 ppt		
K	≤ 50 ppt	Th	≤ 1 ppt	Pt	≤ 50 ppt		
Mg	≤ 50 ppt	Ce	≤ 10 ppt	Pr	≤ 1 ppt		

Code	Size	Packaging	Notes
401361	500 ml	Plastic bottle	

Store at temperature > 20 °C

Acetic acid glacial > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear colourless liquid	Cr	≤ 1 ppb	Mg	≤ 0.5 ppb	Sr	≤ 0.5 ppb
Colour (APHA)	≤ 10	Cs	≤ 0.1 ppb	Mn	≤ 0.5 ppb	Tb	≤ 0.1 ppb
Identification	Positive	Cu	≤ 0.5 ppb	Mo	≤ 0.5 ppb	Te	≤ 0.5 ppb
Chloride	≤ 1 ppm	Dy	≤ 0.1 ppb	Na	≤ 1 ppb	Th	≤ 0.1 ppb
Phosphate	≤ 1 ppm	Er	≤ 0.1 ppb	Nd	≤ 0.1 ppb	Ti	≤ 0.5 ppb
Sulphate	≤ 0.5 ppm	Eu	≤ 0.1 ppb	Ni	≤ 0.5 ppb	Tl	≤ 0.1 ppb
Reducing dichromate	Conform	Fe	≤ 1 ppb	Pb	≤ 0.1 ppb	Tm	≤ 0.1 ppb
Subst. reducing KMnO4	Conform	Ga	≤ 0.1 ppb	Pr	≤ 0.1 ppb	U	≤ 0.1 ppb
Al	≤ 1 ppb	Ge	≤ 0.5 ppb	Pt	≤ 0.5 ppb	V	≤ 0.5 ppb
Ag	≤ 1 ppb	Gd	≤ 0.1 ppb	Rb	≤ 0.1 ppb	W	≤ 0.5 ppb
As	≤ 0.5 ppb	Hf	≤ 0.1 ppb	Re	≤ 0.1 ppb	Y	≤ 0.1 ppb
Ba	≤ 0.5 ppb	Hg	≤ 1 ppb	Rh	≤ 0.5 ppb	Yb	≤ 0.1 ppb
Be	≤ 0.1 ppb	Ho	≤ 0.1 ppb	Ru	≤ 0.5 ppb	Zn	≤ 1 ppb
Bi	≤ 0.1 ppb	In	≤ 0.1 ppb	Sb	≤ 0.5 ppb	Zr	≤ 0.1 ppb
Ca	≤ 1 ppb	K	≤ 1 ppb	Sc	≤ 0.1 ppb	Assay (acidimetric)	≥ 99 %
Cd	≤ 0.5 ppb	La	≤ 0.1 ppb	Se	≤ 1 ppb		
Ce	≤ 0.1 ppb	Li	≤ 0.1 ppb	Sm	≤ 0.1 ppb		
Co	≤ 0.1 ppb	Lu	≤ 0.1 ppb	Sn	≤ 0.5 ppb		

Code	Size	Packaging	Notes
401405	500 ml	Plastic bottle	
401406	1 l	Plastic bottle	
401407	2.5 l	Plastic bottle	

Store at temperature > 20 °C

Acetic acid glacial > RS - RSE - For electronic use

RS

Description	Clear liquid	Phosphate	≤ 0.1 ppm	Ca	≤ 0.2 ppm	Na	≤ 0.2 ppm
Colour (APHA)	≤ 10	Heavy metals (Pb)	≤ 0.2 ppm	Cd	≤ 0.01 ppm	Ni	≤ 0.03 ppm
Identification	Positive	Reducing chromic acid	≤ 100 ppm	Co	≤ 0.01 ppm	Pb	≤ 0.01 ppm
Water miscibility	Conform	Subst. reducing KMnO4	≤ 10 ppm	Cr	≤ 0.03 ppm	Pt	≤ 0.05 ppm
Freezing point	≥ 16.24 °C	Sulphate	≤ 0.5 ppm	Cu	≤ 0.01 ppm	Sb	≤ 0.005 ppm
Assay (acidimetric)	≥ 99.9 %	Ag	≤ 0.02 ppm	Fe	≤ 0.1 ppm	Sn	≤ 0.02 ppm
Density at 20° C	1.0495 ÷ 1.0503	Al	≤ 0.01 ppm	Ga	≤ 0.02 ppm	Sr	≤ 0.02 ppm
Boiling point	118.3 ÷ 118.8 °C	As	≤ 0.005 ppm	In	≤ 0.02 ppm	Ta	≤ 0.1 ppm
Residue on evaporation	≤ 5 ppm	Au	≤ 0.05 ppm	K	≤ 0.1 ppm	Ti	≤ 0.05 ppm
Formic acid	≤ 0.1 %	B	≤ 0.01 ppm	Li	≤ 0.02 ppm	Tl	≤ 0.05 ppm
Acetic anhydride	≤ 100 ppm	Ba	≤ 0.1 ppm	Mg	≤ 0.05 ppm	V	≤ 0.05 ppm
Chloride	≤ 1 ppm	Be	≤ 0.02 ppm	Mn	≤ 0.01 ppm	Zn	≤ 0.05 ppm
Carbonyl Compounds (CO)	≤ 2 ppm	Bi	≤ 0.02 ppm	Mo	≤ 0.05 ppm	Zr	≤ 0.05 ppm

Code	Size	Packaging	Notes
401463	1 l	Glass bottle	
401462	2.5 l	Glass bottle	

Store at temperature > 20 °C

Acetic acid glacial > RS - For potentiometry

RS

Refractive index at 20°C..... 1.371 - 1.374	Reducing substances .....Conform	Aluminium (Al).....≤ 0.05 mg/Kg	Magnesium (Mg)≤ 0.1 mg/Kg
Water content (K.F.)≤ 1000 mg/Kg	Assay (GC)≥ 99.8 %	Barium (Ba).....≤ 0.1 mg/Kg	Manganese (Mn)≤ 0.05 mg/Kg
Non volatile residue≤ 10 mg/Kg	Acetic anhydride≤ 0.025 %	Cadmium (Cd).....≤ 0.05 mg/Kg	Lead (Pb)≤ 0.05 mg/Kg
Colour≤ 10 Hazen	Chloride (Cl-).....≤ 1 mg/Kg	Cobalt (Co).....≤ 0.05 mg/Kg	Zinc (Zn)≤ 0.1 mg/Kg
Titrate base .....Conform	Sulphate (SO4-).....≤ 1 mg/Kg	Iron (Fe).....≤ 1 mg/Kg	Arsenic (As)≤ 0.02 mg/Kg

Code	Size	Packaging	Notes
P00725P15	1 l	Plastic bottle	
P00725P21	2.5 l	Glass bottle	

Store at temperature > 20°C

Acetic acid glacial > RS - For titration in non-aqueous medium

RS

Description Clear colourless liquid	IdentificationPositive	Density at 20° C 1.049 ÷ 1.051	Assay≥ 99.8 %
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Code	Size	Packaging	Notes
401453	1 l	Glass bottle	
401455	2.5 l	Glass bottle	

Store at temperature > 20 °C

Acetic acid glacial > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description . Clear liquid or crystalline mass	Formic acid.....≤0.05 %	Bi.....≤0.02 ppm	Na.....≤0.5 ppm
Colour (APHA) ≤10	Acetic anhydride .....≤100 ppm	Ca.....≤0.2 ppm	Ni.....≤0.03 ppm
Identification Positive	Chloride.....≤1 ppm	Cd.....≤0.05 ppm	Pb.....≤0.02 ppm
Water miscibility.....Conform	Carbonyl Compounds (CO).....≤50 ppm	Co.....≤0.01 ppm	Sr.....≤0.02 ppm
Titrate base .....Conform	Phosphate .....≤0.5 ppm	Cr.....≤0.03 ppm	Ti .....≤0.1 ppm
Subst. reducing KMnO4.....Conform	Heavy metals (Pb).....≤0.5 ppm	Cu.....≤0.01 ppm	Tl .....≤0.05 ppm
Density at 20° C 1.0501 ÷ 1.0521	Sulphate .....≤0.5 ppm	Fe.....≤0.2 ppm	V.....≤0.05 ppm
Refractive index at 20°C. 1.3711 ÷ 1.3731	Ag .....≤0.02 ppm	K.....≤0.1 ppm	Zn.....≤0.05 ppm
Boiling point..... 118.3 ÷ 118.8 °C	Al .....≤0.05 ppm	Li .....≤0.02 ppm	Zr.....≤0.1 ppm
Freezing point ≥16 °C	As .....≤0.01 ppm	Mg .....≤0.1 ppm	Reducing chromic acid .....Conform ACS
Assay (acidimetric) .....99.5 ÷ 100.5 %	Ba .....≤0.1 ppm	Mn .....≤0.01 ppm	Water (K.F.)≤ 1500 ppm
Residue on evaporation≤ 10 ppm	Be .....≤0.02 ppm	Mo .....≤0.05 ppm	Acetaldehyde≤ 500 ppm

Code	Size	Packaging	Notes
401421	1 l	Glass bottle PVC coated	
401422	1 l	Glass bottle	
401424	2.5 l	Glass bottle	
401425	30 kg	Plastic drum	

Store at temperature > 20 °C

Acetic acid glacial > RPE - For analysis

RPE

Description . Clear liquid or crystalline mass	Acetic anhydride .....≤100 ppm	Ca .....≤0.2 ppm	Ni.....≤0.03 ppm
Colour (APHA) ≤10	Chloride.....≤1 ppm	Cd.....≤0.05 ppm	Pb.....≤0.02 ppm
Identification Positive	Carbonyl Compounds (CO).....≤50 ppm	Co.....≤0.01 ppm	Sr.....≤0.02 ppm
Water miscibility.....Conform	Phosphate .....≤0.5 ppm	Cr.....≤0.03 ppm	Ti .....≤0.1 ppm
Subst. reducing KMnO4.....Conform	Heavy metals (Pb).....≤0.5 ppm	Cu.....≤0.01 ppm	Tl .....≤0.05 ppm
Density at 20° C 1.0501 ÷ 1.0521	Sulphate .....≤0.5 ppm	Fe.....≤0.5 ppm	V.....≤0.05 ppm
Refractive index at 20°C. 1.3711 ÷ 1.3731	Ag .....≤0.02 ppm	K.....≤0.1 ppm	Zn.....≤0.05 ppm
Boiling point..... 118.3 ÷ 118.8 °C	Al .....≤0.05 ppm	Li .....≤0.02 ppm	Zr.....≤0.1 ppm
Freezing point ≥16 °C	As .....≤0.01 ppm	Mg .....≤0.1 ppm	Water (K.F.)≤ 1500 ppm
Assay (acidimetric) .....99.5 ÷ 100.5 %	Ba .....≤0.1 ppm	Mn .....≤0.01 ppm	Assay (CPG)≥ 99.8 %
Residue on evaporation .....≤10 ppm	Be .....≤0.02 ppm	Mo .....≤0.05 ppm	Acetaldehyde≤ 500 ppm
Formic acid.....≤0.05 %	Bi .....≤0.02 ppm	Na.....≤0.5 ppm	

Code	Size	Packaging	Notes
401391	1 l	Glass bottle	
524520	1 l	Plastic bottle	
401392	2.5 l	Glass bottle	
524521	2.5 l	Plastic bottle	
401396	30 kg	Plastic drum	
401397	200 kg	Polythene-metal drum	

Store at temperature > 20°C

Acetic acid glacial > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-NF-DAB-JP**ERBApharm**

Description	Clear, colourless liquid or crystalline mass	Reducing impurities.....	Conform Ph.Eur.	Water (K.F.).....	≤ 3000 ppm	Heavy metals (Pb).....	≤ 5 ppm
Identification	Positive	Ready oxidizable substances.....	Conform USP-NF	Residue on evaporation	≤ 50 mg/l	Fe.....	≤ 5 ppm
Appearance of solution	Conform Ph.Eur.	Freezing point	≥ 15.6 °C	Chloride.....	≤ 2 mg/l	Assay (acidimetric)	99.5 ÷ 100.5 %
Colour	≤ 10 APHA	Refractive index at 20°C.....	1.370 - 1.374	Sulphate.....	≤ 2 mg/l	Origin (BSE/TSE).....	Synthesis
				Sulfate.....	Conform USP-NF		

Code	Size	Packaging	Notes
302016	1 l	Glass bottle	
302011	2.5 l	Glass bottle	
302014	5 l	Plastic tank	
302015	30 kg	Plastic drum	
302013	200 kg	Polythene-metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade. Store at temperature > 20 °C

Acetic acid glacial > RE - Pure**RE**

Description	Clear liquid	Subst. reducing KMnO4.....	≤ 40 ppm	Water	≤ 2500 ppm	Sulphate	≤ 2 ppm
Density at 20°C	1.049 ÷ 1.051	Density at 20° C	1.050 ÷ 1.052	Formic acid.....	≤ 100 ppm	As	≤ 0.5 ppm
Colour (APHA)	≤ 10	Refractive index at 20°C.....	1.371 ÷ 1.373	Chloride.....	≤ 1 ppm	Cu.....	≤ 0.1 ppm
Identification	Positive	Boiling point.....	118.3 ÷ 118.8 °C	Carbonyl Compounds (CO).....	≤ 2 ppm	Fe	≤ 1 ppm
Water miscibility.....	Conform	Freezing point	≥ 16.24 °C	Heavy metals (Pb).....	≤ 1 ppm	Ni.....	≤ 0.1 ppm
Assay	≥ 99 %	Residue on evaporation	≤ 30 ppm	Reducing chromic acid.....	≤ 30 ppm	Assay (acidimetric)	≥ 99.8 %

Code	Size	Packaging	Notes
302031	1 l	Plastic bottle	
302032	2.5 l	Glass bottle	
302034	5 l	Plastic tank	
302033	10 l	Plastic tank	

Store at temperature > 20 °C

Acetic acid glacial > RE - Pure - For fibers**RE**

Description	Clear liquid	Boiling point.....	118.3 ÷ 118.8 °C	Carbonyl Compounds (CO).....	≤ 50 ppm	Fe	≤ 0.5 ppm
Colour (APHA)	≤ 10	Subst. reducing KMnO4.....	≤ 40 ppm	Heavy metals (Pb).....	≤ 1 ppm	Ni.....	≤ 0.1 ppm
Identification	Positive	Residue on evaporation	≤ 8 ppm	Sulphate.....	≤ 1 ppm	Assay	≥ 99.8 %
Water miscibility.....	Conform	Formic acid.....	≤ 0.1 %	Al	≤ 0.1 ppm	Water (K.F.)	≤ 2500 ppm
Density at 20° C	1.050 ÷ 1.052	Acetic anhydride	≤ 500 ppm	As	≤ 0.5 ppm	Assay (CPG)	≥ 99.5 %
Refractive index at 20°C.....	1.3711 ÷ 1.3731	Chloride.....	≤ 1 ppm	Cu.....	≤ 0.1 ppm	Freezing point	16.2 ÷ 16.6 °C

Code	Size	Packaging	Notes
302021	200 kg	Polythene-metal drum	

Store at temperature > 20 °C

**Acetic acid 96%**

• Acido acetico 96% • Acide acétique 96% • Acido acético 96% • Essigsäure 96%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7
EEC-N: 200-580-7

Classification transport

ONU: 2789
Transport Hazard class: 8
Packing group II

**Danger**

H226-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Acetic acid 96% > RE - Pure**RE**

Description	Clear colourless liquid	Density at 20° C	1.049 ÷ 1.051	Heavy metals (Pb).....	≤ 50 ppm	Iron	≤ 50 ppm
Identification	Positive	Residue on evaporation	≤ 100 ppm	Sulphate	≤ 1000 ppm	Assay (acidimetric)	≥ 96 %

Code	Size	Packaging	Notes
302002	1 l	Glass bottle	
302003	2.5 l	Glass bottle	
302005	25 kg	Plastic tank	
302007	50 kg	Plastic tank	

Store at temperature > 20 °C



Acetic acid 80%

• Acido acetico 80% • Acide acétique 80% • Acido acético 80% • Essigsäure 80%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7

Classification transport

ONU: 2789
Transport Hazard class: 8
Packing group II



Danger

H226-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Acetic acid 80% > RE - Pure

RE

Description	Clear liquid	Density at 20° C	1.069 ÷ 1.071	Acetic anhydride	≤500 ppm	As	≤0.4 ppm
Acetic acid content	80.5 - 82.5 %	Subst. reducing KMnO ₄	≤40 ppm	Chloride	≤1 ppm	Cu	≤0.1 ppm
Colour (APHA)	≤10	Residue on evaporation	≤30 ppm	Heavy metals (Pb)	≤2 ppm	Fe	≤0.5 ppm
Identification	Positive	Formic acid	≤200 ppm	Sulphate	≤1 ppm	Ni	≤0.1 ppm
Water miscibility	Conform	Alcoh acetone acetaldehyd	≤50 ppm	Al	≤0.1 ppm	Assay (acidimetric)	80.5 ÷ 82.5 %

Code	Size	Packaging	Notes
301855	5 l	Plastic tank	
301852	50 kg	Plastic tank	
301853	200 kg	Plastic drum	

Store at temperature > 20°C



Acetic acid 45%

• Acido acetico 45% • Acide acétique 45% • Acido acético 45 % • Essigsäure 45%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7

Classification transport

ONU: 2790
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Acetic acid 45% > RE - Pure - For glassware washing

RE

Description

Clear colourless liquid Assay (acetic acid)

44 ÷ 46 %

Code	Size	Packaging	Notes
526545	5 l	Plastic tank	
526546	10 l	Plastic tank	



Acetic acid 30%

• Acido acetico 30% • Acide acétique 30% • Acido acético 30% • Essigsäure 30%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7

Classification transport

ONU: 2790
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Acetic acid 30% > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Assay

290 - 310 g/L

Code	Size	Packaging	Notes
611000401	1 l	Glass bottle	Ref Ph.Eur 1000401

**Acetic acid 27%**

• Acido acetico 27% • Acide acétique 27% • Acido acético 27 % • Essigsäure 27%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7**Classification transport**
ONU: 2790
Transport Hazard class: 8
Packing group III**Danger**
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Acetic acid 27% > RS - For glassware washing****RS**

Assay (acidimetric) 26 ÷ 28 %

Code	Size	Packaging	Notes
508645	5 l	Plastic tank	

Content is guaranteed for standardized volumes at 20 °C. Keep tightly closed**Acetic acid 25%**

• Acido acetico 25% • Acide acétique 25% • Acido acético 25 % • Essigsäure 25%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7**Classification transport**
ONU: 2790
Transport Hazard class: 8
Packing group III**Danger**
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Acetic acid 25% > RE - Pure****RE**

Density d20/4 1.03 - 1.032 Acetic acid content 24 - 26 %

Code	Size	Packaging	Notes
PS0222/52	30 l	Plastic tank	

**Acetic acid 20%**

• Acido acetico 20% • Acide acétique 20% • Acido acético 20 % • Essigsäure 20%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7**Classification transport**
ONU: 2790
Transport Hazard class: 8
Packing group III**Warning**
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Acetic acid 20% > RPE - For analysis****RPE**

Density d20/4 1.024 - 1.026 Acetic acid content 19 - 21 %

Code	Size	Packaging	Notes
PS0237/41	10 l	Plastic tank	

**Acetic acid 12%**

• Acido acetico 12% • Acide acétique 12% • Acido acético 12 % • Essigsäure 12%

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7**Classification transport**
ONU: 2790
Transport Hazard class: 8
Packing group III**Warning**
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Acetic acid 12% > RS - For analysis according to Ph. Eur. Chap. 4.1.1****RS**

Code	Size	Packaging	Notes
611000402	1 l	Plastic bottle	Ref Ph.Eur 1000402

Acetic acid 12% > RPE - For analysis**RPE**

Description Clear colourless liquid Identification Positive Density at 20° C 1.014 ÷ 1.016 Assay (acidimetric) 11.5 - 12.5 %

Code	Size	Packaging	Notes
401531	1 l	Plastic bottle	

Content is guaranteed for standardized volumes at 20 °C. Keep tightly closed

Acetic acid 12% > RE - Pure

RE

Density d20/4 1.014 - 1.015 Acetic acid content 11.5 - 12.5 %

Code	Size	Packaging	Notes
PS0221/29	5 l	Plastic tank	



Acetic acid 1 mol/l (1N)

• Acido acetico 1 mol/l (1N) • Acide acétique 1 mol/l (1N) • Acido acético 1 mol/l (1N) • Essigsäure 1 mol/l (1N)

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7

Acetic acid 1 mol/l (1N) > RPE - For analysis - Reag. Ph.Eur. - Reag. USP

RPE

Assay (potentiometric) 0.998 ÷ 1.002 mol/L

Code	Size	Packaging	Notes
524605	5 l	Plastic tank	

Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

Acetic acid 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.999 - 1.001 N

Code	Size	Packaging	Notes
502000	1 l	Plastic bottle	

Content is guaranteed for standardized volumes at 20 °C. Keep tightly closed



Acetic acid 0.1 mol/l (0.1N)

• Acido acetico 0.1 mol/l (0.1N) • Acide acétique 0.1 mol/l (0.1N) • Acido acético 0.1 mol/l (0.1N) • Essigsäure 0.1 mol/l (0.1N)

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7

Acetic acid 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Assay (potentiometry) 0.0999 - 0.1001 N

Code	Size	Packaging	Notes
P3100015	1 l	Plastic bottle	

Acetic acid 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
401561		Plastic ampoule	Volume: 55 ml

6,005 g of CH₃COOH. Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Acetic acid 0.03 mol/l (0.03N)

• Acido acetico 0.03 mol/l (0.03N) • Acide acétique 0.03 mol/l (0.03N) • Acido acético 0.03 mol/l (0.03N) • Essigsäure 0.03 mol/l (0.03N)

CH₃COOH
Molecular Weight: 60,05
CAS: 64-19-7

Acetic acid 0.03 mol/l (0.03N) > RPE - For analysis - Reag. Ph.Eur. - Reag. USP

RPE

Assay (potentiometric) 0.02994 ÷ 0.03006 mol/L

Code	Size	Packaging	Notes
524611	10 l	Kubidos	

**Acetic acid-d4**

• Acido acetico-d4 • Acide acétique-d4 • Acido acético-d4 • Essigsäure d-4

Synonym:

Tetradeuteroacetic acid

CD₃COOD
Molecular Weight: 64,08
CAS: 1186-52-3
EEC-N: 214-693-4**Classification transport**ONU: 2789
Transport Hazard class: 8
Packing group II**Danger**H226-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Acetic acid-d4 > RS - For NMR - min 99,9%****RS**

Code	Size	Packaging	Notes
P5039	10 x 0.75 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Acetic acid isopropyl ester ► Isopropyl acetate

Acetic acid magnesium salt ► Magnesium acetate tetrahydrate

**Acetic anhydride**

• Anidride acetica • Anhydride acétique • Anhidrido acético • Essigsäureanhydrid

(CH₃CO)₂O
Molecular Weight: 102,09
CAS: 108-24-7**Classification transport**ONU: 2733
Transport Hazard class: 3
Packing group II**Danger**H225-H302-H312-H332-H314-H335
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364-
P403+P233**Acetic anhydride > RS - For analysis according to Ph. Eur. Chap. 4.1.1****RS**

Code	Size	Packaging	Notes
611000501	1 l	Glass bottle	Acetic anhydride solution R1 Ref Ph.Eur 1000501

Storage: protected from light and air**Acetic anhydride > RPE - For analysis - ACS****RPE**

Description	Clear liquid	Refractive index at 20°C. 1.3881 ÷ 1.3931	Chloride.....	≤5 ppm	Fe	≤5 ppm
Colour (APHA)	≤20	Boiling point..... 136 ÷ 142 °C	Phosphate	≤10 ppm	Assay (GLC)	≥97.0 %
Identification	Positive	Residue on evaporation	Heavy metals (Pb).....	≤2 ppm		
Density at 20° C	1.080 ÷ 1.084	Subst. reducing KMnO4.....	Sulphate	≤5 ppm		
		Conform ACS				

Code	Size	Packaging	Notes
421491	1 l	Glass bottle	
421496	2.5 l	Glass bottle	
421493	30 kg	Plastic drum	

Storage: protected from light and air**Acetic anhydride > RE - Pure****RE**

Description	Clear liquid	Refractive index at 20°C. 1.3856 ÷ 1.3956	Chloride.....	≤5 ppm	Assay (GLC)	≥99.5 %
Identification	Positive	Residue on evaporation	Heavy metals (Pb).....	≤ 2 ppm	Assay (acidimetric)	≥99.5 % (m/m)
Colour	≤ 10 APHA	Subs. reducing KMnO4.....	Al	≤ 1 ppm		
Density at 20° C	1.079 ÷ 1.085	Acetic acid.....	Fe	≤ 1 ppm		
		≤ 0.5 %				

Code	Size	Packaging	Notes
316501	1 l	Glass bottle	
316503	30 kg	Plastic drum	
316502	210 kg	Metal drum	

Storage: protected from light and air

Acetoacetic ester ► Ethyl acetoacetate



Acetone

• Acetone • Acétone • Acetona • Aceton

Synonym:
2-Propanone

CH₃COCH₃
Molecular Weight: 58,01
CAS: 67-64-1
EEC-N: 200-662-2

Classification transport
ONU: 1090
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H336-HEU066
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

Acetone > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Boiling point.....	55.8 ÷ 56.3 ° C	Alcalinity	≤0.0002 meq/g	at 340 nm	≥ 85 %
Identification	Positive	Water (K.F).....	≤ 500 ppm	Assay (GLC)	≥99.9 %	At 345 nm	≥ 90 %
Density at 20° C	0.790 ÷ 0.792	Residue on evaporation	≤5 ppm	U.V. Transmittance		at 350 nm	≥ 98 %
Refractive index at 20°C	1.3581 ÷ 1.3601	Acidity	≤0.0005 meq/g	At 335 nm	≥ 60 %	at 360 nm	≥ 99 %

Code	Size	Packaging	Notes
412501	1 l	Glass bottle	
412502	2.5 l	Glass bottle	

Acetone > RS - For GC-MS

RS

Appearance	Clear colourless liquid	Residue on evaporation	≤ 2 ppm	Methyl alcohol.....	≤ 500 ppm	Ret.range n-undecane to n-tetracontane
Refractive index at 20°C.....	1.357 - 1.361	Acidity (acetic acid).....	≤ 20 ppm	Isopropyl alcohol	≤ 500 ppm	
Water content (K.F)	≤ 500 ppm	Assay (GC)	≥ 99.95 %	GC-MS.Individual peak (n-hexadecane) .	≤ 2 µg/L	
Colour	≤ 10 APHA	Ethyl alcohol	≤ 100 ppm			

Code	Size	Packaging	Notes
400952	1 l	Glass bottle	

Acetone > RS - ATRASOL - For traces analysis

RS

Appearance	Clear colourless liquid	Free acid (as CH ₃ COOH).....	≤ 20 mg/Kg	2-Propanol.....	≤ 500 mg/Kg	Ret.range 1,2,4-trichlorobenzene
Refractive index at 20°C.....	1.357 - 1.361	Assay (GC)	≥ 99.9 %	GC-ECD.Individual peak (CCl ₄)	≤ 1 µg/l	to decachlorobiphenyle
Water content (K.F)	≤ 500 mg/Kg	GC (FID) - NC Atrasol	Conform	Ret.range dichloromethane		GC-FID.Individual peak (n-hexadecane) .
Non volatile residue.....	≤ 2 mg/Kg	Ethanol	≤ 100 mg/Kg	to 1,2,4-trichlorobenzene		≤ 2 µg/L
Colour	≤ 10 Hazen	Methanol	≤ 500 mg/Kg	GC-ECD.Individual peak (Lindane) .	≤ 2 ng/L	Ret.range n-undecane to n-tetracontane

Code	Size	Packaging	Notes
P0053216	1 l	Glass bottle	
P0053221	2.5 l	Glass bottle	
P0053282	4 l	Glass bottle	

Acetone > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear liquid	Assay (GLC)	≥ 99.8 %	Free acid (as CH ₃ COOH).....	≤ 20 mg/kg	Refractive index at 20°C.....	1.357 ÷ 1.361
Identification	Positive	Water	≤ 0.05 %	GC-ECD (Lindane standard)	≤ 3 ng/l		
Colour	≤ 10 hazen	Not volatile residue.....	≤ 2 mg/kg	GC-NPD (Ethylparathion standard) ..	≤ 3 ng/l		

Code	Size	Packaging	Notes
400991	1 l	Glass bottle	
400992000	2.5 l	Glass bottle	
400994	4 l	Glass bottle	

Acetone > RS - PESTIPUR - For pesticide analysis - PAH guaranteed

RS

Description	Clear liquid	Assay (GLC)	≥ 99.8 %	GC-ECD (Lindane standard)	≤ 3 ng/l	Test against standard (each 16 PAH) .	≤ 0.1 µg/l
Identification	Positive	Water	≤ 0.05 %	GC-NPD (Ethylparathion standard) ..	≤ 3 ng/l		
Colour	≤ 10 hazen	Not volatile residue.....	≤ 2 mg/kg	PAH test (according to ISO 17993) ..	Passes test		
Refractive index at 20°C.....	1.357 ÷ 1.361	Free acid (as CH ₃ COOH).....	≤ 20 mg/kg				

Code	Size	Packaging	Notes
400932	2.5 l	Glass bottle	

16 selected PAHs tested according to ISO 17993:2002, each max 0,1 µg/l

Acetone > RS - SPECTROSOL - For optical spectroscopy

RS

Description	Clear liquid	Boiling point.....	55.8 ÷ 56.3 °C	Assay (GLC)	≥99.9 %	at 335 nm	≥60 %
Colour (APHA)	≤10	Water (K.F.)	≤ 500 ppm	Fluorescence		at 340 nm	≥85 %
Identification	Positive	Residue on evaporation	≤5 ppm	at 365 nm	≤2 ppb	at 345 nm	≥95 %
Density at 20° C	0.790 ÷ 0.792	Acidity	≤0.0005 meq/g	U.V. Transmittance		at 350 nm	≥98 %
Refractive index at 20°C	1.3581 ÷ 1.3601	Alcalinity	≤0.0002 meq/g	at 330 nm	≥16 %		

Code	Size	Packaging	Notes
401034	1 l	Glass bottle	
401032	2.5 l	Glass bottle	

Acetone > RS - Anhydrous - For analysis

RS

Clear, colourless liq. appearance	Conform	Non volatile residue	≤ 10 mg/Kg	Diacetyl alcohol	≤ 500 mg/Kg	2-Propanol	≤ 500 mg/Kg
Refractive index at 20°C	1.357 - 1.361	Assay (GC)	≥ 99.8 %	Benzene	≤ 2 mg/Kg		
Density at 20/20	0.790 - 0.793	Colour	≤ 10 Hazen	Methanol	≤ 500 mg/Kg		
Water content (K.F.)	≤ 100 mg/Kg	Free acid (as CH ₃ COOH)	≤ 20 mg/Kg	Ethanol	≤ 100 mg/Kg		

Code	Size	Packaging	Notes
P0051010	200 ml	Bottle with septum	
P0051016	1 l	Glass bottle	

Acetone > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527651	1 l	Plastic bottle	
527650	2.5 l	Plastic bottle	
527655	5 l	Plastic bottle	

Particles control < 250 particles 0.5 µm/ml**For specifications, contact our customer service for a certificate of analysis****Acetone > RS - RSE - For electronic use**

RS

Description	Clear liquid	Methyl alcohol	≤500 ppm	Bi	≤0.02 ppm	Na	≤0.2 ppm
Colour (APHA)	≤10	Aldehyde	≤10 ppm	Ca	≤0.1 ppm	Ni	≤0.01 ppm
Identification	Positive	Chloride	≤0.1 ppm	Cd	≤0.005 ppm	Pb	≤0.01 ppm
Water miscibility	Conform	Phosphate	≤0.1 ppm	Co	≤0.005 ppm	Pt	≤0.02 ppm
Assay (GLC)	≥99.8 %	Heavy metals (Pb)	≤0.2 ppm	Cr	≤0.01 ppm	Sb	≤0.01 ppm
Resistivity	≥5 Mohm.cm	Sulphate	≤0.5 ppm	Cu	≤0.01 ppm	Sn	≤0.02 ppm
Density at 20° C	0.790 ÷ 0.792	Subst. reducing KMnO ₄	≤2 ppm	Fe	≤0.05 ppm	Sr	≤0.02 ppm
Boiling point	55.8 ÷ 56.3 °	Ag	≤0.02 ppm	Ga	≤0.02 ppm	Ti	≤0.05 ppm
Water (K.F.)	≤0.2 %	Al	≤0.05 ppm	In	≤0.02 ppm	Tl	≤0.05 ppm
Residue on evaporation	≤5 ppm	As	≤0.01 ppm	K	≤0.1 ppm	V	≤0.05 ppm
Acidity (formic acid)	≤15 ppm	Au	≤0.05 ppm	Li	≤0.02 ppm	Zn	≤0.01 ppm
Alcalinity (NH ₃)	≤2 ppm	B	≤0.01 ppm	Mg	≤0.1 ppm	Zr	≤0.05 ppm
Ethyl alcohol	≤100 ppm	Ba	≤0.1 ppm	Mn	≤0.01 ppm		
Isopropyl alcohol	≤500 ppm	Be	≤0.02 ppm	Mo	≤0.05 ppm		

Code	Size	Packaging	Notes
401051	1 l	Glass bottle	
401058	2.5 l	Glass bottle	
401054	5 l	Plastic tank	
401055	5 l	Metal tank	
401052	22 kg	Metal drum	

Acetone > RS - MOS - For electronic use

RS

Description	Clear liquid	Methyl alcohol.....	≤500 ppm	Bi.....	≤0.02 ppm	Na.....	≤0.2 ppm
Colour (APHA)	≤10	Aldehyde.....	≤10 ppm	Ca.....	≤0.1 ppm	Ni.....	≤0.01 ppm
Identification	Positive	Chloride.....	≤0.1 ppm	Cd.....	≤0.005 ppm	Pb.....	≤0.01 ppm
Water miscibility.....	Conform	Phosphate.....	≤0.1 ppm	Co.....	≤0.005 ppm	Pt.....	≤0.02 ppm
Assay (GLC)	≥99.8 %	Heavy metals (Pb).....	≤0.2 ppm	Cr.....	≤0.01 ppm	Sb.....	≤0.01 ppm
Resistivity	≥5 Mohm.cm	Sulphate.....	≤0.5 ppm	Cu.....	≤0.01 ppm	Sn.....	≤0.02 ppm
Density at 20° C	0.790 ÷ 0.792	Subst. reducing KMnO4.....	≤2 ppm	Fe.....	≤0.05 ppm	Sr.....	≤0.02 ppm
Boiling point.....	55.8 ÷ 56.3 °	Ag.....	≤0.02 ppm	Ga.....	≤0.02 ppm	Ti.....	≤0.05 ppm
Water (K.F.).....	≤0.2 %	Al.....	≤0.05 ppm	In.....	≤0.02 ppm	Tl.....	≤0.05 ppm
Residue on evaporation	≤5 ppm	As.....	≤0.01 ppm	K.....	≤0.1 ppm	V.....	≤0.05 ppm
Acidity (formic acid).....	≤15 ppm	Au.....	≤0.05 ppm	Li.....	≤0.02 ppm	Zn.....	≤0.01 ppm
Alcalinity (NH3).....	≤2 ppm	B.....	≤0.01 ppm	Mg.....	≤0.1 ppm	Zr.....	≤0.05 ppm
Ethyl alcohol	≤100 ppm	Ba.....	≤0.1 ppm	Mn.....	≤0.01 ppm		
Isopropyl alcohol	≤500 ppm	Be.....	≤0.02 ppm	Mo.....	≤0.05 ppm		

Code	Size	Packaging	Notes
401042	1 l	Glass bottle	
401041	2.5 l	Glass bottle	

Acetone > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614000100	1 l	Glass bottle	Buffered acetone solution Ref Ph.Eur 4000100

Acetone > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description	Clear liquid	Acidity.....	≤0.0003 meq/g	B.....	≤0.1 ppm	Mn.....	≤0.02 ppm
Colour (APHA)	≤10	Alcalinity.....	≤0.0006 meq/g	Ba.....	≤0.1 ppm	Ni.....	≤0.01 ppm
Identification (I.R.).....	Conform	Ethyl alcohol	≤100 ppm	Ca.....	≤0.5 ppm	Pb.....	≤0.01 ppm
Water solubility.....	Conform	Isopropyl alcohol	≤500 ppm	Cd.....	≤0.05 ppm	Sn.....	≤0.1 ppm
Density at 20° C	0.790 ÷ 0.792	Methyl alcohol.....	≤500 ppm	Co.....	≤0.05 ppm	Zn.....	≤0.2 ppm
Refractive index at 20°C.1.3581 ÷ 1.3601		Aldehyde.....	≤10 ppm	Cr.....	≤0.02 ppm	Assay (GLC).....	≥99.8 %
Boiling point.....	55.8 ÷ 56.3 ° C	Heavy metals (Pb).....	≤0.2 ppm	Cu.....	≤0.01 ppm	Related substances (GLC).....	Conform
Water (K.F.).....	≤0.2 %	Subst. reducing KMnO4.....	≤2 ppm	Fe.....	≤0.1 ppm	Benzene	≤ 2 ppm
Residue on evaporation	≤10 ppm	Al.....	≤0.5 ppm	Mg.....	≤0.02 ppm	Diacetyl alcohol.....	≤ 500 ppm

Code	Size	Packaging	Notes
400961	1 l	Plastic bottle	
400971	1 l	Glass bottle	
400965	2.5 l	Plastic bottle	
400974	2.5 l	Glass bottle	
400962	5 l	Plastic tank	
400963	10 l	Plastic tank	
400978	16 kg	Plastic tank	
400972	22 kg	Metal drum	
400979	160 kg	Metal drum	

Acetone > ERBapharm - According to pharmacopoeia: BP-NF-Ph.Eur.

ERBapharm

Description	Clear colourless liquid	Appearance of solution	Conform Ph. Eur.	Impurity C.....	≤ 2 ppm (v/v)	Assay (GLC)	≥ 99.0 %
Density at 20°C	0.790 ÷ 0.793	Acidity or alkalinity.....	Conform Ph.Eur.	Other impurities (GC).....	≤ 0.05 % (v/v)	Density at 25°C	≤ 0.789
Identification B (Ph.Eur).....	Positive	Water insoluble substances.....	Conform Ph.Eur.	Reducing substances	Conform Ph.Eur.	Water (GLC).....	≤ 0.5 %
Identification C (Ph.Eur)	Positive	Related substances (GLC)	Conform Ph.Eur.	Water (K.F.).....	≤ 3 g/l	Origin (BSE/TSE).....	Synthesis
Identification (I.R.).....	Positive	Impurities A,B	≤ 0.05 %v/v	Residue on evaporation	≤ 40 ppm(p/v)	Residual solvents (Current ICH).....	Conform

Code	Size	Packaging	Notes
301505	1 l	Glass bottle	
301506	2.5 l	Glass bottle	
301502	5 l	Aluminium can	
301503	5 l	Plastic tank	
301501	16 kg	Plastic tank	
301504	22 kg	Metal drum	
301507	160 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Acetone > RE - Pure**RE**

Description	Clear liquid	Density at 20°C	0.788÷0.792	Water (K.F.)	≤0.25 % m/m	Assay (GLC)	≥99.8 % (GLC)
Colour	≤10 APHA	Refractive index at 20°C...	1.3601÷1.3581	Residue on evaporation	≤15 ppm	Acidity (acetic acid).....	≤ 200 ppm
Identity (IR).....	Positive	Boiling point.....	55.7÷56.7 °C	Water miscibility.....	Complete	Diacetyl alcohol.....	≤ 500 ppm

Code	Size	Packaging	Notes
508200	1 l	Glass bottle	
508201	2.5 l	Glass bottle	
528203	5 l	Plastic tank	
528206	10 l	Plastic tank	
528201	25 l	Plastic tank	
528204	200 l	Metal drum	

**Acetone / water 98/2 (v/v) with bromophenol blue 0.02 g/l**

- Acetone / Acqua 98/2 (v/v) + Blu di Bromofenolo 0.02 g/l • Acétone / eau 98/2 (v/v) + Bleu de Bromophénol 0.02 g/l
- Acetona / Agua 98/2 (v/v) + Azul de bromofenol 0.02 g/l • Aceton / Wasser 98/2 (v/v) mit Bromphenolblau 0.02 g/l

Classification transport

ONU: 1090
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H319-H336
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Acetone / water 98/2 (v/v) with bromophenol blue 0.02 g/l > RS - For analysis**RS**

Code	Size	Packaging	Notes
PS0852/29	5 l	Plastic tank	

**Acetone-d6**

- Acetone-d6 • Acétone-d6 • Acetona-d6 • Aceton-d6

Synonym:
Hexadeuteroacetone

CD₃COCD₃
 Molecular Weight: 64,12
 CAS: 666-52-4
 EEC-N: 211-563-9

Classification transport

ONU: 1090
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H319-H336-HEU066
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Acetone-d6 > RS - For NMR - min 99.96%**RS**

Code	Size	Packaging	Notes
P5060	10 x 0.6 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Acetone-d6 > RS - For NMR - min 99.8%**RS**

Code	Size	Packaging	Notes
P5049	10 x 0.75 ml	Glass ampoule	
P5044A	10 ml	Glass ampoule	
P5045	25 ml	Glass bottle	
P5046	100 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



Acetonitrile

• Acetonitrile • Acétonitrile • Acetonitrilo • Acetonitril

Synonym:
Methyl cyanide

CH₃CN
Molecular Weight: 41,05
CAS: 75-05-8
EEC-N: 200-835-2

Classification transport
ONU: 1648
Transport Hazard class: 3
Packing group II



Danger
H225-H302-H312-H332-H319
P210-P241-P280-P303+P361+P353-P304+P340-
P305+P351+P338

Acetonitrile > RS - For UHPLC-MS

RS

Description Clear colourless liquid	Transmittance	Fluorescence (quinine)	Metals compounds
Colour ≤ 5 APHA	At 191 nm ≥ 40 %	At 365 nm ≤ 0.5 ppb	Al ≤ 20 ppb
Identification (I.R.) Positive	At 195 nm ≥ 80 %	At 450 nm ≤ 0.5 ppb	Fe ≤ 20 ppb
Refractive index at 20°C 1.342 - 1.346	At 200 nm ≥ 95 %	UHPLC gradient peak	Na ≤ 50 ppb
Residue on evaporation ≤ 1 ppm	At 215 nm ≥ 97 %	At 210 nm ≤ 0.4 MAU	Ca ≤ 50 ppb
Acidity ≤ 0.0003 meq/g	≥ 230 nm ≥ 99 %	Drift at 210 nm ≤ 6 MAU	Mg ≤ 20 ppb
Alkalinity ≤ 0.0002 meq/g	Absorbance	Drift at 254 nm ≤ 2 MAU	K ≤ 50 ppb
Assay (CPG) ≥ 99.99 %	At 220 nm ≤ 0.01 AU	Test LC-MS TIC (50-2000m/z) ES I(+)	
Water (K.F.) ≤ 100 ppm	At 254 nm ≤ 0.005 AU	Sensitive Impurities (reserpine) ≤ 30 ppb	

Code	Size	Packaging	Notes
412041	1 l	Glass bottle	
412042	2.5 l	Glass bottle	

Acetonitrile > RS - For LC/MS

RS

Description Clear colourless liquid	Assay (GLC) ≥ 99.95 %	At 254 nm ≤ 1 ppb	Al ≤ 50 ppb
Colour ≤ 10 APHA	Transmission UV (1cm, ref water)	At 365 nm ≤ 0.5 ppb	Fe ≤ 50 ppb
Identification (I.R.) Conform	At 195 nm ≥ 80 %	HPLC gradient	Na ≤ 50 ppb
Refractive index at 20°C 1.342 ÷ 1.346	At 200 nm ≥ 95 %	At 210 nm ≤ 1 MAU	Ca ≤ 50 ppb
Residue on evaporation ≤ 2 ppm	At 220 nm ≥ 98 %	Test LC-MS TIC (50-2000m/z) ESI (+)	Mg ≤ 50 ppb
Acidity ≤ 0.0005 meq/g	≥ 230 nm ≥ 99 %	Sensitive Impurities (reserpine) ≤ 50 ppb	K ≤ 50 ppb
Alkalinity ≤ 0.0002 meq/g	Fluorescence (quinine)	Metals compounds	Water (K.F.) ≤ 100 ppm

Code	Size	Packaging	Notes
412341	1 l	Glass bottle	
412342	2.5 l	Glass bottle	

Acetonitrile > RS - For HPLC - GOLD - Ultragradient grade

RS

Description Clear liquid	Refractive index at 20°C 1.342 ÷ 1.344	At 254 nm ≤ 1 ppb	At 195 nm ≥ 80 %
Colour (APHA) ≤ 10	Distillation range 80.5 ÷ 82.5 °C	At 365 nm ≤ 0.5 ppb	At 228 nm ≥ 99 %
Identification Positive	Water (KF) ≤ 100 ppm	At 450 nm ≤ 0.5 ppb	From 230 to 420 nm ≥ 99 %
Miscb. with Acetone Conform	Residue on evaporation ≤ 2 ppm	Absorbance	Functionality for HPLC
Water miscibility Conform	Acidity ≤ 0.0003 meq/g	At 190 nm ≤ 0.6 AU	At 210 nm ≤ 1 MAU
Miscibility in ether Conform	Alcalinity ≤ 0.0002 meq/g	At 200 nm ≤ 0.03 AU	drift at 210 nm ≤ 12 mA.U.
Miscibility in methanol Conform	Assay (GLC) ≥ 99.9 %	At 220 nm ≤ 0.01 AU	HPLC Gradient Passed test
Density at 20°C 0.781 ÷ 0.785	Fluorescence (quinine)	Transmittance	UV cut off ≤ 190 nm

Code	Size	Packaging	Notes
412371000	1 l	Glass bottle	
412372000	2.5 l	Glass bottle	
412374	4 l	Glass bottle	

Acetonitrile > RS - For HPLC PLUS Gradient grade - ACS - Reag.Ph.Eur. - Reag.USA

RS

Description Clear colourless liquid	Titration base ≤ 0.0002 meq/g	at 365 nm ≤ 0.5 ppb	From 240 to 420 nm ≥ 98 %
Colour (APHA) ≤ 10	Residue on evaporation ≤ 0.0002 %	at 450 nm ≤ 0.5 ppb	Absorbance
Identification Positive	Water (K.F.) ≤ 0.01 %	U.V. Transmittance	At 190 nm ≤ 1.00 AU
Density at 20° C 0.781 ÷ 0.785	Litmus paper test Conform	at 195 nm ≥ 79 %	Absorbance ACS Pass test
Refractive index at 20°C 1.3420 ÷ 1.3443	Assay (GLC) ≥ 99.9 %	at 200 nm ≥ 90 %	Gradient elution ACS pass test
Distillation range 95% distils between 80 ÷ 82 °C	Fluorescence	at 210 nm ≥ 95 %	Functionality for HPLC
Titration acid ≤ 0.0008 meq/g	at 254 nm ≤ 1 ppb	at 220 nm ≥ 98 %	

Code	Size	Packaging	Notes
412393	1 l	Glass bottle PVC coated	
412391000	1 l	Glass bottle	
412392000	2.5 l	Glass bottle	
412395	5 l	Aluminium can	

Acetonitrile > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Acidity or alkalinity	≤0.0008 meq/g	UV Transmittance	at 210 nm	≥92 %
Identification	Positive	Water (K.F.)	≤200 ppm	At 197 nm	at 220 nm	≥94 %
Density at 20 °C	0.781 ÷ 0.785	Residue on evaporation	≤2 ppm	UV transmittance at 240 nm	at 230 nm	≥98 %
Iodometric test	Conform	UV transmittance at 220 nm	≥ 94 %	at 200 nm	at 240 nm	≥99 %
Refractive index at 20°C	1.3420 ÷ 1.3440	Assay (GLC)	≥99.9 %	Free acid (as CH ₃ COOH)...	Fluorescence quinine 254 nm	≤ 1 ppb
Boiling point	81.1 ÷ 82.1 °C	UV transmittance at 230 nm	≥ 97 %	at 205 nm		

Code	Size	Packaging	Notes
412411000	1 l	Glass bottle	
412412000	2.5 l	Glass bottle	
412413000	4 l	Glass bottle	

Acetonitrile > RS - For HPLC 230

RS

Appearance	Clear colourless liquid	Boiling point	80.0 - 82.5 °C	Free acid (as CH ₃ COOH)	≤ 20 mg/Kg	UV transmittance at 250 nm	≥ 98 %
Refractive index at 20°C	1.342 - 1.346	Colour	≤ 10 Hazen	Assay (GC)	≥ 99.9 %		
Density d ₂₀ /20	0.780 - 0.785	Non volatile residue	≤ 5 mg/Kg	UV transmittance at 230 nm	≥ 80 %		

Code	Size	Packaging	Notes
P00637S16	1 l	Glass bottle	
P00637S21	2.5 l	Glass bottle	

Acetonitrile > RS - For preparative HPLC

RS

Description	Clear colourless liquid	Refractive index at 20°C	1.3420 ÷ 1.3440	Residue on evaporation	≤5 ppm	at 250 nm	≥98 %
Identification	Positive	Boiling point	81.1 ÷ 82.1 °C	Assay (GLC)	≥99.9 %		
Colour	≤10 APHA	Acidity or alkalinity	≤0.0008 meq/g	U.V. Transmittance			
Density at 20 °C	0.781 ÷ 0.785	Water (K.F.)	≤300 ppm	at 230 nm	≥50 %		

Code	Size	Packaging	Notes
412409	2.5 l	Glass bottle	
412407	23 l	Metal drum	

Acetonitrile > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear liquid	Identification	Positive	Acidity (acetic acid)	≤ 20 ppm	GC-ECD (Lindano)	≤ 3 ng/l
Colour	≤ 10 hazen	Water	≤ 0.03 %	Not volatile residue	≤ 5 ppm	Assay (GLC)	≥ 99.9 %

Code	Size	Packaging	Notes
401241	1 l	Glass bottle	
401242	2.5 l	Glass bottle	
401243	4 l	Glass bottle	

Acetonitrile > RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

RS

Description	Clear colourless liquid	Acidity or alkalinity	≤0.0008 meq/g	at 254 nm	≤1 ppb	Colour	≤ 10 APHA
Density at 20 °C	0.781 ÷ 0.785	Water (K.F.)	≤300 ppm	U.V. Transmittance		at 230 nm	≥98 %
Refractive index at 20°C	1.3410 ÷ 1.3450	Residue on evaporation	≤5 ppm	at 200 nm	≥90 %	Identification	Positive
Litmus paper test	Conform	Assay (GLC)	≥99.9 %	at 210 nm	≥94 %	UV Absorbance from 255 nm to 420 nm	≤ 0.01 AU
Distillation range 95% distils between	80 - 82 °C	Fluorescence		at 220 nm	≥96 %		

Code	Size	Packaging	Notes
401216	1 l	Glass bottle	
401212	2.5 l	Glass bottle	

Acetonitrile > RS - Anhydrous - For analysis

RS

Appearance	Clear colourless liquid	Water content (K.F.)	≤ 100 mg/Kg	Free acid (as CH ₃ COOH)	≤ 20 mg/Kg	Free alkali	≤ 0.0003 meq/g
Refractive index at 20°C	1.342 - 1.346	Non volatile residue	≤ 10 mg/Kg	Density d _{20/20}	0.780 - 0.785	Propionitrile	≤ 300 mg/Kg
Identification (IR)	Conform	Colour	≤ 10 Hazen	Iron (Fe)	≤ 0.5 mg/Kg		
Boiling point	80.0 - 82.5 °C	Assay (GC)	≥ 99.9 %	Copper (Cu)	≤ 0.5 mg/Kg		

Code	Size	Packaging	Notes
P0061010	200 ml	Bottle with septum	
P00610S10	200 ml	Bottle with septum	Water content < 50 ppm
P00610T10	200 ml	Bottle with septum	On molecular sieves 3A
P0061016	1 l	Glass bottle	
P00610S16	1 l	Glass bottle	Water content < 50 ppm
P0061021	2.5 l	Glass bottle	
P00610S21	2.5 l	Glass bottle	Water content < 50 ppm

Acetonitrile > RS - For peptide synthesis

RS

Appearance	Clear colourless liquid	Density d _{20/20}	0.780 - 0.785	Water content (K.F.)	≤ 30 mg/Kg	Assay (GC)	≥ 99.9 %
Refractive index at 20°C	1.342 - 1.346	Boiling point	80.0 - 82.5 °C	Colour	≤ 10 Hazen	Non volatile residue	≤ 5 mg/Kg

Code	Size	Packaging	Notes
P0063510	200 ml	Bottle with septum	
P0063516	1 l	Glass bottle	
P0063521	2.5 l	Glass bottle	

Acetonitrile > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear colourless liquid	Water (K.F.)	≤ 500 ppm	K	≤ 0.05 ppm	Assay (GLC)	≥ 99.8 %
Identification	Positive	Residue on evaporation	≤ 10 ppm	Mg	≤ 0.05 ppm	Colour (APHA)	≤ 10
Density at 20° C	0.781 ÷ 0.785	Ca	≤ 0.2 ppm	Na	≤ 1 ppm	Acidity	≤ 8 µeq/g
Refractive index at 20°C	1.3410 ÷ 1.3450	Cu	≤ 0.05 ppm	Pb	≤ 0.05 ppm	Alcalinity	≤ 0.6 µeq/g
Distillation range 95% distils between	80 - 82 °C	Fe	≤ 0.2 ppm	Zn	≤ 0.5 ppm	Litmus paper test	Conform

Code	Size	Packaging	Notes
401183000	1 l	Glass bottle	
401185000	2.5 l	Glass bottle	

Acetonitrile > RE - Pure

RE

Appearance	Clear colourless liquid	Colour	Colourless	Water content (K.F.)	≤ 500 mg/Kg	Assay (GC)	≥ 99.9 %
Refractive index at 20°C	1.342 - 1.346	Density d _{20/20}	0.780 - 0.785	Free acid (as CH ₃ COOH)	≤ 20 mg/Kg		
Identification (IR)	Conform	Boiling point	80.0 - 82.5 °C	Non volatile residue	≤ 20 mg/Kg		

Code	Size	Packaging	Notes
P0060228	5 l	Plastic tank	
P0060248	25 l	Metal drum	
P0060268	200 l	Metal drum	

**Acetonitrile + 0.1% v/v formic acid**

- Acetonitrile + 0.1% v/v acido formico • Acétonitrile + 0.1% v/v d'acide formique • Acetonitrilo+ 0.1% v/v acido formico
- Acetonitril + 0,1% v/v Ameisensäure

CH₃CN
Molecular Weight: 41,05
CAS: 75-05-8

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II



Danger
H225-H302-H332-H319
P210-P241-P280-P303+P361+P353-P304+P340-P305+P351+P338

Acetonitrile + 0.1% v/v formic acid > RS - For LC/MS**RS**

Description	Clear colourless liquid	At 210 nm	≥ 5 %	Al	≤ 0.5 ppm	Raw material used
Colour	≤ 10 APHA	At 230 nm	≥ 15 %	Fe	≤ 0.5 ppm	Acetonitrile LC-MS(code 412342) Batch number
Acidity (formic acid)	0.095 ÷ 0.105 %	Assay (CPG)	≥ 99.5 %	Ca	≤ 0.5 ppm	Formic acid 98-99% (code 405820) . Batch number
HPLC Gradient		Test LC-MS TIC (100-2000m/z)		Mg	≤ 0.5 ppm	
At 254 nm	≤ 50 mAU	Sensitive Impurities (reserpine).....	≤ 50 ppb	Na	≤ 2 ppm	
Transmittance		Metals content		K	≤ 0.5 ppm	

Code	Size	Packaging	Notes
412331	1 l	Glass bottle	
412332	2.5 l	Glass bottle	

**Acetonitrile + 0.1% v/v trifluoroacetic acid**

- Acetonitrile + 0.1% v/v acido trifluoroacetico • Acétonitrile + 0.1% v/v d'acide trifluoroacétique • Acetonitrilo+ 0.1% v/v acido trifluoroacético
- Acetonitril + 0.1% v/v trifluoressigsäure

CH₃CN
Molecular Weight: 41,05
CAS: 75-05-8

Classification transport
ONU: 1648
Transport Hazard class: 3
Packing group II



Danger
H225-H302-H332-H319
P210-P241-P280-P303+P361+P353-P304+P340-P305+P351+P338

Acetonitrile + 0.1% v/v trifluoroacetic acid > RS - For LC/MS**RS**

Description	Clear colourless liquid	UV transmittance (1 cm, ref. water)	At 365 nm	≤ 0.5 ppb	Al	≤ 30 ppb
Assay (GC) (without TFA)	≥ 99.9 %	At 195 nm	≥ 20 %	HPLC gradient	Fe	≤ 50 ppb
Trifluoroacetic acid content (V/V)	0.095 - 0.105 %	At 230 nm	≥ 50 %	Drift at 254 nm	≤ 30 mAU	Na
Water (K.F.)	≤ 150 ppm	At 254 nm	≥ 90 %	Test LC-MS TIC (50-2000m/z) ES I(+)		Ca
Residue on evaporation	≤ 2 ppm	At 260 nm	≥ 95 %	Sensitive Impurities (reserpine).....	≤ 50 ppb	Mg
		Fluorescence (quinine)		Metals compounds		K

Code	Size	Packaging	Notes
412321	1 l	Glass bottle	
412322	2.5 l	Glass bottle	

**Acetonitrile-d3**

- Acetonitrile-d3 • Acétonitrile-d3 • Acetonitrilo-d3 • Acetonitril-d3

Synonym:
Trideuteroacetonitrile

CD₃CN
Molecular Weight: 44,07
CAS: 2206-26-0
EEC-N: 218-616-5

Classification transport
ONU: 1648
Transport Hazard class: 3
Packing group II



Danger
H225-H302-H312-H332-H319
P210-P241-P280-P303+P361+P353-P304+P340-P305+P351+P338

Acetonitrile-d3 > RS - For NMR - min 99.8%**RS**

Code	Size	Packaging	Notes
P5070	2 x 0.6 ml	Glass ampoule	
P5079	10 x 0.75 ml	Glass ampoule	
P5073A	5 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Acetophenone
 • Acetofenone • Acétophénone • Acetofenona • Acetophenon

Synonym:
Methyl phenyl ketone

C6H5COCH3
 Molecular Weight: 120,15
 CAS: 98-86-2
 EEC-N: 202-708-7



Warning
 H302-H319
 P264-P280i-P301+P312a-P305+P351+P338-
 P337+P313-P501a

Acetophenone > RE - Pure

RE

Description Clear, colourless to pale yellow Density at 20° C 1.018 ÷ 1.038 Boiling point 200.5 ÷ 203.5 ° C
 Identification Positive Refractive index at 20°C 1.5283 ÷ 1.5383 Assay (GLC) ≥ 98.5 %

Code	Size	Packaging	Notes
301251	1 l	Glass bottle	

Acetylacetone
 • Acetilacetone • Acétylacétone • Acetilacetona • Acetylaceton

Synonym:
 • 2,4-Pentanedione
 • Diacetylmethane

CH3COCH2COCH3
 Molecular Weight: 100,12
 CAS: 123-54-6
 EEC-N: 204-634-0

Classification transport
 ONU: 2310
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H302-H311-H331
 P210-P280-P303+P361+P353-P304+P340-P311a-
 P330-P361+P364-P403+P233

Acetylacetone > RPE - For analysis

RPE

Description Clear liquid Water miscibility Conform Refractive index at 20°C. 1.4510 ÷ 1.4540 Residue on evaporation ≤100 ppm
 Identification (I.R.) Conform Density at 20° C 0.971 ÷ 0.981 Water (K.F.) ≤0.1 % Assay (GLC) ≥99.5 %

Code	Size	Packaging	Notes
400305	100 ml	Glass bottle	
400307	1 l	Glass bottle	

n-Acetyl-L-cysteine
 • n-Acetil-L-cisteina • n-Acétyl-L-cystéine • n-Acetil-L-cisteina • n-Acetyl-L-cystein

Synonym:
LNAC

HSCH2CH(NHCOCH3)COOH
 Molecular Weight: 163,19
 CAS: 616-91-1
 EEC-N: 210-498-3

n-Acetyl-L-cysteine > RPE - For analysis

RPE

Description White crystals Identification Positive Ash < 0.5 % Assay (acidimetric) > 97.5 %

Code	Size	Packaging	Notes
400522	100 g	Glass bottle	

p-Acetylphenetidine
 • p-Acetilfenetidina • p-Acétylphénétidine • p-Acetilfenetidina • Phenacetin

Synonym:
 • Phenacetin
 • Acetophenelide

C2H5OC6H4NHCOCH3
 Molecular Weight: 179,22
 CAS: 62-44-2
 EEC-N: 200-533-0



Warning
 H302-H312-H332
 P261-P264-P271-P280h-P301+P312a-P304+P340

p-Acetylphenetidine > RE - Pure

RE

Description White crystalline powder Identification Positive Melting point 133 ÷ 138 ° C Assay (HPLC) > 96.0 %

Code	Size	Packaging	Notes
300857	1 kg	Plastic bottle	

Acid Red 51 ▶ Erythrosin extra B

Acid Red 87 ▶ Eosin Y

Acid Red 91 ▶ Eosin B

Acid Violet 19 ▶ Fuchsin acid

ACN ▶ Acetonitrile

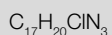


Acridine orange

• Arancio acridina • Orange acridine • Anaranjado de acridina • Acridinorange

Synonym:

3,6-Bis(dimethylamino)acridine hydrochloride



Molecular Weight: 301,82

CAS: 65-61-2

EEC-N: 200-614-0

Acridine orange > RS - For microscopy - C.I. 46005

RS

Description Orange powder Identification Positive

Code	Size	Packaging	Notes
423461	25 g	Plastic bottle	



ADF Solution

• Soluzione ADF • Solution ADF • Solución ADF • ADF Lösung

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group III



Warning

H315-H319-H412

P264-P280a-P305+P351+P338-P332+P313-

P362+P364-P337+P313

ADF Solution > RPE - For analysis

RPE

Density at 20°C 1.020 ÷ 1.040

Code	Size	Packaging	Notes
526625	2.5 l	Plastic bottle	
526623	10 l	Plastic tank	

Composition: Trimethylcethylammonium bromure: 20 g Sulfuric acid 1N: QSP 1 L according to NF V18-122

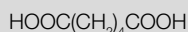


Adipic acid

• Acido adipico • Acide adipique • Acido adipico • Adipinsäure

Synonym:

Hexanedioic acid



Molecular Weight: 146,14

CAS: 124-04-9

EEC-N: 204-673-3



Warning

H319

P264-P280i-P305+P351+P338-P337+P313

Adipic acid > RPE - For analysis

RPE

Description White crystalline powder Solution colour ≤ 5 APHA Water ≤ 0.2 % HNO₃ ≤ 4 ppm
 Identification Positive Melting point 151 ÷ 153 °C Residue on ignition ≤ 0.0002 % Assay (acidimetric) ≥ 99 %

Code	Size	Packaging	Notes
401785	250 g	Plastic bottle	



β-Alanine

• β-Alanina • β-Alanine • β-Alanina • β-Alanin

Synonym:
3-Aminopropionic acid

NH₂CH₂CH₂COOH
Molecular Weight: 89,09
CAS: 107-95-9
EEC-N: 203-536-5

β-Alanine > RPE - For analysis

RPE

Description White crystalline powder Ammonium ≤ 1000 ppm Residue on ignition ≤ 0.2 % Assay (non-aqueous medium) ≥ 98.5 %
Identification Positive Chloride ≤ 400 ppm Sulphate ≤ 480 ppm
Loss on drying ≤ 0.5 % Heavy metals (Pb) ≤ 10 ppm Fe ≤ 30 ppm

Code	Size	Packaging	Notes
413603	50 g	Glass bottle	



Albumin from eggs powder

• Albumina d'uovo polvere • Albumine d'oeuf poudre • Albúmina de huevo polvo • Albumin aus Eipulver

CAS: 9006-59-1
EEC-N: 232-692-7

Albumin from eggs powder > RE - Pure

RE

Description White powder yellowish Identification Positive pH 6.0 ÷ 8.0 Water (K.F.) ≤ 8.0 %

Code	Size	Packaging	Notes
413671	1 kg	Plastic bottle	
413672	5 kg	Plastic bottle	



Albumin from eggs, dried

• Albumina d'uovo secca • Albumine d'oeuf sèche • Albúmina de huevo desecada • Eiweiß aus Eiern, getrocknet

CAS: 9006-59-1
EEC-N: 232-692-7

Albumin from eggs, dried > RS - For biochemistry

RS

Description White powder yellowish Identification Positive

Code	Size	Packaging	Notes
413654	100 g	Plastic bottle	
413656	500 g	Plastic bottle	



Alcian Blue 8GS 1%

• Blu alcian 8GS 1% • Bleu alcian 8GS 1% • Azul de alcian 8GS 1% • Alcianblau 8GS 1%

Synonym:
Ingrain Blue 1

C₅₆H₆₈N₁₆CuS₄Cl₄ HEU210
Molecular Weight: 1298,88
CAS: 75881-23-1

Alcian Blue 8GS 1% > RS - For microscopy

RS

Description Blue clear liquid 672 - 680 nm 005g/L 0.35 - 0.55
Maximum lambda absorption max (DMSO). Absorbance(Lambda max;DMSO;dil.0. pH at 20°C 2.4 - 2.6

Code	Size	Packaging	Notes
428551	250 ml	Glass bottle	

**Alcian blue 8GX**

• Blu alcian 8GX • Bleu alcian 8GX • Azul de alcian 8GX • Alcianblau 8GX

Synonym:
Ingrain Blue 1

$C_{56}H_{68}N_{16}CuS_4Cl_4$
Molecular Weight: 1298,88
CAS: 33864-99-2
EEC-N: 251-705-7

Alcian blue 8GX > RS - For microscopy - C.I. 74240

RS

Description Violet crystalline powder Identification Positive

Code	Size	Packaging	Notes
428561	25 g	Glass bottle	

Dye for histochemistry**Alizarin**

• Alizarina • Alizarine • Alizarina • Alizarin

Synonym:
• 1,2-Dihydroxyanthraquinone
• Mordant Red 11

$C_{14}H_8O_4$
Molecular Weight: 240,21
CAS: 72-48-0
EEC-N: 200-782-5

**Warning**H302
P264-P270-P301+P312a-P330-P501a**Alizarin > RPE - For analysis - C.I. 58000**

RPE

Description Orange red powder Loss on drying ≤2 % Assay ≥96.0 %
Identification Positive Aluminium sensitivity ≥0.1 µg/ml

Code	Size	Packaging	Notes
415892	25 g	Glass bottle	

Dye for microscopy. Indicator acid - base (pH 5.8 to 7.2 - 11.0 to 13.0)**Alizarin red**

• Rosso alizarina • Rouge Alizarine • Rojo Alizarina • Alizarinrot S

Synonym:
• Alizarin sulfonic acid sodium salt
• 3,4-Dihydroxy-9,10-dioxo-2-anthracenesulfonic acid sodium salt

$C_{14}H_7NaO_7S$
Molecular Weight: 342,26
CAS: 130-22-3
EEC-N: 204-981-8

Alizarin red > RPE - For analysis - C.I. 58005

RPE

Description Brown orange powder Identification Positive Colour change yellow violet pH range 5.0 - 6.6

Code	Size	Packaging	Notes
416002	25 g	Glass bottle	

**Alizarin saturated solution in ethanol**• Alizarina soluzione satura in alcole etilico • Alizarine solution saturée dans l'éthanol
• Alizarina solución saturada en alcohol etílico • Alizarin gesättigte Lösung in EthanolSynonym:
• 1,2-Dihydroxyanthraquinone
• Mordant Red 11

$C_{14}H_8O_4$
Molecular Weight: 240,21
CAS: 72-48-0

Classification transportONU: 1170
Transport Hazard class: 3
Packing group II**Danger**H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313**Alizarin saturated solution in ethanol > RPE - For analysis**

RPE

Description Orange brown liquid Identification Positive

Code	Size	Packaging	Notes
E415932	250 ml	Bottle	

Indicator acid - base. Indicator for absorption and complexometry. Saturated alcoholic solution



Alizarin yellow R

• Giallo alizarina R • Jaune d'alizarine R • Amarillo de alizarina R • Alizaringelb R

Synonym:

- Mordant Orange 1
- 5-(4-Nitrophenylazo)salicylic acid

$C_{13}H_9N_3O_5$
Molecular Weight: 287,23
CAS: 2243-76-7
EEC-N: 218-818-3



Warning

H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Alizarin yellow R > RPE - For analysis - C.I. 14030

RPE

Description Brown crystalline powder Loss on drying ≤15 % Colour change yellow-orange
Identification Positive Residue on ignition 18.0 ÷ 28.0 % E (1% ÷ 1 cm) a 492 nm 700 ÷ 1000

Code	Size	Packaging	Notes
453451	10 g	Glass bottle	



Alkali blue 6B

• Blu alcali 6B • Bleu alcalin 6B • Azul de alcali 6B • Alkaliblau 6B

Synonym:

Acid blue 10

$C_{37}H_{29}N_3O_3S$
Molecular Weight: 595,72
CAS: 1324-76-1
EEC-N: 215-385-2

Alkali blue 6B > RS - For microscopy - C.I. 42765

RS

Description Brown violet powder Identification Positive

Code	Size	Packaging	Notes
428532	25 g	Glass bottle	

Dye for cytology



Alkali Blue 6B solution 2% in ethanol

• Blu alcali 6B soluzione 2% in alcol etilico • Bleu alcalin 6B solution 2% dans l'éthanol
• Azul de alcali 6B solución 2% en alcohol etílico • Alkaliblaue 6B 2% ige Lösung in Ethanol

Synonym:

Acid blue 10

$C_{32}H_{28}N_3NaO_4S$
Molecular Weight: 613,72
CAS: 1324-76-1

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Alkali Blue 6B solution 2% in ethanol > RPE - For analysis

RPE

Description Blue liquid Identification Positive

Code	Size	Packaging	Notes
E428541	250 ml	Bottle	

Alkylbenzyltrimethylammonium chloride ▶ Benzalkonium chloride



Allylthiourea

• Allitiourea • Allylthiourée • Allitiourea • Allylthioharnstoff

Synonym:

- 1-Allyl-2-thiourea
- Thiosinamine

$CH_2=CHCH_2NHCSNH_2$
Molecular Weight: 116,19
CAS: 109-57-9
EEC-N: 203-683-5

Classification transport

ONU: 2811
Transport Hazard class: 6.1
Packing group III



Danger

H301
P264-P270-P301+P310a-P330-P405-P501a

Allylthiourea > RPE - For analysis

RPE

Description White crystalline powder Melting point 70 ÷ 78 ° C Assay (ex nitrogen) 97.5 ÷ 102.5 %
Identification Positive Perdita essiccamento (50°C) ≤ 1.5 %

Code	Size	Packaging	Notes
416281	25 g	Glass bottle	
416283	100 g	Glass bottle	

Almond oil ▶ Oil refined of almonds

Alumina ▶ Aluminum hydroxide

**Alumina white**

• Allumina bianca • Alumine blanche • Alúmina blanca • Weißes Aluminiumoxid

Synonym:
Alumina

Molecular Weight: 101,96

CAS: 1344-28-1

EEC-N: 215-691-6

Alumina white > RS - For metallography (Medium metals)

RS

Description White suspension Identification Positive

Code	Size	Packaging	Notes
416531	120 g	Plastic bottle	

**Aluminum, powder**

• Alluminio, polvere • Aluminium, poudre • Aluminio, polvo • Aluminium, pulver

Al

Molecular Weight: 26,98

CAS: 7429-90-5

EEC-N: 231-072-3

Classification transport

ONU: 1396

Transport Hazard class: 4.3

Packing group II

**Danger**

H250-H261

P210-P222-P223-P231a+P232-P280-P402+P404

Aluminum, powder > RPE - For analysis

RPE

Description Grey powder Cu..... ≤ 0.03 % Zn..... ≤ 0.08 %
Identification Positive Fe..... ≤ 0.6 % Assay (complexometric)..... ≥ 95 %

Code	Size	Packaging	Notes
416817	1 kg	Metallic can	
416815	25 kg	Plastic bucket	

**Aluminum standard solution**

• Alluminio standard soluzione • Aluminium standard solution • Aluminum, solución patrón • Aluminium-Standardlösung

Classification transport

ONU: 3264

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Aluminum standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000200	100 ml	Plastic bottle	A 200 ppm solution Ref Ph.Eur 5000200
615000201	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000201
615000202	100 ml	Plastic bottle	A 2 ppm solution: to dilute according to Ref Ph.Eur 5000202
615000203	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5000203

Aluminum standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505307	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505308	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505309	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Aluminum standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503411	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503413	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503415	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503417	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Aluminum standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
504190	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504186	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497405	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497401	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Aluminum standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
416581		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Aluminum ammonium sulfate dodecahydrate

- Alluminio ammonio solfato dodecaidrato • Aluminium ammonium sulfate dodécahydraté
- Aluminio y amonio sulfato dodecahidrato • Aluminiumammoniumsulfat-Dodecahydrat

Synonym:

- Ammonium alum
- Ammonium aluminum sulfate dodecahydrate

$\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Molecular Weight: 453,34
CAS: 7784-26-1



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Aluminum ammonium sulfate dodecahydrate > RPE - For analysis

RPE

Description White crystals Identification Positive Assay (complexometric) ≥ 98.5 % Loss on drying (300°C)..... 45 ÷ 48 %

Code	Size	Packaging	Notes
416895	500 g	Plastic bottle	
416897	1 kg	Plastic bottle	
416892	25 kg	Plastic bucket	

Aluminum ammonium sulfate dodecahydrate > RE - Pure

RE

Description . White semitransparent crystals Chloride..... ≤50 ppm Heavy metals (Pb)..... ≤100 ppm Assay (complexometric) ≥97 %
Identification Positive Water-insoluble matter ≤500 ppm Fe ≤30 ppm

Code	Size	Packaging	Notes
311009	5 kg	Plastic tank	
311002	25 kg	Plastic bucket	



Aluminum chloride anhydrous

• Alluminio cloruro anidro • Aluminium chlorure anhydre • Aluminio cloruro anhidro • Aluminiumchlorid. wasserfrei

AlCl₃
Molecular Weight: 133,34
CAS: 7446-70-0
EEC-N: 231-208-1

Classification transport
ONU: 1726
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Aluminum chloride anhydrous > RE - Pure

RE

Description ... Yellow grey crystalline powder Identification Positive Fe ≤ 100 ppm Assay (complexometric) ≥ 99.0 %

Code	Size	Packaging	Notes
416996	500 g	Glass bottle	



Aluminum chloride hexahydrate

• Alluminio cloruro esadrato • Aluminium chlorure hexahydraté • Aluminio cloruro hexahidrato • Aluminiumchlorid-Hexahydrat

AlCl₃·6H₂O
Molecular Weight: 241,44
CAS: 7784-13-6
EEC-N: 231-208-1



Warning
H302-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Aluminum chloride hexahydrate > RPE - For analysis - Reag. Ph. Eur.

RPE

Description white or slightly yellow, crystalline powder
..... or colourless crystals, deliquescent.
Identification Positive
pH sol. 5% at 25° C 2.5 ÷ 3.5

Sulphate ≤ 50 ppm
Cd ≤ 50 ppm
Cu ≤ 50 ppm
Fe ≤ 50 ppm

Zn ≤ 50 ppm
Assay (complexometric) ≥ 99 %
Ca ≤ 100 ppm
Co ≤ 50 ppm

K ≤ 100 ppm
Na ≤ 0.05 %
Ni ≤ 50 ppm
Pb ≤ 50 ppm

Code	Size	Packaging	Notes
416942	100 g	Plastic bottle	
416943	500 g	Plastic bottle	
416947	1 kg	Plastic bottle	
416949	5 kg	Plastic tank	
416945	25 kg	Plastic bucket	

Aluminum chloride hexahydrate > ERBApharm - According to pharmacopeia: Ph.Eur.-USP

ERBApharm

Description white or slightly yellow, crystalline powder
Identification A Positive

Identification B Positive
Appearance of solution Conform Ph. Eur.
Water (K.F) 42.0 ÷ 48.0 %

Alkali and alkaline-earth metals ≤ 0.5 %
Sulfate ≤ 100 ppm
Heavy metals (Pb) ≤ 20 ppm

Fe ≤ 10 ppm
Assay (complexometry) 95.0 - 101.0 %

Code	Size	Packaging	Notes
311257	1 kg	Plastic bottle	
311252	5 kg	Plastic tank	
311256	25 kg	Plastic bucket	
311254	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

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Aluminum hydroxide

• Alluminio idrossido • Aluminium hydroxyde • Aluminio hidróxido • Aluminiumhydroxid

Al(OH)₃
Molecular Weight: 78
CAS: 21645-51-2
EEC-N: 244-492-7



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Aluminum hydroxide > RPE - For analysis

RPE

Description White powder Loss on ignition ≤ 36.5 % Soluble matter in water ≤ 0.2 %
Identification (I.R.) Positive pH sol. 5% 8.5 - 10.0 Assay (Al2O3) ≥ 63.5 %

Code	Size	Packaging	Notes
417046	500 g	Plastic bottle	
417047	1 kg	Plastic bottle	

Aluminum hydroxide > RE - Pure

RE

Description White powder Identification (I.R.) Positive Assay (Al2O3) ≥ 60 %

Code	Size	Packaging	Notes
311734	1 kg	Plastic bottle	



Aluminum nitrate nonahydrate

• Alluminio nitrato nonaidrato • Aluminium nitrate nonahydraté • Aluminio nitrato nonahydrate • Aluminiumnitrat-Nonahydrat

Al(NO₃)₃·9H₂O
Molecular Weight: 375,13
CAS: 7784-27-2
EEC-N: 236-751-8

Classification transport

ONU: 1438
Transport Hazard class: 5.1
Packing group III



Danger

H272-H315-H319
P210-P280-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Aluminum nitrate nonahydrate > RPE - For analysis

RPE

Description Semitransparent crystals pH sol. 5% at 20°C 2.5 ÷ 3.5 Sulphate ≤ 50 ppm Assay ≥ 99 %
Identification Positive Chloride ≤ 20 ppm Fe ≤ 50 ppm

Code	Size	Packaging	Notes
417095	100 g	Plastic bottle	
417096	500 g	Plastic bottle	
417097	1 kg	Plastic bottle	

Aluminum nitrate nonahydrate > RE - Pure

RE

Description Cristalli trasparenti Identification Positive Assay (complexometric) ≥ 98 %

Code	Size	Packaging	Notes
312007	1 kg	Plastic bottle	
312008	5 kg	Plastic tank	
312001	25 kg	Plastic bucket	

**Aluminum oxide**

• Alluminio ossido • Aluminium oxyde • Aluminio óxido • Aluminiumoxid

Synonym:
Alumina

Al₂O₃
 Molecular Weight: 101,96
 CAS: 1344-28-1
 EEC-N: 215-691-6

Aluminum oxide > RPE - For analysis - Reag. Ph. Eur.**RPE**

Description White powder Heavy metals (as Pb) ≤ 0.005 % Assay (complexometry) ≥ 98 % Silicate (as SiO₂) ≤ 0.1 %
 Identification Positive Sulfate ≤ 0.05 % Loss on ignition ≤ 0.5 %
 Chloride ≤ 0.005 % Fe ≤ 0.03 % Alkalis (as Na₂O) ≤ 0.2 %

Code	Size	Packaging	Notes
417144	100 g	Plastic bottle	
417145	250 g	Plastic bottle	
417146	500 g	Plastic bottle	
417147	1 kg	Plastic bottle	

Aluminum oxide > RE - Pure**RE**

Description White powder Fe₂O₃ ≤ 250 ppm Si ≤ 400 ppm
 Identification Positive Na₂O ≤ 0.25 % Assay (complexometric) ≥ 99.5 %

Code	Size	Packaging	Notes
312258	2.5 kg	Plastic bucket	
312259	5 kg	Plastic tank	
312252	25 kg	Plastic bucket	

**Aluminum oxide (acid)**

• Alluminio ossido (acido) • Aluminium oxyde (acide) • Aluminio óxido (ácido) • Aluminiumoxid (Säure)

Synonym:
Alumina

Al₂O₃
 Molecular Weight: 101,96
 CAS: 1344-28-1
 EEC-N: 215-691-6

Aluminum oxide (acid) > RS - For chromatography according to Brockmann**RS**

Description White crystalline powder Identification Positive Activity grade 1 Conform

Code	Size	Packaging	Notes
417185	250 g	Plastic bottle	
417182	1 kg	Plastic bottle	

**Aluminum oxide (basic)**

• Alluminio ossido (basico) • Aluminium oxyde (basique) • Aluminio óxido (básico) • Aluminiumoxid (basisch)

Synonym:
Alumina

Al₂O₃
 Molecular Weight: 101,96
 CAS: 1344-28-1
 EEC-N: 215-691-6

Aluminum oxide (basic) > RS - For chromatography according to Brockmann**RS**

Description White granular powder Identification Positive Activity grade 1 Conform

Code	Size	Packaging	Notes
417214	100 g	Plastic bottle	
417217	1 kg	Plastic bottle	



Aluminum oxide (neutral)

• Alluminio ossido (neutro) • Aluminium oxyde (neutre) • Aluminio óxido (neutro) • Aluminiumoxid (neutral)

Synonym:
Alumina

Al_2O_3
Molecular Weight: 101,96
CAS: 1344-28-1
EEC-N: 215-691-6

Aluminum oxide (neutral) > RS - For chromatography according to Brockmann

RS

Description White granular powder Activity grade 1 Conform Fe2O3 ≤ 0.03 % Na2O ≤ 0.4 %
Identification Positive pH suspension 10% H2O 6.5 ÷ 7.5 SiO2 ≤ 0.03 %

Code	Size	Packaging	Notes
417245	250 g	Plastic bottle	
417241	1 kg	Plastic bottle	



Aluminum oxide activated

• Alluminio ossido attivo • Aluminium oxyde actif • Aluminio óxido activo • Aluminiumoxid aktiviert

Synonym:
Alumina

Al_2O_3
Molecular Weight: 101,96
CAS: 1344-28-1
EEC-N: 215-691-6

Aluminum oxide activated > RE - Pure

RE

Description Whitish granules Identification Positive Diameter 0.1 ÷ 0.5 mm

Code	Size	Packaging	Notes
312261	1 kg	Plastic bottle	



Aluminum potassium sulfate dodecahydrate

• Alluminio potassio solfato dodecaidrato • Aluminium potassium sulfate dodécahydraté
• Aluminio y potasio sulfato dodecahidrato • Aluminiumkaliumsulfat-Dodecahydrat

Synonym:
Potassium aluminum sulfate dodecahydrate

$AlK(SO_4)_2 \cdot 12H_2O$
Molecular Weight: 474,39
CAS: 7784-24-9

Aluminum potassium sulfate dodecahydrate > RPE - For analysis - ACS

RPE

Description White crystals Ammonium ≤ 50 ppm Fe ≤ 10 ppm
Identification Positive Chloride ≤ 5 ppm Na ≤ 200 ppm
Water-insoluble matter ≤ 50 ppm Heavy metals (Pb) ≤ 10 ppm Assay (complexometric) 98.0 ÷ 102.0 %

Code	Size	Packaging	Notes
417295	100 g	Plastic bottle	
417296	500 g	Plastic bottle	
417297	1 kg	Plastic bottle	

Aluminum potassium sulfate dodecahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP

ERBApharm

Description White crystalline powder pH 10% at 25° C 3.0 ÷ 3.5 Heavy metals (Pb) ≤ 20 ppm
Identification Positive Loss on drying 43.0 ÷ 46.0 % Fe ≤ 100 ppm
Appearance of solution Conform Ph.Eur. Ammonium ≤ 0.2 % Assay (complexometric) 99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
312401	1 kg	Plastic bottle	
312404	5 kg	Plastic tank	
312402	10 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Aluminum potassium sulfate dodecahydrate > RE - Pure**RE**

Description White crystalline powder Water-insoluble matter ≤ 500 ppm Fe ≤ 300 ppm
 Identification Positive Heavy metals (Pb) ≤ 50 ppm Assay (complexometric) ≥ 97 %

Code	Size	Packaging	Notes
312508	2.5 kg	Plastic bottle	

**Aluminum sulfate**

• Alluminio solfato • Aluminium sulfate • Aluminio sulfato • Aluminiumsulfat

$Al_2(SO_4)_3 \cdot 18H_2O$
 Molecular Weight: 666,43
 CAS: 7784-31-8
 EEC-N: 233-135-0

**Danger**

H318
 P280i-P305+P351+P338-P310a

Aluminum sulfate > RPE - For analysis - ACS**RPE**

Description White crystals Water-insoluble matter ≤ 100 ppm Fe ≤ 20 ppm Mg ≤ 20 ppm
 Identification Positive Heavy metals (Pb) ≤ 10 ppm Assay (complexometric) 98.0 ÷ 102.0 % Na ≤ 0.02 %
 Ca ≤ 100 ppm Chloride ≤ 50 ppm K ≤ 50 ppm

Code	Size	Packaging	Notes
417424	100 g	Plastic bottle	
417425	500 g	Plastic bottle	
417427	1 kg	Plastic bottle	

Aluminum sulfate > RE - Pure**RE**

Description White crystals Heavy metals (Pb) ≤ 50 ppm Assay (complexometric) 16 ÷ 18 % (Al₂O₃)
 Identification Positive Fe ≤ 100 ppm

Code	Size	Packaging	Notes
312753	5 kg	Plastic tank	
312752	10 kg	Carton box	
312751	25 kg	Plastic bucket	

**Amidoschwarz 10B solution**

• Amido nero 10B in soluzione • Noir amido 10B solution • Negro Amido 10B solution • Amidoschwarz 10B losung

CAS: 1064-48-8

**Warning**

H319
 P264-P280i-P305+P351+P338-P337+P313

Amidoschwarz 10B solution > RS - For agroalimentary analysis**RS**

Density at 20°C 1.006 ÷ 1.012 pH at 20°C 2.30 ÷ 2.50 Absorbance (sol 1/100) at 620 nm 0.700 ÷ 0.730 AU

Code	Size	Packaging	Notes
502050	5 l	Plastic tank	
502051	10 l	Plastic tank	

4-Aminoantipyrine ► 4-Aminophenazone

p-Aminobenzenesulfonamide ► Sulfanilamide

4-Aminobenzenesulfonic acid ► Sulfanilic acid



p-Aminobenzoic acid

• Acido p-amminobenzoico • Acide p-aminobenzoïque • Acido p-aminobenzoico • p-Aminobenzoessäure

Synonym:

- 4-Aminobenzoic acid
- PABA

$H_2NC_6H_4COOH$
Molecular Weight: 137,14
CAS: 150-13-0
EEC-N: 205-753-0

H412
P273-P501a

p-Aminobenzoic acid > ERBapharm - According to pharmacopoeia: USP

ERBapharm

Description Yellowish powder Organic impurities Conform USP Loss on drying ≤0.2 % Assay (acidimetric) 98.0 ÷ 102.0 % s.s.
Identification A (USP) Positive Aniline ≤ 10 ppm Sulphated ash ≤0.1 %
Identification B (USP) Positive p-Toluidine ≤ 10 ppm Heavy metals (Pb) ≤20 ppm

Code	Size	Packaging	Notes
391804	100 g	Plastic bottle	
391805	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Aminocyclohexane ▶ Cyclohexylamine

2-Aminoethanol ▶ Ethanolamine



Aminohippuric acid reagent

• Acido aminoippurico reattivo • Réactif à l'acide aminohippurique • Reactivo de ácido aminohípúrico • Reagenz mit Aminohippursäure

Classification transport
ONU: 1993

Aminohippuric acid reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611003701	100 ml	Glass bottle	Ref Ph.Eur 1003701

4-Amino-3-hydroxy-1-naphthalenesulfonic acid ▶ 1-Amino-2-naphthol-4-sulfonic acid



1-Amino-2-naphthol-4-sulfonic acid

• Acido 1-ammino-2-naftolo-4-solfonico • Acide 1-amino-2-naphtol-4-sulfonique
• Acido 1-amino-2-naftol-4-sulfonico • 1-Amino-2-naphthol-4-sulfonsäure

Synonym:

4-Amino-3-hydroxy-1-naphthalenesulfonic acid

$NH_2C_{10}H_6(OH)SO_3H$
Molecular Weight: 239,25
CAS: 116-63-2
EEC-N: 204-147-3

1-Amino-2-naphthol-4-sulfonic acid > RPE - For analysis

RPE

Description Pink granular powder Water (K.F) ≤ 5 % Assay ≥ 94 %
Identification Positive Sulphated ash ≤ 0.5 %

Code	Size	Packaging	Notes
402032	25 g	Glass bottle	

For the determination of phosphates



4-Aminophenazone

• 4-Amminofenazone • 4-Aminophénazone • 4-Aminofenazona • 4-Aminophenazon

Synonym:

- 4-Aminoantipyrine
- 4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one

$C_8H_5NN(CH_3)C(CH_3):C(NH_2)CO$
Molecular Weight: 203,25
CAS: 83-07-8
EEC-N: 201-452-3



Warning

H302
P264-P270-P301+P312a-P330-P501a

4-Aminophenazone > RS - For phenols detection

RS

Description Yellowish crystalline powder Melting point 105.5 ÷ 110 °C Residue on ignition ≤ 0.1 %
Identification Positive Loss on drying ≤ 1.5 % Assay (non-aqueous medium) ≥ 97.5 % (s.s.)

Code	Size	Packaging	Notes
418381	25 g	Glass bottle	



m-Aminophenol

• m-Amminofenolo • m-Aminophenol • m-Aminofenol • m-Aminophenol

Synonym:

3-Aminophenol

$NH_2C_6H_4OH$
Molecular Weight: 109,13
CAS: 591-27-5
EEC-N: 209-711-2

Classification transport

ONU: 2512
Transport Hazard class: 6.1
Packing group III



Warning

H302-H332-H411
P261-P264-P271-P301+P312a-P304+P340-P501a

m-Aminophenol > RE - Pure

RE

Description Yellowish powder Identification Positive Melting point 122 ÷ 126 °C Assay (ex nitrogen) ≥ 98 %

Code	Size	Packaging	Notes
418564	100 g	Glass bottle	



p-Aminophenol

• p-Amminofenolo • p-Aminophénol • p-Aminofenol • p-Aminophenol

Synonym:

- 4-Aminophenol
- 4-Hydroxyaniline

$NH_2C_6H_4OH$
Molecular Weight: 109,13
CAS: 123-30-8
EEC-N: 204-616-2

Classification transport

ONU: 2512
Transport Hazard class: 6.1
Packing group III



Warning

H302-H332-H341-H410
P261-P264-P271-P280-P304+P340-P308+P313

p-Aminophenol > RE - Pure

RE

Description White powder or yellow Identification Positive Melting point 185 ÷ 195 °C Assay (GLC) ≥ 96.0 %

Code	Size	Packaging	Notes
418594	100 g	Glass bottle	

2-Aminopropane ► Isopropylamine



Aminopyrazolone solution

• Amminopirazolone soluzione • Aminopyrazolone en solution • Aminopirazolone en solución • Aminopyrazol in Lösung

$C_{13}H_{17}N_3O$
Molecular Weight: 231,29
CAS: 58-15-1

Aminopyrazolone solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611004601	100 ml	Glass bottle	



Amman's lactophenol solution

• Lattofenolo d'Amman soluzione • Lactophénol d'Amman en solution • Lactofenol de Amman solución • Lactophenol von Amman in Lösung

Classification transport

ONU: 2810
Transport Hazard class: 6.1
Packing group II



Danger

H302-H331-H314-H341-H373
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P308+P313-
P403+P233

Amman's lactophenol solution > RS - For microscopy

RS

Description Amber liquid Identification Positive Density at 20°C 1.155 ÷ 1.159

Code	Size	Packaging	Notes
457531	100 ml	Glass bottle	

Dye for bacteriology. Contains phenol



Ammonia solution 32%

• Ammoniacca soluzione 32% • Ammoniaque solution 32% • Amonio hidróxido 32% • Ammoniaklösung 32% *Synonym: Ammonium hydroxide solution*

NH₄OH
Molecular Weight: 35,05
CAS: 1336-21-6
EEC-N: 215-647-6

Classification transport

ONU: 2672
Transport Hazard class: 8
Packing group III



Danger

H302-H314-H335-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonia solution 32% > RE - Pure

RE

Description Clear liquid Identification Positive Assay (alcalimetric) 28 ÷ 34 %
Colour ≤ 10 APHA Density at 20°C 0.880 ÷ 0.898

Code	Size	Packaging	Notes
528503	5 l	Plastic bottle	
528501	18 kg	Plastic tank	



Ammonia solution 30%

• Ammoniacca soluzione 30% • Ammoniaque solution 30% • Amonio hidróxido 30% • Ammoniaklösung 30% *Synonym: Ammonium hydroxide solution*

NH₄OH
Molecular Weight: 35,05
CAS: 1336-21-6
EEC-N: 215-647-6

Classification transport

ONU: 2672
Transport Hazard class: 8
Packing group III



Danger

H302-H314-H335-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonia solution 30% > RS - RSE - For electronic use

RS

Description Clear liquid	Ag ≤0.02 ppm	Cu ≤0.01 ppm	Pt ≤0.05 ppm
Colour (APHA) ≤10	Al ≤0.05 ppm	Fe ≤0.03 ppm	Sb ≤0.05 ppm
Identification Positive	As ≤0.025 ppm	Ga ≤0.02 ppm	Sn ≤0.02 ppm
Density at 20° C 0.892 ÷ 0.910	Au ≤0.05 ppm	In ≤0.02 ppm	Sr ≤0.02 ppm
Carbonate ≤5 ppm	B ≤0.01 ppm	K ≤0.2 ppm	Ta ≤0.1 ppm
Chloride ≤0.25 ppm	Ba ≤0.1 ppm	Li ≤0.02 ppm	Ti ≤0.05 ppm
Phosphate ≤0.2 ppm	Be ≤0.02 ppm	Mg ≤0.1 ppm	Tl ≤0.05 ppm
Heavy metals (Pb) ≤0.2 ppm	Bi ≤0.02 ppm	Mn ≤0.01 ppm	V ≤0.05 ppm
Residue on ignition ≤3 ppm	Ca ≤0.2 ppm	Mo ≤0.05 ppm	Zn ≤0.05 ppm
Subst. reducing KMnO ₄ ≤5 ppm	Cd ≤0.01 ppm	Na ≤0.5 ppm	Zr ≤0.05 ppm
Sulphate ≤1 ppm	Co ≤0.01 ppm	Ni ≤0.01 ppm	
Assay (alkalimetric) 28 ÷ 32 %	Cr ≤0.01 ppm	Pb ≤0.01 ppm	

Code	Size	Packaging	Notes
420071	1 l	Plastic bottle	
420073	2 l	Glass bottle	
420077	5 l	Plastic bottle	
420075	25 kg	Combined drum	

Ammonia solution 30% > RPE - For analysis - ACS

RPE

Description	Clear colourless liquid	Heavy metals (Pb).....	≤0.4 ppm	Cd.....	≤0.01 ppm	Na.....	≤1 ppm
Colour (APHA)	≤10	Subst. reducing KMnO4.....	≤8 ppm(5m)	Co.....	≤0.01 ppm	Ni.....	≤0.02 ppm
Identification	Positive	Silicate	≤10 ppm	Cr.....	≤0.02 ppm	Pb.....	≤0.02 ppm
Assay (alkalimetric).....	28.0 ÷ 30.0 %	Sulphide	≤0.1 ppm	Cu.....	≤0.02 ppm	Zn.....	≤0.05 ppm
Density at 20° C	0.892 ÷ 0.910	Sulphate	≤2 ppm	Fe.....	≤0.05 ppm	Nitrate	≤2 ppm
Carbonate.....	≤10 ppm	Ag.....	≤0.02 ppm	K.....	≤0.2 ppm	Residue on ignition.....	≤20 ppm
Chloride.....	≤0.5 ppm	As.....	≤0.02 ppm	Mg.....	≤0.1 ppm		
Phosphate	≤0.3 ppm	Ca.....	≤0.5 ppm	Mn.....	≤0.01 ppm		

Code	Size	Packaging	Notes
419941	1 l	Glass bottle	
419943	2 l	Glass bottle	
419948	2 l	Plastic bottle	
419945	5 l	Plastic bottle	
419946	25 kg	Combined drum	

Ammonia solution 30% > RE - Pure

RE

Description	Clear liquid	Residue on evaporation	≤0.1 %	Sulphate.....	≤500 ppm
Identification	Positive	Chloride.....	≤300 ppm	Fe.....	≤20 ppm
Density at 15° C	0.89 ÷ 0.91	Heavy metals (Pb).....	≤50 ppm	Assay (alkalimetric).....	28 ÷ 32 %

Code	Size	Packaging	Notes
314873	2 l	Glass bottle	
314871	25 kg	Combined drum	



Ammonia solution 28%

• Ammoniaca soluzione 28% • Ammoniaque solution 28% • Amonio hidróxido 28% • Ammoniaklösung 28% • *Synonym: Ammonium hydroxide solution*

NH₄OH
Molecular Weight: 35,05
CAS: 1336-21-6
EEC-N: 215-647-6

Classification transport
ONU: 2672
Transport Hazard class: 8
Packing group III



Danger
H302-H314-H335-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonia solution 28% > ERBApharm - According to pharmacopoeia: NF-FU-Ph.Eur.

ERBApharm

Description	Clear colourless liquid	Carbonate.....	≤ 60 ppm	Fe.....	≤ 0.25 ppm	Ph.Eur.	
Identification	Positive	Chloride.....	≤ 1 ppm	Non volat.substances	≤ 0.002 % m/v	Pyridine and homologues...	Conform Ph.Eur.
Appearance of solution	Conform Ph.Eur.	Sulphate.....	≤ 5 ppm	Assay (alkalimetric).....	27.0 ÷ 30.0 % NH3	Origin (BSE/TSE).....	Synthesis
Density at 20° C	0.892 ÷ 0.910	Heavy metals (Pb).....	≤ 1 ppm	Ready oxidizable substances.....	Conform		

Code	Size	Packaging	Notes
314861	1 l	Glass bottle	
314863	2 l	Glass bottle	
314866	25 kg	Combined drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Ammonia solution 25%

• Ammoniaca soluzione 25% • Ammoniaque solution 25% • Amonio hidróxido 25% • Ammoniaklösung 25% • Ammonium hydroxide solution

Synonym:

NH₄OH
Molecular Weight: 35,05
CAS: 1336-21-6
EEC-N: 215-647-6

Classification transport
ONU: 2672
Transport Hazard class: 8
Packing group III



Danger
H302-H314-H335-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonia solution 25% > RS - RSE - For electronic use

RS

Description	Clear liquid	Assay (alkalimetric).....	24.0 ÷ 26.0 %	Bi.....	≤0.02 ppm	Pb.....	≤0.01 ppm
Density at 20° C	0.901 ÷ 0.907 g/ml	Heavy metals (Pb).....	≤0.2 ppm	Ca.....	≤0.2 ppm	Pt.....	≤0.05 ppm
Colour (APHA)	≤10	Residue on ignition.....	≤3 ppm	Cd.....	≤0.01 ppm	Sb.....	≤0.05 ppm
Sulphated ash	≤ 5 ppm	Subst. reducing KMnO4.....	≤5 ppm	Co.....	≤0.01 ppm	Sn.....	≤0.02 ppm
Identification	Positive	Total sulphur	≤1 ppm	Ga.....	≤0.02 ppm	Sr.....	≤0.02 ppm
Fe	≤ 50 ppb	Ag.....	≤0.02 ppm	In.....	≤0.02 ppm	Ta.....	≤0.1 ppm
Carbonate.....	≤5 ppm	Al.....	≤0.05 ppm	K.....	≤0.2 ppm	Ti.....	≤0.05 ppm
Cu.....	≤ 10 ppb	As.....	≤0.025 ppm	Li.....	≤0.02 ppm	Tl.....	≤0.05 ppm
Chloride.....	≤0.25 ppm	Au.....	≤0.05 ppm	Mg.....	≤0.1 ppm	V.....	≤0.05 ppm
Cr.....	≤ 10 ppb	B.....	≤0.01 ppm	Mn.....	≤0.01 ppm	Zn.....	≤0.05 ppm
Ni.....	≤ 10 ppb	Ba.....	≤0.1 ppm	Mo.....	≤0.05 ppm	Zr.....	≤0.05 ppm
Phosphate	≤0.2 ppm	Be.....	≤0.02 ppm	Na.....	≤0.5 ppm		

Code	Size	Packaging	Notes
420085	5 l	Plastic bottle	
420084	25 kg	Combined drum	
420031	170 kg	Plastic drum	

Ammonia solution 25% > RS - MOS - For electronic use

RS

Description	Clear liquid	Ag.....	≤0.02 ppm	Cu.....	≤0.01 ppm	Pt.....	≤0.05 ppm
Colour (APHA)	≤10	Al.....	≤0.05 ppm	Fe.....	≤0.03 ppm	Sb.....	≤0.05 ppm
Identification	Positive	As.....	≤0.025 ppm	Ga.....	≤0.02 ppm	Sn.....	≤0.02 ppm
Density at 20° C	0.901 ÷ 0.907	Au.....	≤0.05 ppm	In.....	≤0.02 ppm	Sr.....	≤0.02 ppm
Carbonate.....	≤5 ppm	B.....	≤0.01 ppm	K.....	≤0.2 ppm	Ta.....	≤0.1 ppm
Chloride.....	≤0.25 ppm	Ba.....	≤0.1 ppm	Li.....	≤0.02 ppm	Ti.....	≤0.05 ppm
Phosphate	≤0.2 ppm	Be.....	≤0.02 ppm	Mg.....	≤0.1 ppm	Tl.....	≤0.05 ppm
Heavy metals (Pb).....	≤0.2 ppm	Bi.....	≤0.02 ppm	Mn.....	≤0.01 ppm	V.....	≤0.05 ppm
Residue on ignition.....	≤3 ppm	Ca.....	≤0.2 ppm	Mo.....	≤0.05 ppm	Zn.....	≤0.05 ppm
Subst. reducing KMnO4.....	≤5 ppm	Cd.....	≤0.01 ppm	Na.....	≤0.5 ppm	Zr.....	≤0.05 ppm
Total sulphur.....	≤1 ppm	Co.....	≤0.01 ppm	Ni.....	≤0.01 ppm		
Assay (alkalimetric).....	24.0 ÷ 26.0 %	Cr.....	≤0.01 ppm	Pb.....	≤0.01 ppm		

Code	Size	Packaging	Notes
420051	1 l	Plastic bottle	
420052	2.5 l	Plastic bottle	

Ammonia solution 25% > RPE - For analysis

RPE

Description	Clear liquid	Phosphate	≤0.3 ppm	As.....	≤0.02 ppm	K.....	≤0.2 ppm
Colour (APHA)	≤10	Heavy metals (Pb).....	≤0.4 ppm	Ca.....	≤0.5 ppm	Mg.....	≤0.1 ppm
Identification	Positive	Residue on ignition.....	≤3 ppm	Cd.....	≤0.01 ppm	Mn.....	≤0.01 ppm
Density at 20° C	0.904 ÷ 0.910	Subst. reducing KMnO4.....	≤8 ppm(5m)	Co.....	≤0.01 ppm	Na.....	≤1 ppm
Assay (alkalimetric).....	24.0 ÷ 26.0 %	Sulphide	≤0.1 ppm	Cr.....	≤0.02 ppm	Ni.....	≤0.02 ppm
Carbonate.....	≤10 ppm	Total sulphur	≤1 ppm	Cu.....	≤0.02 ppm	Pb.....	≤0.02 ppm
Chloride.....	≤0.5 ppm	Ag.....	≤0.02 ppm	Fe.....	≤0.05 ppm	Zn.....	≤0.05 ppm

Code	Size	Packaging	Notes
419993	2 l	Glass bottle	



Ammonia solution 20 - 22%

- Ammoniaca soluzione 20 - 22% • Ammoniaque solution 20 - 22% • Amonio hidróxido 20 - 22%
- Ammoniaklösung 20 - 22 %

Synonym:
Ammonium hydroxide solution

NH₄OH
Molecular Weight: 35,05
CAS: 1336-21-6

Classification transport
ONU: 2672
Transport Hazard class: 8
Packing group III



Danger
H302-H314-H335-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonia solution 20 - 22% > RS - Ultrapure - For trace analysis at ppt level

RS

Description	Clear colourless liquid	Mg	≤ 20 ppt	Er	≤ 10 ppt	Rh	≤ 10 ppt
Identification	Positive	Mn	≤ 10 ppt	Eu	≤ 10 ppt	Rb	≤ 10 ppt
Ag	≤ 10 ppt	Na	≤ 20 ppt	Gd	≤ 10 ppt	Sm	≤ 10 ppt
Al	≤ 20 ppt	Ni	≤ 10 ppt	Ga	≤ 10 ppt	Sc	≤ 10 ppt
As	≤ 10 ppt	Pb	≤ 10 ppt	Ge	≤ 10 ppt	Te	≤ 10 ppt
Ba	≤ 10 ppt	Sn	≤ 10 ppt	Au	≤ 10 ppt	Tb	≤ 10 ppt
Be	≤ 10 ppt	Sr	≤ 10 ppt	Ho	≤ 10 ppt	Th	≤ 10 ppt
Bi	≤ 10 ppt	Tl	≤ 10 ppt	In	≤ 10 ppt	Tm	≤ 10 ppt
Ca	≤ 20 ppt	Ti	≤ 10 ppt	La	≤ 10 ppt	W	≤ 10 ppt
Cd	≤ 10 ppt	Zn	≤ 10 ppt	Li	≤ 10 ppt	U	≤ 10 ppt
Co	≤ 10 ppt	Assay (alkalimetric)	20 ÷ 22 %	Lu	≤ 10 ppt	V	≤ 10 ppt
Cr	≤ 10 ppt	Sb	≤ 10 ppt	Mo	≤ 10 ppt	Yb	≤ 10 ppt
Cu	≤ 20 ppt	Ce	≤ 10 ppt	Nd	≤ 10 ppt	Y	≤ 10 ppt
Fe	≤ 20 ppt	Cs	≤ 10 ppt	Nb	≤ 10 ppt	Zr	≤ 10 ppt
K	≤ 20 ppt	Dy	≤ 10 ppt	Pr	≤ 10 ppt		

Code	Size	Packaging	Notes
420161	500 ml	Plastic bottle	

Ammonia solution 20 - 22% > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Mg	≤ 1 ppb	Colour (APHA)	≤ 10	Rh	≤ 0.5 ppb
Identification	Positive	Mn	≤ 0.5 ppb	Ce	≤ 0.1 ppb	Rb	≤ 0.1 ppb
Ag	≤ 0.5 ppb	Mo	≤ 0.5 ppb	Cs	≤ 0.1 ppb	Sm	≤ 0.1 ppb
Al	≤ 1 ppb	Na	≤ 1 ppb	Dy	≤ 0.1 ppb	Sc	≤ 0.1 ppb
As	≤ 1 ppb	Ni	≤ 0.5 ppb	Er	≤ 0.1 ppb	Te	≤ 0.1 ppb
Ba	≤ 0.1 ppb	Pb	≤ 0.1 ppb	Eu	≤ 0.1 ppb	Tb	≤ 0.1 ppb
Be	≤ 0.1 ppb	Sb	≤ 0.5 ppb	Gd	≤ 0.1 ppb	Tl	≤ 0.1 ppb
Bi	≤ 0.1 ppb	Se	≤ 1 ppb	Ga	≤ 0.1 ppb	Tm	≤ 0.1 ppb
Ca	≤ 1 ppb	Sn	≤ 0.5 ppb	Ge	≤ 0.1 ppb	W	≤ 0.1 ppb
Cd	≤ 0.5 ppb	Sr	≤ 0.1 ppb	Au	≤ 0.5 ppb	Yb	≤ 0.1 ppb
Co	≤ 0.5 ppb	Ti	≤ 0.5 ppb	Ho	≤ 0.1 ppb	Y	≤ 0.1 ppb
Cr	≤ 0.5 ppb	V	≤ 0.5 ppb	In	≤ 0.1 ppb	Chloride	≤ 0.5 ppm
Cu	≤ 0.5 ppb	Zn	≤ 0.5 ppb	La	≤ 0.1 ppb	Phosphate	≤ 0.01 ppm
Fe	≤ 1 ppb	Zr	≤ 0.1 ppb	Lu	≤ 0.1 ppb	Sulphate	≤ 1 ppm
Hg	≤ 0.2 ppb	Assay (alkalimetric)	20 ÷ 22 %	Nd	≤ 0.1 ppb		
K	≤ 1 ppb	U	≤ 0.1 ppb	Nb	≤ 0.1 ppb		
Li	≤ 0.1 ppb	Th	≤ 0.1 ppb	Pr	≤ 0.1 ppb		

Code	Size	Packaging	Notes
420175	500 ml	Plastic bottle	

Ammonia solution 20 - 22% > RPE - For analysis

RPE

Description	Clear liquid	Phosphate	≤ 0.3 ppm	As	≤ 0.02 ppm	K	≤ 0.2 ppm
Colour (APHA)	≤ 10	Heavy metals (Pb)	≤ 0.4 ppm	Ca	≤ 0.5 ppm	Mg	≤ 0.1 ppm
Identification	Positive	Residue on calcination	≤ 3 ppm	Cd	≤ 0.01 ppm	Mn	≤ 0.01 ppm
Density at 20° C	0.917 ÷ 0.923	Subst. reducing KMnO ₄	≤ 8 ppm(5m)	Co	≤ 0.01 ppm	Na	≤ 1 ppm
Assay (alkalimetric)	20 ÷ 22 %	Sulphide	≤ 0.1 ppm	Cr	≤ 0.02 ppm	Ni	≤ 0.02 ppm
Carbonate	≤ 10 ppm	Total sulphur	≤ 1 ppm	Cu	≤ 0.02 ppm	Pb	≤ 0.02 ppm
Chloride	≤ 0.5 ppm	Ag	≤ 0.02 ppm	Fe	≤ 0.05 ppm	Zn	≤ 0.05 ppm

Code	Size	Packaging	Notes
419981	1 l	Glass bottle	
419983	2 l	Glass bottle	
419984	25 kg	Combined drum	

Ammonia solution 17%
 • Ammoniaca soluzione 17% • Ammoniaque solution 17% • Amonio hidróxido 17% • Ammoniaklösung 17%
 Synonym: *Ammonium hydroxide solution*

NH ₄ OH Molecular Weight: 35,05 CAS: 1336-21-6	Classification transport ONU: 2672 Transport Hazard class: 8 Packing group III		Danger H302-H314-H335-H400 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338-P403+P233
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Ammonia solution 17% > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611004701	250 ml	Plastic bottle	Ref Ph.Eur 1004701

Storage: protected from atmospheric carbon dioxide, at a temperature below 20 °C

Ammonia solution 10%
 • Ammoniaca soluzione 10% • Ammoniaque solution 10% • Amonio hidróxido 10% • Ammoniaklösung 10%
 Synonym: *Ammonium hydroxide solution*

NH ₄ OH Molecular Weight: 35,05 CAS: 1336-21-6	Classification transport ONU: 2672 Transport Hazard class: 8 Packing group III		Danger H302-H314-H335-H400 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338-P403+P233
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Ammonia solution 10% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 15° C 0.956 ÷ 0.962 Assay (alkalimetric)..... 9.5 ÷ 10.5 %

Code	Size	Packaging	Notes
E420001	1 l	Plastic bottle	
E420002	5 l	Plastic tank	

Ammonia solution 6N
 • Ammonio soluzione 6N • Ammoniaque solution 6N • Amonio solución 6N • Ammoniaklösung 6N
 Synonym: *Ammonium hydroxide solution*

NH ₄ OH Molecular Weight: 35,05 CAS: 1336-21-6 EEC-N: 215-647-6	Classification transport ONU: 2672 Transport Hazard class: 8 Packing group III		Danger H302-H314-H335-H400 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338-P403+P233
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Ammonia solution 6N > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000151	1 l	Plastic bottle	

Ammonia solution diluted
 • Ammoniaca soluzione diluita • Ammoniaque solution diluée • Amonio hidróxido solución diluido
 • Ammoniaklösung verdünnt
 Synonym: *Ammonium hydroxide solution*

NH ₄ OH Molecular Weight: 35,05 CAS: 1336-21-6			Danger H315-H318 P264-P280a-P305+P351+P338-P310a-P362+P364- P332+P313
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Ammonia solution diluted > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611004702	1 l	Plastic bottle	Ammonia, dilute R1 Ref Ph.Eur 1004702
611004703	1 l	Plastic bottle	Ammonia, dilute R2 Ref Ph.Eur 1004703



Ammonia buffer solution pH 10

• Tampone ammoniacale pH 10 • Tampon ammoniacal pH10 • Tampón de amoníaco pH 10 • Ammoniakpufferlösung pH 10

Classification transport

ONU: 1719
Transport Hazard class: 8
Packing group III



Danger

H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonia buffer solution pH 10 > RS - For analysis

RS

pH..... 10.5 - 10.9 unite pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
PS0194/22	5 l	Plastic tank	
PS0194/95	5 l	Kubidos	



Ammoniacal solution of copper tetrammine

• Rame tetrammina soluzione ammoniacale • Solution amoniacale de tétraminecuivre • Cobre tetrammina solución amoniacale
• Ammoniaklösung von Tetramminecuivre

Classification transport

ONU: 3266
Transport Hazard class: 8
Packing group III



Danger

H302-H314-H335-H410
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammoniacal solution of copper tetrammine > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611022600	100 ml	Glass bottle	Ref Ph.Eur 1022600



Ammonium standard solution

• Ammonio standard soluzione • Ammonium standard solution • Amonio, solución patrón • Ammonium-Standardlösung



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Ammonium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000301	100 ml	Plastic bottle	A 2.5 ppm solution: to dilute according to Ref Ph.Eur 5000301
615000302	100 ml	Plastic bottle	A 1 ppm solution: to dilute according to Ref Ph.Eur 5000302
615000309	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5000300

Ammonium standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503311	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503313	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Ammonium acetate

• Ammonio acetato • Ammonium acétate • Amonio acetato • Ammoniumacetat

CH₃COONH₄
 Molecular Weight: 77,08
 CAS: 631-61-8
 EEC-N: 211-162-9

Ammonium acetate > RS - For LC/MS

RS

Assay ≥ 98 %	Al ≤ 1 ppm	Fe ≤ 2 ppm	Sr ≤ 1 ppm
Impurities ≤ 50 ppm	As ≤ 0.1 ppm	K ≤ 5 ppm	Zn ≤ 1 ppm
Water ≤ 2 %	Ba ≤ 1 ppm	Li ≤ 1 ppm	Grad. Elution H.Peak at 254 nm < 0.001 AU
Residue on ignition ≤ 100 ppm	Bi ≤ 1 ppm	Mg ≤ 1 ppm	Grad. Elution drift at 254 nm ... < 0.005 AU
pH 6.5 ÷ 7.4	Ca ≤ 5 ppm	Mn ≤ 1 ppm	T260nm (1M) ≥ 98 %
Melting point 112 ÷ 116 °C	Cd ≤ 1 ppm	Mo ≤ 1 ppm	T280nm (1M) ≥ 99 %
Chloride ≤ 5 ppm	Co ≤ 1 ppm	Na ≤ 5 ppm	Preparation Filtered through 0.1
Nitrate ≤ 10 ppm	Cr ≤ 1 ppm	Ni ≤ 1 ppm	
Sulfate ≤ 10 ppm	Cu ≤ 1 ppm	Pb ≤ 1 ppm	

Code	Size	Packaging	Notes
418781	50 g	Glass bottle	

Additive for eluent phase for LC-MS

Ammonium acetate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Crist. bianchi	Water-insoluble matter ≤ 50 ppm	Nitrate ≤ 10 ppm	Fe ≤ 5 ppm
Identification Positive	Residue on ignition ≤ 100 ppm	Sulphate ≤ 10 ppm	Assay (acc.to Sørensen) ≥ 98 %
pH sol. 5% at 25° C 6.7 ÷ 7.3	Chloride ≤ 5 ppm	Heavy metals (Pb) ≤ 5 ppm	

Code	Size	Packaging	Notes
418775	100 g	Plastic bottle	
418776	500 g	Plastic bottle	
418777	1 kg	Plastic bottle	
418772	5 kg	Plastic jar	
418773	5 kg	Plastic bucket	
418771	25 kg	Plastic bucket	

Ammonium acetate > RE - Pure

RE

Description . White semitransparent crystals	Identification Positive	Water ≤ 2 %	Assay (non-aqueous medium) ≥ 97.5 % (s.s.)
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Code	Size	Packaging	Notes
313507	1 kg	Plastic bottle	
313508	5 kg	Plastic tank	
313502	25 kg	Plastic bucket	
313504	50 kg	Fibre drum	

Ammonium aluminum sulfate dodecahydrate ▶ Aluminum ammonium sulfate dodecahydrate



Ammonium bicarbonate

• Ammonio bicarbonato • Ammonium bicarbonate • Amonio bicarbonato • Ammoniumbicarbonat

Synonym:
Ammonium hydrogen carbonate

NH₄HCO₃
Molecular Weight: 79,06
CAS: 1066-33-7
EEC-N: 213-911-5



Warning
H302
P264-P270-P301+P312a-P330-P501a

Ammonium bicarbonate > RPE - For analysis

RPE

Description	White crystalline powder	Water-insoluble matter	≤30 ppm	Cu	≤10 ppm	Ni	≤10 ppm
Identification	Positive	Sulphate	≤50 ppm	Fe	≤10 ppm	Pb	≤10 ppm
pH sol. 5% at 25° C	7.0 ÷ 8.0	Residue on ignition	≤500 ppm	K	≤10 ppm	Assay (acidimetric)	≥98.5 %
Chloride	≤5 ppm	As	≤1 ppm	Mg	≤10 ppm		
Phosphate	≤5 ppm	Ca	≤100 ppm	Na	≤20 ppm		

Code	Size	Packaging	Notes
418925	100 g	Plastic bottle	
418926	500 g	Plastic bottle	
418927	1 kg	Plastic bottle	
418929	5 kg	Plastic tank	

Ammonium bicarbonate > RE - Pure

RE

Description	White crystalline powder	Sulphated ash	≤500 ppm	Sulphate	≤150 ppm
Identification	Positive	Chloride	≤50 ppm	Assay (acidimetric)	≥99 %

Code	Size	Packaging	Notes
313601	5 kg	Plastic tank	

Ammonium bifluoride ▶ Ammonium hydrogen difluoride



Ammonium bromide

• Ammonio bromuro • Ammonium bromure • Amonio bromuro • Ammoniumbromid

NH₄Br
Molecular Weight: 97,94
CAS: 12124-97-9
EEC-N: 235-183-8

Ammonium bromide > RPE - For analysis - ACS

RPE

Description	White crystalline powder	Residue on ignition	≤100 ppm	Sulphate	≤50 ppm	Assay (argentimetric)	≥99.0 %
Identification	Positive	Bromate	≤20 ppm	Heavy metals (Pb)	≤5 ppm		
pH sol. 5% at 25° C	4.5 ÷ 6.0	Chloride	≤0.2 %	Ba	≤20 ppm		
Water-insoluble matter	≤50 ppm	Iodide	Conform	Fe	≤5 ppm		

Code	Size	Packaging	Notes
419174	100 g	Plastic bottle	
419175	250 g	Plastic bottle	
419176	500 g	Plastic bottle	
419177	1 kg	Plastic bottle	



Ammonium carbamate

• Ammonio carbammato • Ammonium carbamate • Amonio carbamato • Ammoniumcarbamat

Synonym:
Carbamic acid ammonium salt

$\text{NH}_2\text{COONH}_4$
Molecular Weight: 78,07
CAS: 1111-78-0
EEC-N: 214-185-2



Warning
H302
P264-P270-P301+P312a-P330-P501a

Ammonium carbamate > RPE - For analysis

RPE

Description	Pezzi irregolari bianchi	Cu	≤ 5 ppm	Pb	≤ 5 ppm	Cr	≤ 5 ppm
Identification	Positive	Fe	≤ 5 ppm	Zn	≤ 5 ppm	Mn	≤ 5 ppm
Chloride	≤ 5 ppm	K	≤ 50 ppm	Assay (alkalimetric)	≥ 99.5 %	Residue on calcination	≤ 20 ppm
Phosphate	≤ 5 ppm	Mg	≤ 5 ppm	Sulphate	≤ 10 ppm		
Nitrate	≤ 10 ppm	Na	≤ 50 ppm	Cd	≤ 5 ppm		
Ca	≤ 10 ppm	Ni	≤ 5 ppm	Co	≤ 5 ppm		

Code	Size	Packaging	Notes
419201	100 g	Plastic bottle	
419204	500 g	Plastic bottle	
419202	1 kg	Plastic bottle	



Ammonium carbonate

• Ammonio carbonato • Ammonium carbonate • Amonio carbonato • Ammoniumcarbonat

Synonym:
Hartshorn salt

$(\text{NH}_4)_2\text{CO}_3$
Molecular Weight: 96,09
CAS: 10361-29-2
EEC-N: 233-786-0



Warning
H302
P264-P270-P301+P312a-P330-P501a

Ammonium carbonate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White crystals	Non volat.substances	≤100 ppm	Heavy metals (Pb)	≤5 ppm
Identification	Positive	Chloride	≤5 ppm	Fe	≤5 ppm
Water-insoluble matter	≤50 ppm	Total sulphur	≤20 ppm	Assay (alkalimetric)	≥30.0 %

Code	Size	Packaging	Notes
419235	100 g	Plastic bottle	
419236	500 g	Plastic bottle	
419237	1 kg	Plastic bottle	
419239	5 kg	Plastic tank	
419232	25 kg	Plastic bucket	



Ammonium carbonate solution 158 g/l

• Ammonio carbonato soluzione 158 g/l • Ammonium carbonate solution 158 g/l • Amonio carbonato solución 158 g/l • Ammoniumcarbonatlösung 158 g/l

Molecular Weight: 96,09

HEU210

Ammonium carbonate solution 158 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611005201	1 l	Plastic bottle	Ref Ph.Eur 1005201



Ammonium chloride

• Ammonio cloruro • Ammonium chlorure • Amonio cloruro • Ammoniumchlorid

Synonym:
Salmiac

NH₄Cl
Molecular Weight: 53,49
CAS: 12125-02-9
EEC-N: 235-186-4



Warning

H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Ammonium chloride > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystalline powder
Identification Positive
pH sol. 5% at 25° C 4.5 ÷ 5.5

Water-insoluble matter ≤50 ppm
Residue on ignition ≤ 100 ppm
Phosphate ≤2 ppm

Sulphate ≤20 ppm
Heavy metals (Pb) ≤5 ppm
Ca ≤10 ppm

Fe ≤2 ppm
Mg ≤5 ppm
Assay (argentimetric) ≥99.5 %

Code	Size	Packaging	Notes
419415	100 g	Plastic bottle	
419416	500 g	Plastic bottle	
419417	1 kg	Plastic bottle	
419419	5 kg	Plastic tank	
419412	25 kg	Drum	

Ammonium chloride > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBApharm

Description White crystalline powder
Identification Positive
Appearance of solution Conform Ph.Eur.
Acidity or alkalinity Conform Ph.Eur.

Bromide and Iodide Conform Ph.Eur.
Thiocyanate Conform USP-NF
pH (1:20) 4.6 ÷ 6.0
Loss on drying ≤0.5 %

Sulphated ash ≤0.1 %
Heavy metals (Pb) ≤10 ppm
Sulphate ≤150 ppm
Ca ≤200 ppm

Fe ≤20 ppm
Assay (argentimetric) ..99.5 ÷ 100.5 % s.s.
Origin (BSE/TSE) Synthesis
Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
313957	1 kg	Plastic bottle	
313952	2.5 kg	Plastic bottle	
313956	5 kg	Plastic tank	
313951	25 kg	Plastic bucket	
313954	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ammonium chloride > RE - Pure

RE

Description Polvere crist. bianca parz. ammassata
Identification Positive
Water (K.F.) ≤ 0.1 %

Not soluble matter ≤ 0.02 %
Sulphated ash ≤ 0.3 %

Fe ≤ 10 ppm
Assay (argentimetric) ≥ 99 %

Code	Size	Packaging	Notes
314002	2.5 kg	Plastic bottle	
314001	25 kg	Plastic bucket	



Ammonium chloride buffer solution pH 10.7

• Tampono cloruro di ammonio pH 10.7 • Tampon chlorure d'ammonium pH 10.7 • Tampón cloruro di ammonio pH 10.7 • Puffer Ammoniumchlorid pH 10.7

Classification transport

ONU: 3266
Transport Hazard class: 8
Packing group III



Danger

H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonium chloride buffer solution pH 10.7 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614013400	1 l	Plastic bottle	Ref Ph.Eur 4013400



Ammonium chloride buffer solution pH 10.0

• Tampono cloruro di ammonio pH 10.0 • Tampon chlorure d'ammonium pH 10.0 • Tampón cloruro di ammonio pH 10.0 • Puffer Ammoniumchlorid pH 10.0

Classification transport

ONU: 3266
Transport Hazard class: 8
Packing group III



Danger

H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Ammonium chloride buffer solution pH 10.0 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614007301	100 ml	Plastic bottle	Ref Ph.Eur 4007300
614007300	1 l	Plastic bottle	Ref Ph.Eur 4007300



Ammonium chloride buffer solution pH 9.5

• Tampono cloruro di ammonio pH 9.5 • Tampon chlorure d'ammonium pH 9.5 • Tampón cloruro di ammonio pH 9.5 • Puffer Ammoniumchlorid pH 9.5

Ammonium chloride buffer solution pH 9.5 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614007200	1 l	Plastic bottle	Ref Ph.Eur 4007200



tri-Ammonium citrate

• Ammonio citrato tribasico • tri-Ammonium citrate • Tri-amonio citrato • tri-Ammoniumcitrat

Synonym:

- Ammonium citrate tribasic
- Citric acid triammonium salt

$\text{HOC}(\text{CO}_2\text{NH}_4)(\text{CH}_2\text{CO}_2\text{NH}_4)_2$
Molecular Weight: 243,22
CAS: 3458-72-8
EEC-N: 222-394-5



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

tri-Ammonium citrate > RE - Pure

RE

Description White crystalline powder Chloride ≤ 30 ppm Fe ≤ 20 ppm
Identification Positive Sulphate ≤ 150 ppm Assay ≥ 97 %

Code	Size	Packaging	Notes
313895	25 kg	Plastic bucket	



Ammonium citrate dibasic

• Ammonio citrato bibasico • Ammonium citrate dibasique • Amonio citrato dibásico
• Ammoniumcitrat zweibasisch

Synonym:

- Ammonium hydrogencitrate
- Citric acid ammonium salt

$\text{HOCCOOH}(\text{CH}_2\text{COONH}_4)_2$
Molecular Weight: 226,18
CAS: 3012-65-5
EEC-N: 221-146-3



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Ammonium citrate dibasic > RPE - For analysis - ACS

RPE

Description White crystals Residue on ignition ≤ 50 ppm Oxalate ≤ 500 ppm Fe ≤ 10 ppm
Identification Positive Chloride ≤ 10 ppm Total sulphur ≤ 50 ppm Assay (acc.to Sørensen).... 98.0 ÷ 103.0 %
Water-insoluble matter ≤ 50 ppm Phosphate ≤ 5 ppm Heavy metals (Pb)..... ≤ 5 ppm

Code	Size	Packaging	Notes
419315	250 g	Plastic bottle	
419313	500 g	Plastic bottle	
419317	1 kg	Plastic bottle	
419312	25 kg	Plastic bucket	
419316	50 kg	Fibre drum	



Ammonium citrate solution 20%

- Ammonio citrato soluzione 20% • Ammonium citrate solution 20% • Amonio citrato solución 20%
- Ammoniumcitratlösung 20%

Synonym:
• Ammonium hydrogencitrate
• Citric acid ammonium salt

$\text{HOCCOOH}(\text{CH}_2\text{COONH}_4)_2$
Molecular Weight: 226,18
CAS: 3012-65-5



Warning
H319
P264-P280i-P305+P351+P338-P337+P313

Ammonium citrate solution 20% > RPE - For analysis

RPE

Description Clear colourless liquid pH of the substance 7 - 7.3 Assay 19 - 21 %

Code	Size	Packaging	Notes
E419361	1 l	Bottle	

For the determination of phosphates

Ammonium citrate tribasic ▶ tri-Ammonium citrate

Ammonium cobalt(II) sulfate hexahydrate ▶ Cobalt (II) ammonium sulfate hexahydrate

Ammonium dihydrogenphosphate ▶ Ammonium phosphate monobasic



Ammonium fluoride

- Ammonio fluoruro • Ammonium fluorure • Amonio fluoruro • Ammoniumfluorid

NH_4F
Molecular Weight: 37,04
CAS: 12125-01-8
EEC-N: 235-185-9

Classification transport
ONU: 2505
Transport Hazard class: 6.1
Packing group III



Danger
H301-H311-H331
P261-P304+P340-P311a-P330-P361+P364-P403+P233

Ammonium fluoride > RPE - For analysis - ACS

RPE

Description White crystals Residue on ignition ≤100 ppm Heavy metals (Pb) ≤5 ppm
Identification Positive Chloride ≤10 ppm Fe ≤5 ppm
Water-insoluble matter ≤50 ppm Sulphate ≤50 ppm Assay (acc. to Sørensen) ≥98.0 %

Code	Size	Packaging	Notes
419634	100 g	Plastic bottle	
419638	250 g	Plastic bottle	
419635	500 g	Plastic bottle	
419637	1 kg	Plastic bottle	



Ammonium formate

- Ammonio formiato • Ammonium formiate • Amonio formiato • Ammoniumformiat

Synonym:
Formic acid ammonium salt

HCOONH_4
Molecular Weight: 63,06
CAS: 540-69-2
EEC-N: 208-753-9



Warning
H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

Ammonium formate > RS - For LC/MS

RS

Assay ≥ 98 %	As ≤ 0.1 ppm	Fe ≤ 3 ppm	Pb ≤ 1 ppm
Impurities ≤ 50 ppm	Ba ≤ 1 ppm	K ≤ 5 ppm	Sr ≤ 1 ppm
Water ≤ 0.5 %	Bi ≤ 1 ppm	Li ≤ 1 ppm	Zn ≤ 1 ppm
pH 5.5 ÷ 7.6	Ca ≤ 5 ppm	Mg ≤ 1 ppm	Grad. Elution H.P. Peak at 254 nm ≤ 0.001 AU
Melting point 119 ÷ 121 °C	Cd ≤ 1 ppm	Mn ≤ 1 ppm	Grad. Elution drift at 254 nm ≤ 0.005 AU
Chloride ≤ 5 ppm	Co ≤ 1 ppm	Mo ≤ 1 ppm	T260nm (1M) ≥ 97 %
Sulfate ≤ 10 ppm	Cr ≤ 1 ppm	Na ≤ 5 ppm	Preparation Filtered through 0.1
Al ≤ 1 ppm	Cu ≤ 1 ppm	Ni ≤ 1 ppm	

Code	Size	Packaging	Notes
419741	50 g	Plastic bottle	

Additive for eluent phase for LC-MS

Ammonium formate > RPE - For analysis - Reag. Ph. Eur.

RPE

Description	Colourless crystals	Water	≤ 0.5 %	Water-insoluble matter	≤ 50 ppm	Assay (acc.to Sørensen).....	≥ 98.5 %
Identification	Positive	Chloride.....	≤ 5 ppm	Heavy metals (Pb).....	≤ 5 ppm	Melting point.....	119 ± 121 °C
pH sol. 5% at 25° C	5.5 ÷ 7.0	Sulphate.....	≤ 10 ppm	Fe	≤ 5 ppm		

Code	Size	Packaging	Notes
419734	100 g	Plastic bottle	
419735	250 g	Plastic bottle	
419736	500 g	Plastic bottle	
419737	1 kg	Plastic bottle	
419733	25 kg	Plastic bucket	

Ammonium heptamolybdate tetrahydrate ▶ Ammonium molybdate tetrahydrate

Ammonium hydrogen carbonate ▶ Ammonium bicarbonate

di-Ammonium hydrogen citrate ▶ Ammonium citrate dibasic



Ammonium hydrogen difluoride

• Ammonio bifluoruro • Ammonium bifluorure • Amonio bifluoruro • Ammoniumhydrogendifluorid

Synonym:
Ammonium bifluoride

NH₂FHF
Molecular Weight: 57,04
CAS: 1341-49-7
EEC-N: 215-676-4

Classification transport
ONU: 1727
Transport Hazard class: 8
Packing group II



Danger
H301-H314
P280-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338

Ammonium hydrogen difluoride > RE - Pure

RE

Description	White flakes	Water (K.F).....	≤ 0.5 %	Sulphite.....	≤ 100 ppm	Fe	≤ 500 ppm
Identification	Positive	Sulphate.....	≤ 2000 ppm	Heavy metals (Pb).....	≤ 200 ppm	Assay (acidimetric)	≥ 94 %

Code	Size	Packaging	Notes
314261	1 kg	Plastic bottle	

di-Ammonium hydrogenphosphate ▶ Ammonium phosphate dibasic



Ammonium di-hydrogen phosphate 25 mg/L solution

• Ammonio diidrogeno fosfato 25 mg/l soluzione • Ammonium dihydrogénophosphate 25mg/l
• Amonio di-Hidrógeno Fosfato solución 25 mg/l • Ammoniumdihydrogenphosphat 25 mg/l

Synonym:
• di-Ammonium hydrogenphosphate
• Monoammonium phosphate

NH₄H₂PO₄
Molecular Weight: 115,03
CAS: 7722-76-1



Warning
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Ammonium di-hydrogen phosphate 25 mg/L solution > RS - Matrix modifiers for AAS-GTA

RS

Code	Size	Packaging	Notes
503194	50 ml	Plastic bottle	Matrix: 1% Nitric acid

Ammonium hydroxide solution ▶ Ammonia solution 30%



Ammonium iodide

• Ammonio ioduro • Ammonium iodure • Amonio ioduro • Ammoniumiodid

NH₄I
Molecular Weight: 144,94
CAS: 12027-06-4
EEC-N: 234-717-7



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Ammonium iodide > RPE - For analysis - ACS

RPE

Description	White granules	Chloride + bromide (Cl)	≤ 50 ppm	Heavy metals (Pb).....	≤ 10 ppm	Assay (oxidimetric)	≥ 99.0 %
Identification	Positive	Water-insoluble matter	≤ 50 ppm	Ba	≤ 20 ppm	Sulphate	≤ 0.05 %
Residue on ignition	≤ 0.05 %	Phosphate	≤ 10 ppm	Fe	≤ 5 ppm		

Code	Size	Packaging	Notes
420133	50 g	Glass bottle	
420135	250 g	Glass bottle	

Stabilized with ~1,5% of NH₄H₂PO₂

Ammonium iron(III) citrate green ▶ Iron (III) ammonium citrate green

Ammonium iron(III) citrate red ▶ Iron (III) ammonium citrate red

Ammonium iron(III) sulfate dodecahydrate ▶ Iron (III) ammonium sulfate dodecahydrate

Ammonium iron(II) sulfate hexahydrate ▶ Iron (II) ammonium sulfate hexahydrate



Ammonium molybdate tetrahydrate

• Ammonio molibdato tetraidrato • Ammonium molybdate tétrahydraté • Amonio molibdato tetraidratado
• Ammoniummolybdat tetrahydrtat

Synonym:

Ammonium heptamolybdate tetrahydrate

(NH₄)₆Mo₇O₂₄·4H₂O
Molecular Weight: 1235,86
CAS: 12054-85-2
EEC-N: 234-320-9



Warning

H302-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Ammonium molybdate tetrahydrate > RS - For microanalysis

RS

Description	White crystalline powder	AsO ₄ , PO ₄ , SiO ₄ (SiO ₂).....	≤ 0.001 %	Heavy metals (Pb).....	≤ 10 ppm	Assay (complexometric)	81.0 ÷ 83.0 %
Identification	Positive	Chloride.....	≤ 20 ppm	K.....	≤ 100 ppm		
Water-insoluble matter	≤ 0.005 %	Sulphate	≤ 200 ppm	Mg	≤ 50 ppm		
Nitrate	≤ 0.003 %	Phosphate	≤ 5 ppm	Na.....	≤ 100 ppm		

Code	Size	Packaging	Notes
420391	100 g	Glass bottle	

Ammonium molybdate tetrahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Green crystals	ppm	Sulphate	≤ 200 ppm	Assay (oxidimetric) . 81.0 ÷ 83.0 % (MoO ₃)
Identification	Positive	Chloride.....	≤ 20 ppm	Heavy metals (Pb).....	≤ 10 ppm
Water-insoluble matter	≤ 50 ppm	Phosphate	≤ 5 ppm	K.....	≤ 100 ppm
Arsenate, phosphate and silicate (SiO ₂) ≤ 10		Nitrate	≤ 30 ppm	Na.....	≤ 100 ppm

Code	Size	Packaging	Notes
420234	100 g	Glass bottle	
420236	500 g	Plastic bottle	
420238	2.5 kg	Plastic bottle	



Ammonium molybdate solution 2.5% in nitric acid

- Ammonio molibdato soluzione 2.5% in acido nitrico • Ammonium molybdate solution 2.5% in nitric acid
- Ammonio molibdato solución 2.5% en ácido nítrico • Ammonium molybdat Lösung 2.5 %

(NH₄)₆Mo₇O₂₄·4H₂O
Molecular Weight: 1235,86
CAS: 12054-85-2

Classification transport
ONU: 2031
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Ammonium molybdate solution 2.5% in nitric acid > RPE - For analysis

RPE

Description Clear liquid Density at 20° C 1.0 ÷ 1.2

Code	Size	Packaging	Notes
E420371	1 l	Bottle	



Ammonium nitrate

- Ammonio nitrato • Ammonium nitrate • Amonio nitrato • Ammonsalpeter

NH₄NO₃
Molecular Weight: 80,04
CAS: 6484-52-2
EEC-N: 229-347-8

Classification transport
ONU: 1942
Transport Hazard class: 5.1
Packing group III



Warning
H272-H319
P210-P220-P264-P280-P305+P351+P338-
P337+P313

Ammonium nitrate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description White crystals Residue on ignition ≤ 100 ppm Sulphate ≤ 20 ppm Acidity Conform
Identification Positive Chloride ≤ 5 ppm Heavy metals (Pb) ≤ 5 ppm
pH sol. 5% at 25° C 4.5 ÷ 6.0 Phosphate ≤ 5 ppm Fe ≤ 2 ppm
Water-insoluble matter ≤ 50 ppm Nitrite ≤ 5 ppm Assay (alkalimetric) ≥ 95 %

Code	Size	Packaging	Notes
420425	100 g	Plastic bottle	
420426	500 g	Plastic bottle	
420427	1 kg	Plastic bottle	
420429	5 kg	Plastic tank	
420422	25 kg	Plastic bucket	
420424	50 kg	Fibre drum	

Ammonium nitrate > RE - Pure

RE

Description White pearls pH sol. 5% at 25° C 4.6 ÷ 7 Total nitrogen ≥ 34.2 %
Identification Positive Residue on ignition ≤ 0.5 %

Code	Size	Packaging	Notes
315509	5 kg	Plastic tank	
315502	25 kg	Plastic bucket	



Ammonium nitrate 200 mg/l solution

- Ammonio nitrato 200 mg/l soluzione • Ammonium nitrate 200 mg/l • Amonio nitrato 200 mg/l solución • Ammonsalpeter 200 mg/l

NH₄NO₃
Molecular Weight: 80,04
CAS: 6484-52-2

HEU210

Ammonium nitrate 200 mg/l solution > RS - Matrix modifiers for AAS-GTA

RS

Code	Size	Packaging	Notes
503195	50 ml	Plastic bottle	Matrix: Water



Ammonium oxalate monohydrate

• Ammonio ossalato monoidrato • Ammonium oxalate monohydraté • Amonio oxalato monohidrato
• Ammoniumoxalatmonohydrat

Synonym:
Oxalic acid diammonium salt

$(\text{NH}_4)_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$
Molecular Weight: 142,11
CAS: 6009-70-7
EEC-N: 238-135-4



Warning
H302-H312
P264-P270-P280h-P301+P312a-P330-P501a

Ammonium oxalate monohydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystals Residue on ignition ≤200 ppm Heavy metals (Pb) ≤5 ppm
Identification Positive Chloride ≤20 ppm Fe ≤2 ppm
Water-insoluble matter ≤50 ppm Sulphate ≤20 ppm Assay (oxidimetric) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
420475	250 g	Plastic bottle	
420476	500 g	Plastic bottle	
420477	1 kg	Plastic bottle	
420478	2.5 kg	Plastic bottle	
420473	25 kg	Plastic bucket	



Ammonium oxalate solution 4%

• Ammonio ossalato soluzione 4% • Ammonium oxalate solution 4% • Amonio oxalato solución 4% • Ammoniumoxalat 4%

$(\text{NH}_4)_2\text{C}_2\text{O}_4 \cdot \text{H}_2\text{O}$
Molecular Weight: 142,11
CAS: 6009-70-7

HEU210

Ammonium oxalate solution 4% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C 1.00 ÷ 1.02 Assay (oxidimetric) 3.8 ÷ 4.2 %

Code	Size	Packaging	Notes
E420521	1 l	Bottle	



Ammonium persulfate

• Ammonio persolfato • Ammonium persulfate • Amonio persulfato • Ammoniumpersulfat

Synonym:
• APS
• Ammonium peroxydisulfate

$(\text{NH}_4)_2\text{S}_2\text{O}_8$
Molecular Weight: 228,2
CAS: 7727-54-0
EEC-N: 231-786-5

Classification transport
ONU: 1444
Transport Hazard class: 5.1
Packing group III



Danger
H272-H302-H315-H319-H334-H317-H335
P210-P280-P284-P304+P340-P305+P351+P338-
P342+P311a-P403+P233

Ammonium persulfate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Yellowish crystals Water-insoluble matter ≤50 ppm Heavy metals (Pb) ≤50 ppm Assay (oxidimetric) ≥98.0 %
Identification Positive Residue on ignition ≤500 ppm Fe ≤10 ppm
Acidity (H2SO4) ≤0.04 meq/g Chloride & Chlorate(Cl) ≤10 ppm Mn ≤0.5 ppm

Code	Size	Packaging	Notes
420625	100 g	Plastic bottle	
420626	500 g	Plastic bottle	
420627	1 kg	Plastic bottle	
420629	5 kg	Plastic jar	
420623	25 kg	Plastic bucket	

Ammonium persulfate > RE - Pure

RE

Description White crystals or yellowish Heavy metals (Pb) ≤ 50 ppm Assay (oxidimetric) ≥ 97.5 %
Identification Positive Fe ≤ 10 ppm

Code	Size	Packaging	Notes
316008	500 g	Plastic bottle	
316002	25 kg	Plastic bucket	



Ammonium phosphate dibasic

- Ammonio fosfato bibasico • Ammonium phosphate dibasique • Amonio fosfato dibásico
- Ammoniumphosphat dibasisch

Synonym:

- Ammonium hydrogen phosphate
- Diammonium hydrogenphosphate

$(\text{NH}_4)_2\text{HPO}_4$
Molecular Weight: 132,06
CAS: 7783-28-0
EEC-N: 231-987-8



Warning

H312-H332

P261-P271-P280h-P304+P340-P312a-P501a

Ammonium phosphate dibasic > RPE - For analysis - ACS - Reag. USP

RPE

Description	White crystals	Sulphate	≤ 100 ppm	Fe	≤ 10 ppm	Ca	≤ 10 ppm
Identification	Positive	Chloride	≤ 10 ppm	K	≤ 50 ppm	Mg	≤ 5 ppm
pH sol. 5% at 25° C	7.7 ÷ 8.1	Nitrate	≤ 30 ppm	Na	≤ 50 ppm		
Water-insoluble matter	≤ 50 ppm	Heavy metals (Pb)	≤ 10 ppm	Assay (alkalimetric)	≥ 98.0 %		

Code	Size	Packaging	Notes
419835	100 g	Plastic bottle	
419836	500 g	Plastic bottle	
419837	1 kg	Plastic bottle	
419831	5 kg	Plastic tank	
419832	25 kg	Plastic bucket	
419834	50 kg	Fibre drum	

Ammonium phosphate dibasic > RE - Pure

RE

Description	white crystals	pH sol. 1M	7.6 - 8.2	Assay (P205)	≥ 53.4 %	Assay (alkalimetric)	98 - 102 %
Identification	Positive	Insoluble in water	≤ 0.2 %	Assay (nitrogen)	≥ 21 %		

Code	Size	Packaging	Notes
314757	1 kg	Plastic bottle	
314758	2.5 kg	Plastic bottle	



Ammonium phosphate monobasic

- Ammonio fosfato monobasico • Ammonium phosphate monobasique • Amonio fosfato monobásico
- Ammoniumphosphat einbasig

Synonym:

- Ammonium dihydrogenphosphate
- Monoammonium phosphate

$\text{NH}_4\text{H}_2\text{PO}_4$
Molecular Weight: 115,03
CAS: 7722-76-1
EEC-N: 231-764-5

Ammonium phosphate monobasic > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White crystals	Water-insoluble matter	≤ 50 ppm	Ca	≤ 10 ppm	Na	≤ 50 ppm
Identification	Positive	Heavy metals (Pb)	≤ 5 ppm	Mg	≤ 5 ppm	Assay (acidimetric)	≥ 98.0 %
pH sol. 5% at 25° C	3.8 ÷ 4.4	Nitrate	≤ 0.001 %	Fe	≤ 10 ppm		
Chloride	≤ 5 ppm	Sulphate	≤ 100 ppm	K	≤ 50 ppm		

Code	Size	Packaging	Notes
419785	100 g	Plastic bottle	
419786	500 g	Plastic bottle	
419787	1 kg	Plastic bottle	

Ammonium phosphate monobasic > RE - Pure

RE

Appearance	White crystalline	(w/w)	Fluoride	≤ 10 ppm	Hg	≤ 1 ppm	
P205	≥ 61.3 % (w/w)	pH (1% solution)	4.3 - 4.7	As	≤ 1 ppm	Cd	≤ 1 ppm
Assay (as(NH4)H2PO4)	98.0 - 102.2 %	Water insoluble Matter	≤ 0.2 % (w/w)	Pb	≤ 1 ppm		

Code	Size	Packaging	Notes
314507	1 kg	Plastic bottle	
314505	5 kg	Plastic tank	
314506	10 kg	Plastic tank	
314504	25 kg	Sack	

Ammonium rhodanide ▶ Ammonium thiocyanate

Ammonium sodium hydrogen phosphate ▶ Sodium ammonium hydrogen phosphate



Ammonium sulfamate

• Ammonio solfamato • Ammonium sulfamate • Amonio sulfamato • Ammoniumsulfamat

$\text{NH}_4\text{SO}_3\text{NH}_2$
Molecular Weight: 114,12
CAS: 7773-06-0
EEC-N: 231-871-7



Warning

H302
P264-P270-P301+P312a-P330-P501a

Ammonium sulfamate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystals Melting point 131.0 ÷ 135.0 °C Water-insoluble matter ≤200 ppm Assay (oxidimetric) ≥98.0 %
Identification Positive Residue on ignition ≤0.1 % Heavy metals (Pb) ≤5 ppm

Code	Size	Packaging	Notes
420724	100 g	Glass bottle	
420725	500 g	Glass bottle	



Ammonium sulfate

• Ammonio solfato • Ammonium sulfate • Amonio solfato • Ammoniumsulfat

Synonym:
Mascagnite

$(\text{NH}_4)_2\text{SO}_4$
Molecular Weight: 132,14
CAS: 7783-20-2
EEC-N: 231-984-1



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Ammonium sulfate > RPE - For analysis - ISO - Reag.Ph.Eur.

RPE

Description White crystals Water-insoluble matter ≤50 ppm Phosphate ≤5 ppm Fe ≤5 ppm
Identification Positive Residue on ignition ≤100 ppm Nitrate ≤10 ppm Assay (acc.to Sørensen) ≥99.0 %
pH sol. 5% at 25° C 5.0 ÷ 6.0 Chloride ≤5 ppm Heavy metals (Pb) ≤5 ppm

Code	Size	Packaging	Notes
420775	100 g	Plastic bottle	
420776	500 g	Plastic bottle	
420777	1 kg	Plastic bottle	
420772	5 kg	Plastic tank	
420771	25 kg	Plastic bucket	
420774	50 kg	Fibre drum	

Ammonium sulfate > RE - Pure

RE

Description White crystals Chloride ≤ 3 ppm Ca ≤ 10 ppm Residue on calcination ≤ 0.01 % (S04)
Identification Positive Nitrate ≤ 10 ppm Fe ≤ 5 ppm Assay ≥ 99.0 %
pH sol. 5% at 20°C 5 ÷ 6 Phosphate ≤ 5 ppm Heavy metals (Pb) ≤ 5 ppm

Code	Size	Packaging	Notes
316257	1 kg	Plastic bottle	
316251	5 kg	Plastic tank	
316252	25 kg	Plastic bucket	



Ammonium sulfide solution 20%

• Ammonio solfuro soluzione 20% • Ammonium sulfure en solution à 20% • Amonio sulfuro solución 20% • Ammoniumsulfid in 20% iger Lösung

(NH₄)₂S
Molecular Weight: 68,141
CAS: 12135-76-1
EEC-N: 235-223-4

Classification transport
ONU: 2683
Transport Hazard class: 8
Packing group II



Danger
H225-H301-H314-HEU031
P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P305+P351+P338

Ammonium sulfide solution 20% > RPE - For analysis

RPE

Description	Yellow clear liquid	Residue on ignition.....	≤50 ppm	Fe	≤5 ppm	Sb.....	≤5 ppm
Identification	Positive	Sulphate.....	≤100 ppm	K.....	≤10 ppm	Sn.....	≤5 ppm
Density at 15° C	0.960 ÷ 1.000	As.....	≤1 ppm	Mg.....	≤5 ppm	Zn.....	≤5 ppm
Carbonate.....	≤50 ppm	Ca.....	≤30 ppm	Na.....	≤50 ppm	Assay (ex ammonium)	≥20 %
Chloride.....	≤50 ppm	Cd.....	≤5 ppm	Ni.....	≤5 ppm	Assay (argentimetric).....	≥20 %
Heavy metals (Pb).....	≤10 ppm	Cu.....	≤5 ppm	Pb.....	≤5 ppm		

Code	Size	Packaging	Notes
421101	1 l	Glass bottle	



Ammonium L(+)-tartrate

• Ammonio L(+)-tartrato • Ammonium L(+)-tartrate • Amonio L(+)-tartrato • Ammoniumtartrat

Synonym:
• L-(+)-Tartaric acid diammonium salt
• Diammonium tartrate

(CHOHCOONH₄)₂
Molecular Weight: 184,15
CAS: 3164-29-2
EEC-N: 221-618-9

Ammonium L(+)-tartrate > RPE - For analysis

RPE

Description	White crystalline powder	Sulfated ashes	≤ 0.02 %	Water insoluble Matter.....	≤ 0.005 %	Heavy metals (as Pb).....	≤ 0.0005 %
Identification	Positive	Phosphate	≤ 0.001 %	Chloride.....	≤ 0.001 %		
Assay (acidimetric)	≥ 99.0 %	Fe	≤ 0.0005 %	Sulfate.....	≤ 0.005 %		

Code	Size	Packaging	Notes
421206	500 g	Plastic bottle	



Ammonium thiocyanate

• Ammonio solfocianuro • Ammonium thiocyanate • Amonio sulfocianuro • Ammoniumthiocyanat

Synonym:
Ammonium rhodanide

NH₄SCN
Molecular Weight: 76,12
CAS: 1762-95-4
EEC-N: 217-175-6



Warning
H302-H312-H332-HEU032
P261-P264-P271-P280h-P301+P312a-P304+P340

Ammonium thiocyanate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description	White crystals	Water-insoluble matter	≤50 ppm	Chloride.....	≤50 ppm	Fe	≤3 ppm
Identification	Positive	Residue on ignition.....	≤250 ppm	Sulphate.....	≤50 ppm	Assay (argentimetric).....	≥97.5 %
pH sol. 5% at 25° C	4.5 ÷ 6.0	Reducing iodine	≤0.004 meq/g	Heavy metals (Pb).....	≤5 ppm		

Code	Size	Packaging	Notes
420885	250 g	Plastic bottle	
420886	500 g	Plastic bottle	
420887	1 kg	Plastic bottle	

Ammonium thiocyanate > RE - Pure

RE

Description	White crystals	Sulphated ash.....	≤ 0.03 %	Sulphate.....	≤ 50 ppm	Assay (argentimetric).....	≥ 99 %
Identification	Positive	S.....	≤ 20 ppm	Fe	≤ 2 ppm		

Code	Size	Packaging	Notes
316307	1 kg	Plastic bottle	
316308	5 kg	Plastic tank	
316303	25 kg	Plastic bucket	

a
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z



Ammonium thiocyanate 1 mol/l (1N)

• Ammonio solfocianuro 1 mol/l (1N) • Ammonium thiocyanate 1 mol/l (1N) • Amonio sulfocianuro 1 mol/l (1N) • Ammoniumthiocyanat 1 mol/l (1N)

NH₄SCN
CAS: 1762-95-4

Ammonium thiocyanate 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.998 - 1.002 N

Code	Size	Packaging	Notes
420946	500 ml	Plastic bottle	

76,12 g of NH₄SCN. Volumetric solution ready-to-use: 1 N. Stabilized with p-oxybenzoate



Ammonium thiocyanate 0.1 mol/l (0.1N)

• Ammonio solfocianuro 0.1 mol/l (0.1N) • Ammonium thiocyanate 0.1 mol/l (0.1N) • Amonio sulfocianuro 0.1 mol/l (0.1N) • Ammoniumthiocyanat 0.1 mol/l (0.1N)

NH₄SCN
Molecular Weight: 76,12
CAS: 1762-95-4

Ammonium thiocyanate 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613000501	500 ml	Plastic bottle	Ref Ph.Eur 3000500
613000500	1 l	Plastic bottle	Ref Ph.Eur 3000500

Ammonium thiocyanate 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.998 - 1.002 N

Code	Size	Packaging	Notes
420977	1 l	Plastic bottle	

7,612 g of NH₄SCN. Volumetric solution ready-to-use: 0,1 N. Stabilized with p-oxybenzoate

Ammonium thiocyanate 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
421001		Plastic ampoule	Volume: 55 ml

7,612 g of NH₄SCN. Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Ammonium thiocyanate 0.01 mol/l (0.01N)

• Ammonio solfocianuro 0.01 mol/l (0.01N) • Ammonium thiocyanate 0.01 mol/l (0.01N) • Amonio sulfocianuro 0.01 mol/l (0.01N) • Ammoniumthiocyanat 0.01 mol/l (0.01N)

NH₄SCN
Molecular Weight: 76,12
CAS: 1762-95-4

Ammonium thiocyanate 0.01 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
421061		Plastic ampoule	Volume: 55 ml

0,7612 g of NH₄SCN. Volumetric concentrated solution to prepare 1 L of solution 0,01 N



n-Amyl alcohol

• Alcole n-amílico • Alcool n-amilyque • Alcohol n-amílico • n-Amylalkohol

Synonym:

- 1-Pentanol
- Pentyl alcohol

$\text{CH}_3(\text{CH}_2)_3\text{CH}_2\text{OH}$
Molecular Weight: 88,15
CAS: 71-41-0
EEC-N: 200-752-1

Classification transport
ONU: 1105
Transport Hazard class: 3
Packing group III



Warning

H226-H332-H315-H335
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

n-Amyl alcohol > RPE - For analysis

RPE

Description	Clear colourless liquid	Boiling point.....	136 - 138 °C	Cu.....	≤0.05 ppm	Na.....	≤1 ppm
Identification	Positive	Water (K.F).....	≤0.2 %	Fe.....	≤0.5 ppm	Pb.....	≤0.1 ppm
Density at 25°C	~ 0.811	Residue on evaporation	≤10 ppm	K.....	≤0.5 ppm	Zn.....	≤0.5 ppm
Refractive index at 20°C.....	1.4081 ÷ 1.4121	Ca.....	≤0.5 ppm	Mg.....	≤0.5 ppm	Assay (GLC).....	≥99 %

Code	Size	Packaging	Notes
413783	1 l	Glass bottle	

n-Amyl alcohol > RE - Pure

RE

Description	Clear colourless liquid	Density at 20° C	0.815 ÷ 0.819	Water (K.F).....	≤0.2 %
Identification	Positive	Refractive index at 20°C.....	1.4061 ÷ 1.4141	Assay (GLC).....	≥98.5 %

Code	Size	Packaging	Notes
307901	1 l	Glass bottle	



tert-Amyl alcohol

• Alcole ter-amílico • Alcool tert-amilyque • Alcohol ter-amílico • 2-Methylbutanol-2

Synonym:

- Tert-pentyl alcohol
- 2-Methyl-2-butanol

$(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{CH}_3$
Molecular Weight: 88,151
CAS: 75-85-4
EEC-N: 200-908-9

Classification transport
ONU: 1105
Transport Hazard class: 3
Packing group II



Danger

H225-H332-H315-H335
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

tert-Amyl alcohol > RPE - For analysis

RPE

Description	Clear colourless liquid	Boiling point.....	101.3 ÷ 102.8 °C	Alcalinity (NH3).....	≤5 ppm	Subst. reducing KMnO4.....	≤200 ppm
Identification	Positive	Residue on evaporation	≤10 ppm	Indole base	≤0.1 ppm	Cu.....	≤0.5 ppm
Ready carbonizable substances.....	Conform	Acids and esthers.....	≤500 ppm	Organic base (N)	≤7 ppm	Fe	≤0.5 ppm
Density at 20° C	0.808 ÷ 0.810	Acidity(valerianic.ac).....	≤50 ppm	Carbonyl Compounds (CO).....	≤80 ppm	Assay (GLC).....	≥99.5 %
Refractive index at 20°C.....	1.4027 ÷ 1.4077	Water (K.F).....	≤0.2 %	Pyridine and homologues.....	≤30 ppm		

Code	Size	Packaging	Notes
413941	250 ml	Glass bottle	
413944	1 l	Glass bottle	
413945	25 l	Plastic tank	



Aniline blue soluble in water

• Blu anilina solubile in acqua • Bleu d'aniline soluble dans l'eau • Azul de anilina soluble en agua • Blaues Anilin. wasserlöslich

$\text{C}_{32}\text{H}_{25}\text{N}_3\text{Na}_2\text{O}_9\text{S}_3$
Molecular Weight: 737,74
CAS: 28631-66-5
EEC-N: 249-113-9



Warning

H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Aniline blue soluble in water > RPE - For analysis - C.I. 42755

RPE

Description

Code	Size	Packaging	Notes
428582	25 g	Glass bottle	

Dye for microscopy (botanical-cytology-histology). Indicator acid - base (pH 9.4 ÷ 14.0)

**Aniline hydrochloride**

• Anilina cloridrato • Aniline chlorhydrate • Anilina cloridrato • Aniliniumchlorid

$C_6H_5NH_2 \cdot HCl$
 Molecular Weight: 129,59
 CAS: 142-04-1
 EEC-N: 205-519-8

Classification transport
 ONU: 1548
 Transport Hazard class: 6.1
 Packing group III

**Danger**

H301-H311-H331-H318-H317-H341-H351-
 H372-H400
 P280-P304+P340-P305+P351+P338-P308+P313-
 P330-P361+P364-P403+P233

Aniline hydrochloride > RPE - For analysis**RPE**

Description White crystalline powder Identification Positive Melting point 196 ÷ 199 °C Assay (acidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
422376	500 g	Plastic bottle	

**Anisaldehyde**

• Aldeide anisica • Aldéhyde anisique • Aldehído anísico • Anisaldehyd

Synonym:

- *p*-Anisaldehyde
- 4-Methoxybenzaldehyde

$4-CH_3OC_6H_4CHO$
 Molecular Weight: 136,15
 CAS: 123-11-5
 EEC-N: 204-602-6

**Warning**

H302
 P264-P270-P301+P312a-P330-P501a

Anisaldehyde > RE - Pure**RE**

Description Clear yellow liquid Density at 20° C 1.121 ÷ 1.125 Assay (GLC) ≥ 99 %
 Identification Positive Refractive index at 20°C 1.5710 ÷ 1.5750

Code	Size	Packaging	Notes
415312	100 ml	Glass bottle	

**Anisaldehyde solution**

• Aldeide anisica soluzione • Aldéhyde anisique solution • Aldehído anísico solución • Anisaldehydlösung

Classification transport

ONU: 1993

Anisaldehyde solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611007301	100 ml	Glass bottle	Ref Ph.Eur 1007301
611007302	100 ml	Glass bottle	Anisaldehyde solution R1 Ref Ph.Eur 1007302

**Anisic acid**

• Acido anísico • Acide anisique • Acido anísico • Anissäure

Synonym:

- 4-Methoxybenzoic acid
- Draconic acid

$CH_3OC_6H_4COOH$
 Molecular Weight: 152,15
 CAS: 100-09-4
 EEC-N: 202-818-5

**Warning**

H302-H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Anisic acid > RPE - For analysis**RPE**

Description White to slightly grey - beige powder Identification Positive Melting point 181 ÷ 186 °C Assay (GLC) ≥ 97.5 %

Code	Size	Packaging	Notes
402133	100 g	Glass bottle	



Anthrone

• Antrone • Anthrone • Antrona • Anthron

Synonym:
9(10H)-Anthracenone

$C_6H_4COC_6H_4CH_2$
Molecular Weight: 194,23
CAS: 90-44-8
EEC-N: 201-994-0



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Anthrone > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Yellow crystals Melting point..... 151 - 159 °C Solub.ty in Dieth.Ether Conform
Identification Positive Absorbance of reag.sol Conform Sens. to carbohydrates Conform

Code	Size	Packaging	Notes
423281	10 g	Glass bottle	
423282	25 g	Glass bottle	

For the determination of carbohydrates



Antimony standard solution

• Antimonio standard soluzione • Antimoine standard solution • Antimonio, solución patrón • Antimonstandardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group II



Danger

H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Antimony standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000400	100 ml	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5000400

Antimony standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505832	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505835	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid
505833	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Antimony standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503891	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503893	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503895	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503897	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503899	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
503898	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Antimony standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507525	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
507479	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
E497415	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497411	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Antimony standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
422731		Plastic ampoule	conc. 1.000 ppm Matrix: Hydrochloric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

**Antimony potassium tartrate**

• Antimonio potassio tartrato • Antimoine potassium tartrate • Antimonio y potasio tartrato
• Antimon-Kalium-Tartrat

Synonym:
Potassium antimonyl tartrate

$C_4H_2KO_6Sb_6 \cdot 1,5H_2O$
Molecular Weight: 333,93
CAS: 28300-74-5
EEC-N: 234-293-3

Classification transport

ONU: 1551
Transport Hazard class: 6.1
Packing group III

**Warning**

H302-H332-H411
P261-P264-P271-P301+P312a-P304+P340-P501a

Antimony potassium tartrate > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White crystalline powder Chloride ≤ 0.005 % Loss on drying (105°C) ≤ 2.7 %
Identification Positive Fe ≤ 0.001 % As ≤ 0.015 %
pH sol. 2% at 20°C 3.8 - 4.5 Water insoluble substances ≤ 0.05 % Assay (iodometric) ≥ 99.0 %

Code	Size	Packaging	Notes
423035	250 g	Plastic bottle	
423036	500 g	Plastic bottle	
423037	1 kg	Plastic bottle	

**Antimony trichloride**

• Antimonio triclorigo • Antimoine trichlorure • Antimonio triclorigo • Antimontrichlorid

Synonym:
Antimony(III) chloride

$SbCl_3$
Molecular Weight: 228,11
CAS: 10025-91-9

Classification transport

ONU: 2922
Transport Hazard class: 8
Packing group II

**Danger**

H302-H332-H314-H351-H361d-H335-H372-H412-
HEU301
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Antimony trichloride > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611007701	100 ml	Glass bottle	Ref Ph.Eur 1007701

Antimony trichloride > RPE - For analysis - ACS

RPE

Description White crystals Sulphate ≤ 50 ppm Cu ≤ 10 ppm Na ≤ 200 ppm
Identification Positive As ≤ 200 ppm Fe ≤ 20 ppm Pb ≤ 50 ppm
Chloroform insoluble ≤ 500 ppm Ca ≤ 50 ppm K ≤ 100 ppm Assay (iodometric) ≥ 99.0 %

Code	Size	Packaging	Notes
422834	100 g	Glass bottle	
422835	250 g	Glass bottle	



Aqueous calcium hydroxide

• Acqua di calce • Eau de chaux • Calcio hidróxido acuoso • Kalkwasser

Aqueous calcium hydroxide > RPE - For analysis

RPE

Description Clear liquid Identification Positive Assay 0.140 ÷ 0.169 % (p/p)

Code	Size	Packaging	Notes
E411921	1 l	Plastic bottle	



L(+)-Arginine

• L(+)-Arginina • L(+)-Arginine • L(+)-Arginina • L(+)-Arginin

Synonym:

(S)-2-Amino-5-guanidinopentanoic acid

$C_6H_{14}N_4O_2$
Molecular Weight: 174,2
CAS: 74-79-3
EEC-N: 200-811-1



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

L(+)-Arginine > RPE - For analysis

RPE

Description White crystalline powder Melting point ≥ 230 ° C Assay (non-aqueous medium) ≥ 98 %
Identification Positive Specific optical rotation $+26.3 \div +27.7$ °

Code	Size	Packaging	Notes
424271	100 g	Glass bottle	



L(+)-Arginine monohydrochloride

• L(+)-Arginina monocloridrato • L(+)-Arginine monochlorhydratée • L(+)-Arginina monoclorhidrato
• L-Argininmonohydrochlorid

Synonym:

(S)-(+)-2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid monohydrochloride

$C_6H_{14}N_4O_2 \cdot HCl$
Molecular Weight: 210,66
CAS: 1119-34-2
EEC-N: 214-275-1



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

L(+)-Arginine monohydrochloride > RPE - For analysis

RPE

Description White powder Loss on drying ≤ 0.2 % Heavy metals (Pb) ≤ 10 ppm Fe ≤ 10 ppm
Identification Positive Ammonium ≤ 200 ppm Residue on ignition ≤ 0.1 % Assay (non-aqueous medium) 98.5 ÷ 101.0 % s.s.
Potere rotat. spec. (c=8; HCl 6N) $+21.4 \div +23.5$ ° s.s. Water-insoluble matter ≤ 100 ppm Sulphate ≤ 300 ppm

Code	Size	Packaging	Notes
424268	5 g	Glass bottle	



Arsenazo III

• Arsenazo III • Arsenazo III • Arsenazo III • Arsenazo III

Synonym:

2,7-Bis(2-arsonophenylazo)chromotropic acid

$C_{22}H_{16}As_2N_4O_{14}S_2Na_2$
Molecular Weight: 774,36
CAS: 1668-00-4
EEC-N: 216-788-6

Classification transport

ONU: 3465
Transport Hazard class: 6.1
Packing group II



Danger

H301-H331-H410
P261-P271-P304+P340-P311a-P330-P403+P233

Arsenazo III > RPE - For analysis

RPE

Description Brown granular powder Identification Positive Sens.as complex.indicat Conform

Code	Size	Packaging	Notes
424281	1 g	Glass bottle	
424282	25 g	Glass bottle	

Suitable for determination of Th, Zr, U, Cd, Zn, Ca

**Arsenic standard solution**

• Arsenico standard soluzione • Arsenic standard solution • Arsenic, solución patrón • Arsen-Standardlösung

**Danger**

H350-HA26

P201-P202-P280-P308+P313-P405-P501a

Arsenic standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000501	100 ml	Plastic bottle	A 1 ppm solution: to dilute according to Ref Ph.Eur 5000501
615000509	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000500

Arsenic standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505312	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505315	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505313	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Arsenic standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503421	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503423	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503425	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503427	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Arsenic standard solution > RS - Standard solution for AAS**

RS

Code	Size	Packaging	Notes
504439	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507496	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Arsenic trioxide solution**

• Arsenico triossido soluzione • Arsenic trioxyde solution • Arsénico trióxido solución • Arsenitrioxid-Lösung

Synonym:

- Arsenic(III) oxide
- Arsenic trioxide



Molecular Weight: 197,84

CAS: 1327-53-3

Arsenic trioxide solution > RS - For analysis according to JP

RS

Code	Size	Packaging	Notes
616000001	100 ml	Plastic bottle	Arsenic (III) stock solution

Arsenic trioxide solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000001	100 ml	Plastic bottle	Arsenic trioxyde stock solution



L(+)*Ascorbic acid*

• Acido L(+)*ascorbico* • Acide L(+)*ascorbique* • Acido L(+)*ascórbico* • L(+)-*Ascorbinsäure*

Synonym:

- *Vitamin C*
- *L-Threoascorbic acid*

COCOH:COHCHCHOHCH₂OH

Molecular Weight: 176,13

CAS: 50-81-7

EEC-N: 200-066-2

L(+)*Ascorbic acid* > RPE - For analysis - ISO

RPE

Description	White crystal. powder	Loss on drying	≤ 0.1 %	Residue on ignition	≤ 300 ppm	Pb	≤ 0.5 ppm
Identification	Positive	Chloride	≤ 50 ppm	Sulphate	≤ 20 ppm	Assay (oxidimetric)	≥ 99.0 %
Melting point	190.5 ÷ 192.0 °C	Water-insoluble matter	≤ 30 ppm	Cu	≤ 0.3 ppm		
Specific optical rotation...	+20.5 ÷ +21.5 °	Heavy metals (Pb)	≤ 10 ppm	Fe	≤ 2 ppm		

Code	Size	Packaging	Notes
402404	100 g	Plastic bottle	
402406	500 g	Plastic bottle	
402407	1 kg	Plastic bottle	



L(+)*Asparagine*

• L(+)*Asparagina* • L(+)*Asparagine* • L(+)*Asparagina* • L(+)*Asparagin*

Synonym:

- (S)-(+)-2-*Aminosuccinamic acid*
- *L-Aspartic acid 4-amide*

C₄H₈N₂O₃·H₂O

Molecular Weight: 150,14

CAS: 5794-13-8

L(+)*Asparagine* > RPE - For analysis

RPE

Description	White crystalline powder	Residue on ignition	≤ 0.1 %	Ammonium	≤ 0.1 % (s.s.)
Identification (I.R.)	Positive	Heavy metals (Pb)	≤ 10 ppm	Chloride	≤ 0.02 %
Specific optical rotation...	+33.5 ÷ +36.5 °	As	≤ 1 ppm	Sulphate	≤ 0.03 %
Loss on drying	11.5 ÷ 12.5 %	Fe	≤ 10 ppm	Assay (non-aqueous medium)	98.5 ÷ 101.0 %

Code	Size	Packaging	Notes
424544	100 g	Glass bottle	
424547	1 kg	Plastic bottle	



L(+)*Aspartic acid*

• Acido L(+)*aspartico* • Acide L(+)*aspartique* • Acido L(+)*aspártico* • L(+)*Asparaginsäure*

Synonym:

- (S)-(+)-*Aminosuccinic acid*
- (S)-*Aminobutanedioic acid*

HOOCCHNH₂CH₂COOH

Molecular Weight: 133,1

CAS: 56-84-8

EEC-N: 200-291-6

L(+)*Aspartic acid* > RE - Pure

RE

Description	White crystalline powder	Loss on drying	≤ 0.2 %	Sulphate	≤ 300 ppm	Heavy metals (Pb)	≤ 10 ppm
Identification	Positive	Ammonium	≤ 500 ppm	As	≤ 1 ppm	Residue on ignition	≤ 0.1 %
Potere rotat. spec. (c=8; HCl 6N)	+24 ÷ +26 °	Chloride	≤ 200 ppm	Fe	≤ 10 ppm	Assay (non-aqueous medium)	≥ 98.0 % (s.s.)

Code	Size	Packaging	Notes
402442	25 g	Glass bottle	

**ASTM colour standards**

• Standard del colore ASTM • Etalons couleurs ASTM • Patrones de color ASTM • ASTM-Farbstandards

**Danger**H315-H304
P264-P280g-P301+P310a-P331-P362+P364-
P332+P313**ASTM colour standards > RS - For calibration****RS**

Code	Size	Packaging	Notes
540601	100 ml	Glass bottle	Sample A1
540602	100 ml	Glass bottle	Sample A3
540603	100 ml	Glass bottle	Sample A5
540604	100 ml	Glass bottle	Sample A7

**Ausilab 110**

• Ausilab 110 • Ausilab 110 • Ausilab 110 • Ausilab 110

**Warning**H319-HEU208
P264-P280i-P305+P351+P338-P337+P313**Ausilab 110 > RE - Pure - For glassware manual washing****RE**

Code	Size	Packaging	Notes
FG201149	4 x 5 kg	Plastic tank	

Multi-purpose detergent concentrate liquid, neutral. Contains: Anionic surfactants (15-30%), less than 5% emollients. Use: diluted in water, very foaming**Ausilab 140**

• Ausilab 140 • Ausilab 140 • Ausilab 140 • Ausilab 140

**Danger**H315-H318
P264-P280a-P305+P351+P338-P310a-P362+P364-
P332+P313**Ausilab 140 > RE - Pure - For glassware manual washing****RE**

Code	Size	Packaging	Notes
FG201220	4 x 5 kg	Plastic tank	

Degreaser concentrate, liquid, alkaline. Contains: EDTA and salts (5-15%), non-ionic surfactants (5-15%). Use: diluted in water**Ausilab 210**

• Ausilab 210 • Ausilab 210 • Ausilab 210 • Ausilab 210

**Danger**H315-H318
P264-P280a-P305+P351+P338-P310a-P362+P364-
P332+P313**Ausilab 210 > RE - Pure - For glassware washers****RE**

Code	Size	Packaging	Notes
FG201138	8 kg	Plastic bucket	

Detergent for glassware washers, powder, alkaline (suitable for use in the food industry). Contains: over than 30% of phosphates, less than 5% non-ionic surfactants. Use: concentration as dirt and water hardness



Ausilab 250

• Ausilab 250 • Ausilab 250 • Ausilab 250 • Ausilab 250



Warning

H319

P264-P280i-P305+P351+P338-P337+P313

Ausilab 250 > RE - Pure - For glassware washers

RE

Code	Size	Packaging	Notes
FG201139	4 x 5 kg	Plastic tank	

Neutralizing detergent for glassware washers, liquid, acid. Contains: over than 30% of organics acids. Use: for washers with automatic metering



Ausilab 260

• Ausilab 260 • Ausilab 260 • Ausilab 260 • Ausilab 260

NaCl

Molecular Weight: 58,44

CAS: 7647-14-5

Ausilab 260 > RE - Pure - For glassware washers

RE

Code	Size	Packaging	Notes
FG20C1156C5	5 kg	Plastic bucket	

Regenerating salt for dishwashers



Ausilab 280

• Ausilab 280 • Ausilab 280 • Ausilab 280 • Ausilab 280

Classification transport

ONU: 1719

Transport Hazard class: 8

Packing group III



Danger

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Ausilab 280 > RE - Pure - For glassware washers

RE

Code	Size	Packaging	Notes
FG201151	4 x 5 kg	Plastic tank	

Dishwashing detergent, liquid, alkaline (suitable for use in the food industry). Contains: over than 30% E.D.T.A., NaOH (5-15%). Use: For dishwashers with automatic metering



Ausilab 290

• Ausilab 290 • Ausilab 290 • Ausilab 290 • Ausilab 290

Classification transport

ONU: 1719

Transport Hazard class: 8

Packing group III



Danger

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Ausilab 290 > RE - Pure - For glassware washers

RE

Code	Size	Packaging	Notes
FG201200	4 x 6 kg	Plastic tank	

Dishwashing detergent, liquid, alkaline, manufactured according to Ecocert standard. Contains: over than 30% Citrates and gluconates, NaOH (5-15%). Use: For dishwashers with automatic metering



Ausilab 400

• Ausilab 400 • Ausilab 400 • Ausilab 400 • Ausilab 400

Classification transport
 ONU: 1987
 Transport Hazard class: 3
 Packing group III



Warning
 H226-H319-H412
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Ausilab 400 > RE - Pure - For hand washing cream

RE

Code	Size	Packaging	Notes
FG201146	6 x 800 ml	Box	

Alcoholic sanitizing gel, neutral. Contains: over 50% than alcohols, moisturizing agents (5-15%), benzalkonium chloride (0-1%). Use: Pure



Ausilab 500

• Ausilab 500 • Ausilab 500 • Ausilab 500 • Ausilab 500



Danger
 H315-H318-HEU208
 P264-P280a-P305+P351+P338-P310a-P362+P364-
 P332+P313

Ausilab 500 > RE - Pure - For washing

RE

Code	Size	Packaging	Notes
FG201140	15 x 750 ml	Box	

Purpose cleaner. Contains between 5 and 15% of alcohols, less than 5% non-ionic surfactants. Use: Direct spray of pure product



Azomethine H

• Azometina H • Azométhine H • Azometino H • Azomethin H

Synonym:
 4-Hydroxy-5-(2-hydroxybenzylideneamino)-
 naphthalene-2,7-disulfonic acid monosodium salt
 hydrate

$C_{17}H_{12}NNaO_8S_2 \cdot xH_2O$
 Molecular Weight: 445,4
 CAS: 206752-32-1



Warning
 H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Azomethine H > RPE - For analysis

RPE

Description Yellow orange powder Identification Positive

Code	Size	Packaging	Notes
424691	10 g	Glass bottle	
424692	25 g	Glass bottle	

Suitable for the determination of boron



Azure II

• Azzurro II • Azur II • Azur II • Azur II

CAS: 37247-10-2
Classification transport
 ONU: 2811
 Transport Hazard class: 6.1
 Packing group III



Danger
 H318
 P280i-P305+P351+P338-P310a

Azure II > RS - For microscopy - C.I. 52010/52015

RS

Description Polvere nera con riflessi verdi Maximum absorption 645 ÷ 650 nm Loss on drying at 110°C ≤ 15 %
 Identification Positive E 1% / 1 cm on dried substance 1850 ÷ 2100

Code	Size	Packaging	Notes
424721	5 g	Glass bottle	

Dye for bacteriology and hematology. Mix Azur - methylene blue



Azure II eosin

• Azzurro II eosina • Azur II Eosine • Azur II Eosina • Azur II Eosin

Synonym:

Azure II eosinate

CAS: 53092-85-6

Classification transport

ONU: 2811

Transport Hazard class: 6.1

Packing group III



Danger

H332-H318

P261-P271-P280i-P304+P340-P310a-

P305+P351+P338

Azure II eosin > RS - For microscopy - C.I. 52010/52015/45380

RS

Description	Dark blue powder	Maximum absorption lambda max	1645.0 ÷ 1000	Spec. absorption (E1%/1cm) lambda max	≥ 400
Identification	Positive	655.0 nm	Maximum absorption lambda max	2515.0 ÷ 525.0 nm	
Loss on drying (110°C).....	≤ 10 %	Spec. absorption (E1%/1cm) lambda max	≥ 525.0 nm		

Code	Size	Packaging	Notes
424731	5 g	Glass bottle	

Dye for bacteriology, hematology histopathology. Mix Azur - Methylene blue - eosin



Barbituric acid

• Acido barbiturico • Acide barbiturique • Acido barbitúrico • Barbitursäure

Synonym:

2,4,6-Trihydroxypyrimidine

NHCONHCOCH₂CO
Molecular Weight: 128,12
CAS: 67-52-7
EEC-N: 200-658-0

Barbituric acid > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White crystalline powder Identification Positive Melting point..... 250 ÷ 256 ° C Assay (acidimetric) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
402532	25 g	Glass bottle	
402535	250 g	Glass bottle	



Barium standard solution

• Bario standard soluzione • Baryum standard solution • Bario, solución patrón • Barium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Warning

H290
P234-P390-P406

Barium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000601	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5000601
615000609	100 ml	Plastic bottle	A 50 ppm solution: to dilute according to Ref Ph.Eur 5000600

Barium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505327	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505328	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505329	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Barium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503451	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503453	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503455	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503457	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Barium standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507527	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507481	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497445	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497441	500 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Barium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
424861		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Barium acetate

• Bario acetato • Baryum acétate • Bario acetato • Bariumacetat

Ba(CH₃COO)₂
Molecular Weight: 255,42
CAS: 543-80-6
EEC-N: 208-849-0



Warning

H302-H332
P261-P264-P271-P301+P312a-P304+P340-P501a

Barium acetate > RPE - For analysis - ACS

RPE

K ≤ 30 ppm Water-insoluble matter ≤ 100 ppm Heavy metals (Pb) ≤ 5 ppm Fe ≤ 10 ppm
Description White crystalline powder Oxidizing subst.(NO₃) ≤ 50 ppm Ca ≤ 500 ppm Sr ≤ 0.2 %
Identification Positive Chloride ≤ 10 ppm Na ≤ 50 ppm Assay (complexometric) 99.0 ÷ 102.0 %

Code	Size	Packaging	Notes
424895	100 g	Plastic bottle	
424896	500 g	Plastic bottle	
424897	1 kg	Plastic bottle	



Barium carbonate

• Bario carbonato • Baryum carbonate • Bario carbonato • Bariumcarbonat

BaCO₃
Molecular Weight: 197,34
CAS: 513-77-9
EEC-N: 208-167-3



Warning

H302
P264-P270-P301+P312a-P330-P501a

Barium carbonate > RPE - For analysis - ACS - Reag. Ph.Eur.

RPE

Description White powder Oxidizing subst.(NO₃) ≤ 50 ppm Ca ≤ 500 ppm K ≤ 50 ppm
Identification Positive Chloride ≤ 20 ppm Fe ≤ 20 ppm Sr ≤ 0.7 %
Water-soluble titrable base . ≤ 0.002 meq/g Sulphide ≤ 10 ppm Na ≤ 200 ppm
HCl-insoluble matter ≤ 150 ppm Heavy metals (Pb) ≤ 10 ppm Assay (alkalimetric) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
424945	250 g	Plastic bottle	
424943	25 kg	Plastic bucket	

Barium carbonate > RE - Pure

RE

Description Hazel-white powder Identification Positive Fe ≤ 50 ppm Assay (alkalimetric) ≥ 99.0 %

Code	Size	Packaging	Notes
321507	1 kg	Plastic bottle	
321502	25 kg	Plastic bucket	



Barium chloride dihydrate

• Bario cloruro diidrato • Baryum chlorure dihydraté • Bario cloruro dihidratado • Bariumchlorid-Dihydrat

BaCl₂
Molecular Weight: 208,23
CAS: 10361-37-2

Classification transport
ONU: 1564
Transport Hazard class: 6.1
Packing group III



Danger

H301-H332-H319
P261-P271-P301+P310a-P304+P340-
P305+P351+P338-P337+P313

Barium chloride dihydrate > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611009300	100 g	Glass bottle	Ref Ph.Eur 1009300

Barium chloride dihydrate > RPE - For analysis - ACS

RPE

Appearance	White crystalline powder	Ca	≤ 0.05 %	Na	≤ 0.005 %	Loss on drying	14.0 - 16.0 %
pH	5.2 - 8.2	Fe	≤ 2 ppm	Heavy metals (as Pb)	≤ 5 ppm	Insoluble matter	≤ 0.005 %
BaCl ₂ ·2H ₂ O	≥ 99.0 %	Sr	≤ 0.1 %	K	≤ 0.0025 %	Oxidizing substances (as NO ₃) ..	≤ 0.005 %

Code	Size	Packaging	Notes
425025	100 g	Plastic bottle	
425026	500 g	Plastic bottle	
425027	1 kg	Plastic bottle	
425029	5 kg	Plastic jar	
425022	25 kg	Plastic bucket	

Barium chloride dihydrate > RE - Pure

RE

Description	White crystals	Identification	Positive	Assay (argentimetric)	≥ 98 %
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Code	Size	Packaging	Notes
321757	1 kg	Plastic bottle	
321758	5 kg	Plastic tank	
321752	25 kg	Plastic bucket	



Barium chloride solution 10%

• Bario cloruro soluzione 10% • Baryum chlorure solution 10% • Bario cloruro solución 10% • Bariumchlorid 10%

BaCl₂·2H₂O
Molecular Weight: 244,27
CAS: 10326-27-9



Warning

H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Barium chloride solution 10% > RPE - For analysis

RPE

Description	Clear colourless liquid	Identification	Positive	Density at 15° C	1.08 ÷ 1.10	Assay (argentimetric)	9.5 ÷ 10.5 %
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Code	Size	Packaging	Notes
E425101	1 l	Plastic bottle	

Suitable for water analysis



Barium chloride 0.1 mol/l (0.2N)

• Bario cloruro 0.1 mol/l (0.2N) • Baryum chlorure 0.1 mol/l (0.2N) • Bario cloruro 0.1 mol/l (0.2N) • Bariumchlorid 0.1 mol / l (0.2 N)

BaCl₂·2H₂O
CAS: 10326-27-9

HEU210

Barium chloride 0.1 mol/l (0.2N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613000600	1 l	Plastic bottle	Ref Ph.Eur 3000600



Barium chloride solution 61 g/l

• Bario cloruro soluzione 61 g/l • Baryum chlorure 61g/l • Bario cloruro solución 61 g/l • Bariumchlorid 61 g/l

BaCl₂
Molecular Weight: 208,25
CAS: 10361-37-2

Barium chloride solution 61 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611009303	100 ml	Plastic bottle	Barium chloride solution R1 Ref Ph.Eur 1009301
611009309	250 ml	Plastic bottle	Barium chloride solution R1 Ref Ph.Eur 1009301
611009301	1 l	Plastic bottle	Barium chloride solution R1 Ref Ph.Eur 1009301



Barium chloride 30 g/l

• Bario cloruro 30 g/l • Baryum chlorure 30 g/l • Bario cloruro 30 g/l • Bariumchlorid 30 g/l

BaCl₂·2H₂O
Molecular Weight: 244,27
CAS: 10326-27-9

Barium chloride 30 g/l > RS - For analysis according to JP

RS

Code	Size	Packaging	Notes
616001018	100 ml	Plastic bottle	Barium chloride TS

Barium chloride 30 g/l > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000161	100 ml	Plastic bottle	Barium chloride TS



Barium chromate

• Bario cromato • Baryum chromate • Bario cromato • Bariumchromat

BaCrO₄
Molecular Weight: 253,33
CAS: 10294-40-3
EEC-N: 233-660-5

Classification transport
ONU: 1479
Transport Hazard class: 5.1
Packing group II



Warning
H272-H302-H332
P210-P220-P261-P271-P280-P304+P340

Barium chromate > RE - Pure

RE

Description Yellow powder HCl-insoluble matter ≤ 0.1 % Fe ≤ 20 ppm
Identification Positive Chloride ≤ 100 ppm Assay (oxidimetric) ≥ 99 %

Code	Size	Packaging	Notes
425245	250 g	Glass bottle	



Barium hydroxide octahydrate

• Bario idrossido ottaidrato • Baryum hydroxyde octahydraté • Bario hidróxido octahidrato • Bariumhydroxid-Octahydrat

Ba(OH)₂·8H₂O
Molecular Weight: 315,48
CAS: 12230-71-6
EEC-N: 241-234-5

Classification transport
ONU: 1564
Transport Hazard class: 6.1
Packing group III



Danger
H302-H314-HEU071
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Barium hydroxide octahydrate > RPE - For analysis

RPE

Description White crystals Chloride ≤10 ppm Sulphide ≤5 ppm Sr ≤1.5 %
Identification Positive HCl-insoluble matter ≤50 ppm Ca ≤50 ppm Assay (alkalimetric) ≥98.0 %
Carbonate ≤2.0 % Heavy metals (Pb) ≤5 ppm Fe ≤5 ppm

Code	Size	Packaging	Notes
425295	100 g	Plastic bottle	
425296	500 g	Plastic bottle	
425297	1 kg	Plastic bottle	
425292	25 kg	Plastic bucket	

Barium hydroxide octahydrate > RE - Pure

RE

Description White crystals Chloride ≤500 ppm Fe ≤50 ppm
Identification Positive HCl-insoluble matter ≤500 ppm Assay (alkalimetric) ≥95 %

Code	Size	Packaging	Notes
322007	1 kg	Plastic bottle	
322009	5 kg	Plastic tank	
322001	25 kg	Plastic bucket	
322004	50 kg	Plastic bucket	



Barium hydroxide solution 5%

• Bario idrossido soluzione 5% • Baryum hydroxyde solution 5% • Bario hidróxido solución 5% • Bariumhydroxidlösung 5%

Ba(OH)₂·8H₂O
Molecular Weight: 315,48
CAS: 12230-71-6

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Barium hydroxide solution 5% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C ≥1.03 Assay 4.7 ÷ 5.3 % (p/p)

Code	Size	Packaging	Notes
E425301	1 l	Bottle	



Barium hydroxide solution 47.3 g/l

• Bario idrossido soluzione 47.3 g/l • Baryum hydroxyde solution 47.3 g/l • Bario hidróxido solución 47.3 g/l • Bariumhydroxidlösung 47.3 g / l

Ba(OH)₂·8H₂O
Molecular Weight: 315,48
CAS: 12230-71-6

Barium hydroxide solution 47.3 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611009409	250 ml	Plastic bottle	Ref Ph.Eur 1009401
611009401	1 l	Plastic bottle	Ref Ph.Eur 1009401



Barium nitrate

• Bario nitrato • Baryum nitrate • Bario nitrato • Bariumnitrat

Ba(NO₃)₂
Molecular Weight: 261,34
CAS: 10022-31-8
EEC-N: 233-020-5

Classification transport
ONU: 1446
Transport Hazard class: 5.1
Packing group II



Danger
H272-H301-H332-H319
P210-P261-P271-P280-P304+P340-
P305+P351+P338

Barium nitrate > RPE - For analysis - ACS

RPE

Description White crystals pH sol. 5% at 25° C 5.0 ÷ 8.0 Fe ≤ 5 ppm Assay ≥ 99.0 %
Identification Positive Chloride ≤ 10 ppm Ca ≤ 0.005 % Heavy metals (Pb) ≤ 10 ppm

Code	Size	Packaging	Notes
425342	500 g	Plastic bottle	
425347	1 kg	Plastic bottle	
425341	25 kg	Plastic bucket	



Barium perchlorate trihydrate

• Bario perclorato triidrato • Baryum perchlorate trihydraté • Bario perclorato trihidrato • Bariumperchlorat-trihidrat

Ba(ClO₄)₂·3H₂O
Molecular Weight: 390,29
CAS: 10294-39-0
EEC-N: 236-710-4

Classification transport
ONU: 1447
Transport Hazard class: 5.1
Packing group II



Danger
H271-H302-H332
P210-P261-P271-P280-P283-P304+P340

Barium perchlorate trihydrate > RPE - For analysis

RPE

Description White crystals Water-insoluble matter ≤100 ppm Cu ≤25 ppm Pb ≤25 ppm
Identification Positive Methyl alcohol insolub ≤100 ppm Fe ≤3 ppm Sr ≤0.6 %
Total nitrogen ≤20 ppm Heavy metals (Pb) ≤5 ppm K ≤100 ppm Zn ≤20 ppm
Chlorate ≤300 ppm Substances not ppt. H₂S ≤0.1 % Na ≤100 ppm Assay (complexometric) ≥99.8 %
Chloride ≤10 ppm Ca ≤100 ppm Ni ≤25 ppm

Code	Size	Packaging	Notes
425411	50 g	Glass bottle	

Barium perchlorate 0.05 mol/l
 • Bario perclorato 0.05 mol/l • Baryum perchlorate 0.05 mol/l • Bario perclorato 0.05 mol/l • Bariumperchlorat 0.05 mol/l

Ba(ClO₄)₂
 Molecular Weight: 336,23
 CAS: 13465-95-7

Classification transport
 ONU: 2924
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H315-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P332+P313

Barium perchlorate 0.05 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613000700	1 l	Plastic bottle	Ref Ph.Eur 3000700

Barium perchlorate 0.025 mol/l
 • Bario perclorato 0.025 mol/l • Baryum perchlorate 0.025 mol/l • Bario perclorato 0.025 mol/l • Bariumperchlorat 0.025 mol/l
 Synonym: *Barium diperchlorate*

Ba(ClO₄)₂
 Molecular Weight: 336,23
 CAS: 13465-95-7

Classification transport
 ONU: 2924
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H315-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P332+P313

Barium perchlorate 0.025 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613009601	500 ml	Plastic bottle	Ref Ph.Eur 3009600

Barium sulfate
 • Bario solfato • Baryum sulfate • Bario solfato • Bariumsulfat
 Synonym: *Baryte*

BaSO₄
 Molecular Weight: 233,4
 CAS: 7727-43-7
 EEC-N: 231-784-4

Barium sulfate > RPE - For analysis

RPE

Description	White powder	Total nitrogen	≤30 ppm	Silicate	≤20 ppm	Na	≤500 ppm
Identification	Positive	Chloride	≤300 ppm	As	≤1 ppm	Ni	≤5 ppm
Organic substances	Conform	Phosphate	≤10 ppm	Cd	≤5 ppm	Pb	≤5 ppm
Loss on ignition	≤1.5 %	Heavy metals (Pb)	≤10 ppm	Cu	≤5 ppm	Zn	≤10 ppm
Acidity (H ₂ SO ₄)	≤100 ppm	Soluble barium salts	≤50 ppm	Fe	≤20 ppm	Assay (complexometric)	≥97 %
Alkalinity(Ba idroside)	≤40 ppm	Soluble salts	≤0.2 %	K	≤100 ppm		

Code	Size	Packaging	Notes
425497	1 kg	Plastic bottle	

Barium sulfate > RE - Pure

RE

Description	White powder	Chloride	≤0.1 %	Subst. reducing KMnO ₄	≤40 ppm(10m)
Identification	Positive	Phosphate	≤200 ppm	Fe	≤20 ppm
Loss on ignition	≤2 %	Nitrate	≤50 ppm	Zn	≤20 ppm

Code	Size	Packaging	Notes
322607	1 kg	Plastic bottle	

Baryte ► Barium sulfate

Basic violet 3 ► Crystal violet

Basic Violet 14 ► Fuchsin basic



Benedict's reagent

• Benedict reattivo • Réactif de Bénédict • Reactivo de Benedict • Reagenz von Benedict

H412
P273-P501a

Benedict's reagent > RS - For microscopy

RS

Description Clear blue liquid Identification Positive

Code	Size	Packaging	Notes
E425742	1 l	Glass bottle	

Suitable for the determination of glucose



Benzaldehyde

• Aldeide benzoica • Aldéhyde benzoïque • Aldehído benzoico • Benzaldehyd

Synonym:
Bitter almond

C_6H_5CHO
Molecular Weight: 106,12
CAS: 100-52-7
EEC-N: 202-860-4

Classification transport
ONU: 1990
Transport Hazard class: 9
Packing group III



Warning
H302
P264-P270-P301+P312a-P330-P501a

Benzaldehyde > RPE - For analysis - Reag. Ph. Eur.

RPE

Description Clear colorless to pale yellow Refractive index at 20°C 1.5440 ÷ 1.5460 Assay (GLC) ≥ 99.0 %
Identification Positive Acidity (benzoic acid) ≤ 0.5 %

Code	Size	Packaging	Notes
415362	500 ml	Glass bottle	



Benzalkonium chloride

• Benzalconio cloruro • Benzalkonium chlorure • Benzalconio cloruro • Benzalkoniumchlorid

Synonym:
Alkylbenzyltrimethylammonium chloride

$C_6H_5CH_2N(CH_3)_3Cl$
Molecular Weight: 365
CAS: 63449-41-2
EEC-N: 264-151-6

Classification transport
ONU: 3259
Transport Hazard class: 8
Packing group II



Danger
H302-H312-H314-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364

Benzalkonium chloride > ERBApharm - According to pharmacopoeia: NF

ERBApharm

Description Polvere o polvere gelatinosa Water not sol. matter Conform NF Rapporto dei comp. alchilici (HPLC) Conform Residue on calcination ≤ 2.0 %
bianco-giallognola Ammine estranee Conform NF NF Assay 97.0 ÷ 103.0 % s.s.
Identification Positive Water ≤ 15.0 %

Code	Size	Packaging	Notes
322737	1 kg	Plastic bottle	
322738	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Benzalkonium chloride > RE - Pure

RE

Description Yellow liqui-solid Aspetto soluzione 1% Conform Sulphated ash ≤ 0.1 %
Identification Positive Water (K.F.) ≤ 10 % Assay (non-aqueous medium) 98.5 ÷ 103.0 % (s.s.)

Code	Size	Packaging	Notes
322721	250 g	Plastic bottle	



Benzene

• Benzene • Benzène • Benceno • Benzol

C_6H_6

Molecular Weight: 78,11

CAS: 71-43-2

EEC-N: 200-753-7

Classification transport

ONU: 1114

Transport Hazard class: 3

Packing group II



Danger

H225-H310-H315-H319-H340-H350-H372-H304-HA26

P210-P241-P280-P301+P310a-P303+P361+P353-P305+P351+P338

Benzene > RPE - For analysis - ACS

RPE

Description Clear liquid Ready carbonizable substances..... Conform Residue on evaporation ≤10 ppm Total sulphur ≤5 ppm
 Colour (APHA) ≤10 Water (K.F) ≤500 ppm Tiophene Conform Assay (GLC) ≥99.0 %

Code	Size	Packaging	Notes
426113	2.5 l	Glass bottle	



Benzene-d6

• Benzene-d6 • Benzène-d6 • Benceno-d6 • Benzol-d6

Synonym:

Hexadeuterobenzene

C_6D_6

Molecular Weight: 84,07

CAS: 1076-43-3

EEC-N: 214-061-8

Classification transport

ONU: 1114

Transport Hazard class: 3

Packing group II



Danger

H225-H301-H311-H330-H350-HA26

P210-P280-P284-P303+P361+P353-P304+P340-P403+P233

Benzene-d6 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5089	10 x 0.75 ml	Glass ampoule	
P5085	25 ml	Glass bottle	
P5086	100 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

Benzenemethanol ▶ Benzyl alcohol



Benzenesulfonyl chloride

• Benzenesolfonile cloruro • Benzène sulfonyle chlorure • Bencenosulfonilo cloruro • Benzolsulfonylchlorid

$C_6H_5SO_2Cl$

Molecular Weight: 176,62

CAS: 98-09-9

EEC-N: 202-636-6

Classification transport

ONU: 2225

Transport Hazard class: 8

Packing group III



Danger

H302-H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Benzenesulfonyl chloride > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C ~ 1.377 Melting point 15 ÷ 17 ° C
 Identification Positive Refractive index at 20°C ~ 1.552 Assay ≥99 %

Code	Size	Packaging	Notes
426231	10 ml	Glass bottle	

For derivatization

Benzethonium chloride ▶ Hyamine 1622



Benzoic acid

• Acido benzoico • Acide benzoïque • Acido benzóico • Benzoessäure

C_6H_5COOH
Molecular Weight: 122,12
CAS: 65-85-0
EEC-N: 200-618-2



Danger

H315-H318-H372
P260-P264-P305+P351+P338-P310a-P362+P364-P332+P313

Benzoic acid > RS - For analysis according to Ph. Eur. Chap. 4.2.1

RS

Code	Size	Packaging	Notes
612000200	100 g	Plastic bottle	Ref Ph.Eur 2000200

Benzoic acid > RS - Standard for volumetry

RS

Description White crystalline powder Identification Positive Assay (acidimetric) ≥99.8 %

Code	Size	Packaging	Notes
402621	10 g	Glass bottle	

Benzoic acid > RPE - For analysis - ACS

RPE

Description White crystalline powder Subst. reducing $KMnO_4$ Conform Sulphur compounds ≤ 0.002 %
Identification (I.R.) Positive Heavy metals (Pb) ≤ 5 ppm Residue on calcination ≤ 0.005 %
Insol. in alcol metilico ≤ 0.005 % Chlorinated compounds ≤ 0.005 % Assay (acidimetric) ≥ 99.5 %

Code	Size	Packaging	Notes
402636	100 g	Plastic bottle	
402635	250 g	Plastic bottle	
402637	1 kg	Plastic bottle	

Benzoic acid > ERBApharm - According to pharmacopeia: Ph.Eur.-USP-FU-Ph.Franc.-BP

ERBApharm

Description White crystalline powder Oxidizing substances Conform Ph.Eur. Halogenated and halides ≤300 ppm Residual solvents (Current ICH) Conform
Identification Positive Freezing point $121 \div 123$ °C Heavy metals (Pb) ≤10 ppm
Appearance of solution Conform Ph.Eur. Water (K.F.) ≤0.7 % Assay (acidimetric) $99.5 \div 100.5$ %s.s.
Carbonizable substances ... Conform Ph.Eur. Sulphated ash ≤0.05 % Origin (BSE/TSE) Synthesis

Code	Size	Packaging	Notes
302087	1 kg	Plastic bottle	
302089	5 kg	Plastic tank	
302082	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Benzoic acid benzyl ester ► Benzyl benzoate



p-Benzoquinone

• p-Benzochinone • p-Benzoquinone • p-benzoquinona • p-Benzochinon

Synonym:
Quinone

$C_6H_4O_2$
Molecular Weight: 108,09
CAS: 106-51-4
EEC-N: 203-405-2

Classification transport

ONU: 2587
Transport Hazard class: 6.1
Packing group II



Danger

H301-H331-H315-H319-H335-H400
P304+P340-P311a-P305+P351+P338-P330-
P362+P364-P403+P233

p-Benzoquinone > RPE - For analysis

RPE

Description Yellow-green powder Melting point $112.0 \div 116.0$ °C Assay (iodometric) ≥ 98.5 %
Identification Positive Water ≤ 0.5 %

Code	Size	Packaging	Notes
436853	50 g	Glass bottle	
436854	100 g	Plastic bottle	

For spectrophotometric microdetermination of amines

	Benzyl alcohol	Synonym: <i>Benzenemethanol</i>
	• Alcòle benzilico • Alcool benzylique • Alcohol bencílico • Benzylalkohol	

C6H5CH2OH
 Molecular Weight: 108,14
 CAS: 100-51-6
 EEC-N: 202-859-9



Warning

H302-H312-H332-H319
 P261-P264-P271-P304+P340-P305+P351+P338-P337+P313

Benzyl alcohol > RPE - For analysis - Stabilized with 0,02% BHA

RPE

Description	Clear colourless liquid	Boiling point.....	204.9 ÷ 205.9 °C	Benzaldehyde(GLC)	≤0.1 %	Peroxides (H2O2)	≤10 ppm
Identification (I.R.).....	Conform	Acidity (benzoic acid).....	≤200 ppm	Total chlorine	≤50 ppm	Residue on ignition.....	≤20 ppm
Water miscibility.....	Conform	Water (K.F.).....	≤0.1 %	Carbonyl Compounds (CO)	≤100 ppm	Fe	≤10 ppm
Refractive index at 20°C.....	1.5376 ÷ 1.5416	Alcalinity (NaOH).....	≤34 ppm	Heavy metals (Pb).....	≤5 ppm	Assay (GLC)	≥99.5 %

Code	Size	Packaging	Notes
414052	1 l	Glass bottle	

Store between 2-8 °C

Benzyl alcohol > RPE - For analysis

RPE

Description	Clear liquid	Density at 20° C	~ 1.04	Water (K.F.).....	≤0.1 %	Assay (GLC)	≥99.8 %
Colour (APHA).....	≤10	Refractive index at 20° C.....	~ 1.54	Total chlorine	≤100 ppm		
Identification	Positive	Boiling point.....	204.5 ÷ 205.5 °C	Benzaldehyde	≤0.1 %		

Code	Size	Packaging	Notes
414022	1 l	Glass bottle	
414024	2.5 l	Glass bottle	

Store between 2-8 °C

Benzyl alcohol > ERBapharm - According to pharmacopoeia: BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBapharm

Description	Clear colourless liquid	Refractive index at 20°C.....	1.538 ÷ 1.541	Solubility.....	Conform Ph. Eur.	0.3 %	
Identification	Positive	Residue on evaporation	≤500 ppm	Cyclohexylmethanol (GLC).....	≤0.10 %	Assay (acidimetric)	98.0 ÷ 100.5 %
Appearance of solution	Conform Ph.Eur.	Analogous subst. GLC.....	Conform Ph.Eur.	Peaks sum rel.ret. less than C6H5CH2OH ≤	0.04 %		
Acidity	Conform Ph.Eur.	Benzaldehyde (GLC)	≤0.15 %	Peaks sum rel.ret. great than C6H5CH2OH≤			
Density at 20° C	1.043 ÷ 1.049	Peroxide value.....	≤5				

Code	Size	Packaging	Notes
308131	1 l	Glass bottle	
308132	2.5 l	Glass bottle	
308138	23 kg	Drum	
308137	200 l	Drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Benzyl benzoate	Synonym: <i>Benzoic acid benzyl ester</i>
	• Benzile benzoato • Benzyle benzoate • Bencilo benzoato • Benzylbenzoat	

C6H5COOCH2C6H5
 Molecular Weight: 212,25
 CAS: 120-51-4
 EEC-N: 204-402-9



Warning

H302-H411
 P264-P270-P301+P312a-P330-P391-P501a

Benzyl benzoate > RPE - For analysis

RPE

Description	Clear liquid	Refractive index at 20°C.....	1.5651 ÷ 1.5711	Acidity (benzoic acid)	≤ 0.12 %
Identification	Positive	Melting point.....	18.6 ÷ 20.2 °C	Carbonyl Compounds (CO).....	≤ 0.04 %
Density at 20°C	1.118 ÷ 1.122	Water (K.F.).....	≤ 0.05 %	Assay (GLC)	≥ 99 %

Code	Size	Packaging	Notes
426761	250 ml	Glass bottle	
426763	1 l	Glass bottle	

Benzyl benzoate > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP**ERBapharm**

Description	Clear colourless liquid	Organic volatile impurities Conform USP-NF	Refractive index at 20°C.....	1.568 ÷ 1.570	Sulphated ash.....	≤ 0.1 %	
Identification	Positive	Density at 20° C	1.118 ÷ 1.122	Freezing point	≥ 17.0 ° C	Assay (alkalimetric).....	99.0 ÷ 100.5 %
Acidity	Conform Ph.Eur.	Density at 25° C	1.116 ÷ 1.120	Aldehyde	≤ 0.05 %		

Code	Size	Packaging	Notes
323101	1 l	Glass bottle	
323102	2.5 l	Glass bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Beryllium standard solution**

• Berillio standard soluzione • Beryllium standard solution • Berilio, solución patrón • Beryllium-Standardlösung

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group II

Beryllium standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505332	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505335	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505333	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Beryllium standard solution > RS - Standard solution for ICP**RS**

Code	Size	Packaging	Notes
503461	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503463	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Beryllium standard solution > RS - Standard solution for AAS**RS**

Code	Size	Packaging	Notes
506941	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507497	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Bismarck brown R**

• Bruno Bismarck R • Brun Bismarck R • Pardo de Bismarck R • Bismarck brown R

$C_{21}H_{24}N_8 \cdot 2HCl$
Molecular Weight: 461,39
CAS: 8005-78-5
EEC-N: 232-341-8

**Warning**

H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Bismarck brown R > RS - For microscopy - C.I. 21010**RS**

Description

Brown powder

Identification

Positive

E 1% / 1 cm a 460 nm.....

≥250

Loss on drying (110°C).....

≤10 %

Code	Size	Packaging	Notes
431252	25 g	Glass bottle	

Dye for bacteriology, histology



Bismuth, granules

• Bismuto, granelli • Bismuth, granules • Bismuto, gránulos • Wismut, Granulat

Bi
Molecular Weight: 208,98
CAS: 7440-69-9
EEC-N: 231-177-4

Bismuth, granules > RPE - For analysis

RPE

DescriptionMetallic granules Identification Positive Melting point..... ~ 272 °C

Code	Size	Packaging	Notes
428064	100 g	Glass bottle	



Bismuth standard solution

• Bismuto standard soluzione • Bismuth standard solution • Bismuto, solución patrón • Wismut-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group II



Danger

H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Bismuth standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615005300	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5005300

Bismuth standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505337	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505338	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505339	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Bismuth standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503471	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503473	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503475	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503477	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Bismuth standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507528	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507482	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497455	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497451	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Bismuth standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
428071		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package**Bismuth(III) carbonate basic**

- Bismuto carbonato basico • Bismuth (III) carbonate basique • Bismuto (III) carbonato basico
- Wismut (III) basisches Carbonat

Synonym:
Bismuth subcarbonate

(BiO)₂CO₃
Molecular Weight: 509,97
CAS: 5892-10-4
EEC-N: 227-567-9

Bismuth(III) carbonate basic > RPE - For analysis

RPE

Description Yellowish powder Ag ≤ 25 ppm Pb ≤ 20 ppm Chloride ≤ 0.05 %
 Identification Positive As ≤ 5 ppm Assay (complexometric) 97.6 ÷ 100.7 % Nitrate ≤ 0.4 %
 Loss on drying ≤ 1.0 % Cu ≤ 50 ppm Alkaly-alkaline earth ≤ 1.0 %

Code	Size	Packaging	Notes
428103	50 g	Glass bottle	
428105	250 g	Plastic bottle	

**Bismuth(III) nitrate basic**

- Bismuto nitrato basico • Bismuth (III) nitrate basique • Bismuto (III) nitrato basico
- Wismut (III) nitrat basisch

Synonym:
Bismuth subnitrate

Bi₅O(OH)₉(NO₃)₄
Molecular Weight: 1461,99
CAS: 1304-85-4
EEC-N: 215-136-8

Classification transport
ONU: 1477
Transport Hazard class: 5.1
Packing group II



Danger
H272-H315-H319-H335
P210-P261-P280-P304+P340-P305+P351+P338-
P403+P233

Bismuth(III) nitrate basic > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White powder Identification Positive Assay (Bi) 71.0 - 74.0 %

Code	Size	Packaging	Notes
428294	100 g	Glass bottle	

Bismuth(III) nitrate basic > RPE - For analysis

RPE

Description White powder Chloride ≤ 200 ppm Ag ≤ 25 ppm Pb ≤ 30 ppm
 Identification Positive Assay (Bi) 71.0 - 74.0 % Cu ≤ 50 ppm

Code	Size	Packaging	Notes
428284	100 g	Glass bottle	
428286	500 g	Glass bottle	

For Dragendorff reagent

Bismuth(III) nitrate pentahydrate • Bismuto (III) nitrato pentaidrato • Bismuth (III) nitrate pentahydraté • Bismuto (III) nitrato pentahidratado • Wismut (III) nitratpentahydrat

Bi(NO₃)₃·5H₂O
 Molecular Weight: 485,07
 CAS: 10035-06-0
 EEC-N: 233-791-8

Classification transport
 ONU: 1477
 Transport Hazard class: 5.1
 Packing group II



Danger
 H272-H315-H319-H335
 P210-P261-P280-P304+P340-P305+P351+P338-
 P403+P233

Bismuth(III) nitrate pentahydrate > RPE - For analysis

RPE

Description White crystals or crystalline powder
 Insoluble matter (in Nitric Acid) .. ≤ 0.005 %
 Sulphate ≤ 50 ppm
 Identification Positive
 Ag ≤ 10 ppm
 Chloride ≤ 10 ppm
 As ≤ 10 ppm
 Cu ≤ 20 ppm
 Fe ≤ 10 ppm
 Ni ≤ 10 ppm
 Pb ≤ 10 ppm
 Zn ≤ 10 ppm
 Ca ≤ 20 ppm
 Mg ≤ 10 ppm
 Assay ≥ 98.0 %

Code	Size	Packaging	Notes
428234	100 g	Glass bottle	
428236	500 g	Glass bottle	

Bismuth(III) nitrate pentahydrate > RE - Pure

RE

Description White crystals
 Chloride ≤ 350 ppm
 As ≤ 10 ppm
 Identification Positive
 Sulphate ≤ 600 ppm
 Assay (complexometric) ≥ 98 %

Code	Size	Packaging	Notes
324185	250 g	Glass bottle	

N,O-Bis(trimethylsilyl)acetamide • N,O-Bis (trimetilsilil)acetammide • N,O-Bis(triméthylsilyl)acétamide • N,O-Bis (trimetilsilil) acetamida • N,O-Bis (trimethylsilyl) acetamid

Synonym:
 BSA

CH₂C[NSi(CH₃)₃]OSi(CH₃)₃
 Molecular Weight: 203,43
 CAS: 10416-59-8
 EEC-N: 233-892-7

Classification transport
 ONU: 1993
 Transport Hazard class: 3
 Packing group III



Warning
 H226-H302
 P210-P241-P264-P280-P303+P361+P353-
 P403+P235

N,O-Bis(trimethylsilyl)acetamide > RPE - For analysis

RPE

Description Clear yellow liquid
 Identification Positive
 Density at 20° C ~ 0.835
 Assay (GC) ≥ 97 %

Code	Size	Packaging	Notes
489934	25 ml	Glass bottle	

For derivatization

N,O-Bis(trimethylsilyl)-trifluoroacetamide • N,O-Bis (trimetilsilil)trifluoroacetammide • N,O-Bis(triméthylsilyl)trifluoroacétamide • N,O-Bis (trimetilsilil) trifluoroacetamida • N,O-Bis-(trimethylsilyl) trifluoroacetamid

Synonym:
 BSTFA

C₈H₁₈F₃NOSi₂
 Molecular Weight: 257,39
 CAS: 25561-30-2
 EEC-N: 247-103-9

Classification transport
 ONU: 2920
 Transport Hazard class: 8
 Packing group II



Danger
 H226-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

N,O-Bis(trimethylsilyl)-trifluoroacetamide > RPE - For analysis

RPE

Description Yellow clear liquid
 Identification Positive
 Density at 20° C ≤ 0.985
 Assay (GLC) ≥ 98 %

Code	Size	Packaging	Notes
489561	25 ml	Glass bottle	

For derivatization



Biuret 97%

• Biureto 97% • Biuret 97% • Biuret 97% • Biuret 97%

Synonym:

- Allophanic acid amide
- Carbamoyl urea

$\text{NH}_2\text{CONHCONH}_2$
Molecular Weight: 103,08
CAS: 108-19-0
EEC-N: 203-559-0



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Biuret 97% > RS - For microscopy

RS

Description White crystalline powder Identification Positive Water (K.F.) ≤ 2 %

Code	Size	Packaging	Notes
428432	25 g	Glass bottle	



Biuret reagent

• Biureto reattivo • Réactif au biuret • Biuret reattivo • Biuret-Reagenz

Synonym:

- Allophanic acid amide
- Carbamoyl urea

$\text{NH}_2\text{CONHCONH}_2$
Molecular Weight: 103,08
CAS: 108-19-0
EEC-N: 203-559-0



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Biuret reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611011601	1 l	Plastic bottle	Biuret reagent Ref Ph.Eur 1011601



Boric acid

• Acido borico • Acide borique • Acido bórico • Borsäure

H_3BO_3
Molecular Weight: 61,83
CAS: 10043-35-3
EEC-N: 233-139-2



Danger

H360FD-HA26
P201-P202-P280-P308+P313-P405-P501a

Boric acid > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description White crystalline powder Sulphate ≤100 ppm Insoluble in methanol ≤50 ppm Organic substances Conform
Identification Positive Heavy metals (Pb) ≤10 ppm Nonvolatile with methanol ≤500 ppm pH solution 3.3% 3.8 ÷ 4.8
Chloride ≤10 ppm Ca ≤50 ppm Appearance of solution Conform Loss on drying ≤0.5 %
Phosphate ≤10 ppm Fe ≤10 ppm Alcohol solubility Conform Assay (acidimetric) 99.5 ÷ 100.5 % s.s.

Code	Size	Packaging	Notes
402763	100 g	Plastic bottle	
402766	500 g	Plastic bottle	
402767	1 kg	Plastic bottle	
402765	10 kg	Plastic tank	
402762	25 kg	Plastic bucket	
402764	50 kg	Fibre drum	

Boric acid > ERBApharm - According to pharmacopoeia: NF

ERBApharm

Description White crystalline powder pH (sol. 3.3%) 3.8 ÷ 4.8 Fe ≤ 1 ppm Residual solvents (Current ICH) Conform
Identification Positive Organic substances Conform Ph.Eur. Heavy metals (Pb) ≤ 15 ppm
Appearance of solution Conform Ph.Eur. Loss on drying ≤ 0.5 % Assay (acidimetric) 99.5 ÷ 100.5 % s.s.
Alcohol solubility Conform Ph.Eur. Sulphate ≤ 450 ppm Origin (BSE/TSE) Synthesis

Code	Size	Packaging	Notes
302185	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Boric acid > ERBApharm - According to pharmacopeia: Ph.Eur.-FU-Ph.Franc.-DAB-USP

ERBApharm

Description	White crystalline powder	Organic substances.....	Conform Ph.Eur.	Fe	≤10 ppm	Residual solvents (Current ICH).....	Conform
Identification	Positive	pH (sol. 3.3%)	3.8 ÷ 4.8	Heavy metals (Pb).....	≤15 ppm		
Appearance of solution	Conform Ph.Eur.	Loss (silica gel)	≤0.5 %	Assay (acidimetric)	99.5 ÷ 100.5 % s.s.		
Alcohol solubility	Conform Ph.Eur.	Sulphate	≤450 ppm	Origin (BSE/TSE).....	Synthesis		

Code	Size	Packaging	Notes
302177	1 kg	Plastic bottle	
302179	5 kg	Plastic tank	
302178	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Boric acid 4%

• Acido borico 4% • Acide borique 4% • Acido bórico 4% • Borsäure 4%

H ₃ BO ₃	HEU210
Molecular Weight: 61,83	
CAS: 10043-35-3	

Boric acid 4% > RS - For agroalimentary analysis

RS

Description

Clear colourless liquid	Assay	3.975 ÷ 4.025 %
-------------------------	-------------	-----------------

Code	Size	Packaging	Notes
502002	5 l	Plastic tank	

According to NF V04-387: H3BO3: 40 g/L water QSP 1 L



Boric acid 4% with indicator

• Acido borico 4% con indicatore • Acide borique 4% avec indicateur • Acido bórico 4% con indicador • Borsäure 4% mit Indikator

H ₃ BO ₃	HEU210
Molecular Weight: 61,83	
CAS: 10043-35-3	

Boric acid 4% with indicator > RS - For agroalimentary analysis

RS

Description

Clear mauve liquid	Assay	3.975 ÷ 4.025 %
--------------------	-------------	-----------------

Code	Size	Packaging	Notes
502601	5 l	Plastic tank	

According to NF V04-211: H3BO3: 40 g/L water QSP 1L. Mixed indicator (Methyl red+Bromocresol green): 10 ml



Boric acid 3%

• Acido borico 3% • Acide borique 3% • Acido bórico 3% • Borsäure 3%

H ₃ BO ₃	HEU210
Molecular Weight: 61,83	
CAS: 10043-35-3	

Boric acid 3% > RPE - For analysis

RPE

Boric acid content

2.9 - 3.1 %

Code	Size	Packaging	Notes
PS0563/21	2.5 l	Glass bottle	

**Boric acid 1% with indicator**

• Acido borico 1% con indicatore • Acide borique 1% avec indicateur • Acido bórico 1% con indicador • Borsäure 1%

H₃BO₃

HEU210

Molecular Weight: 61,83

CAS: 10043-35-3

Boric acid 1% with indicator > RS - For agroalimentary analysis

RS

Description Clear grey/green liquid Assay 0.993 ÷ 1.007 %

Code	Size	Packaging	Notes
502611	5 l	Plastic tank	
502612	10 l	Plastic tank	

According to NF V04-211: H3BO3: 10 g/L water QSP 1L. Mixed indicator (Methyl red+Bromocresol green): 10 ml**Boric acid 20g/l**

• Acido borico 20g/l • Acide borique 20g/l • Acido bórico 20g/l • Borsäure 20 g/l

H₃BO₃

HEU210

Molecular Weight: 61,83

CAS: 10043-35-3

Boric acid 20g/l > RS - For analysis

RS

Concentration 19 - 21 g/l

Code	Size	Packaging	Notes
PS0703/22	5 l	Plastic tank	

**Boric acid 20 g/l with indicator**

• Acido borico 20 g/l con indicatore • Acide borique 20 g/l avec indicateur • Acido bórico 20 g/l con indicador • Borsäure 20 g/l mit Indikator

H₃BO₃

HEU210

Molecular Weight: 61,83

CAS: 10043-35-3

Boric acid 20 g/l with indicator > RS - For nitrogen detection according to Kjeldahl

RS

Refractive index at 20°C 1.331 - 1.335 Density d20/4 1.003 - 1.007

Code	Size	Packaging	Notes
PS0562/22	5 l	Plastic tank	

Composition: Boric acid 20g, Red methyl solution 0.5 g/l: 10ml, Methylene blue solution 1.5 g/l: 2ml, water: QSP 1l according to ISO 5663-1984**Boric buffer solution**

• Tampono borico soluzione • Solution tampon borique • Tampón bórico solución • Boric Pufferlösung

**Warning**

H315-H319

P264-P280a-P305+P351+P338-P332+P313-

P362+P364-P337+P313

Boric buffer solution > RS - For analysis

RS

Temperature of measurement 19 - 21 °C pH 9.9 - 10.9 unite pH

Code	Size	Packaging	Notes
PS0226/41	10 l	Plastic tank	

Composition: boric acid 33g/l, potassium chloride 39.7g/l, sodium hydroxide 18.75g/l

2-Bornanone ▶ Camphor natural



Boron standard solution

• Boro standard soluzione • Bore standard solution • Boro, solución patrón • Bor Standardlösung

HEU210

Boron standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505322	100 ml	Plastic bottle	conc. 10 ppm Matrix: Water
505325	100 ml	Plastic bottle	conc. 100 ppm Matrix: Water
505323	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Boron standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503441	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503443	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503445	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water
503447	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Boron standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E497465	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Water
E497461	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Boron standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
429641		Plastic ampoule	conc. 1.000 ppm Matrix: Water - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Brilliant Blue R ▶ Coomassie brilliant blue R 250



Brillant cresyl blue

• Blu cresile brillante • Bleu de crésyl brillant • Azul de cresol brillante • Brillantes Kresylblau

$C_{17}H_{21}N_4O \cdot 0.5 ZnCl_4$
Molecular Weight: 400,97
CAS: 81029-05-2
EEC-N: 279-675-0

Brillant cresyl blue > RS - For microscopy

RS

Description Polvere verde-bluastro scura Identification Positive E (1%/1cm) a 622 nm (in ETOH 50%) 1500 ÷ 1700

Code	Size	Packaging	Notes
428811	10 g	Glass bottle	
428812	25 g	Glass bottle	

Dye for cytology and hematology

**Brilliant green**

• Verde brillante • Vert brillant • Verde brillante • Brillantgrün

Synonym:

- Basic Green 1
- Diamond green

$C_{27}H_{34}N_2O_4S$
 Molecular Weight: 482,64
 CAS: 633-03-4
 EEC-N: 211-190-1

**Warning**

H302
 P264-P270-P301+P312a-P330-P501a

Brilliant green > RPE - For analysis - C.I. 42040**RPE**

Description Green crystalline powder Identification Positive Loss on drying ≤ 10 % Colour change yellow green

Code	Size	Packaging	Notes
491152	25 g	Glass bottle	

Dye for microscopy (bacteriology-Botanical-histology). Indicator acid - base (pH 0.1 ÷ 2.6)**Brix Standards**

• Brix Standards • Etalons en degré Brix • Brix patrones • Hengste im Brix-Grad

Brix Standards > RS - For calibration**RS**

Code	Size	Packaging	Notes
540201	15 ml	Ampoule	Sucrose Stabilised 0%, Nominal Refractive Index @ 20°C: 1.332986
540202	15 ml	Ampoule	Sucrose Stabilised 5%, Nominal Refractive Index @ 20°C: 1.340264
540203	15 ml	Ampoule	Sucrose Stabilised 7%, Nominal Refractive Index @ 20°C: 1.343253
540204	15 ml	Ampoule	Sucrose Stabilised 10%, Nominal Refractive Index @ 20°C: 1.347824
540205	15 ml	Ampoule	Sucrose Stabilised 11.5%, Nominal Refractive Index @ 20°C: 1.350149
540206	15 ml	Ampoule	Sucrose Stabilised 12%, Nominal Refractive Index @ 20°C: 1.350930
540207	15 ml	Ampoule	Sucrose Stabilised 15%, Nominal Refractive Index @ 20°C: 1.355679
540208	15 ml	Ampoule	Sucrose Stabilised 20%, Nominal Refractive Index @ 20°C: 1.363842
540209	15 ml	Ampoule	Sucrose Stabilised 25%, Nominal Refractive Index @ 20°C: 1.372328
540210	15 ml	Ampoule	Sucrose Stabilised 30%, Nominal Refractive Index @ 20°C: 1.381149
540220	15 ml	Ampoule	Sucrose Stabilised 35%, Nominal Refractive Index @ 20°C: 1.390322
540221	15 ml	Ampoule	Sucrose Stabilised 40%, Nominal Refractive Index @ 20°C: 1.39986
540222	15 ml	Ampoule	Sucrose Stabilised 45%, Nominal Refractive Index @ 20°C: 1.409777
540223	15 ml	Ampoule	Sucrose Stabilised 50%, Nominal Refractive Index @ 20°C: 1.420087
540224	15 ml	Ampoule	Sucrose Stabilised 60%, Nominal Refractive Index @ 20°C: 1.441928
540225	15 ml	Ampoule	Sucrose Stabilised 67.5%, Nominal Refractive Index @ 20°C: 1.459290

Store between 2 - 8 °C



Bromate standard solution

• Bromati standard soluzione • Bromate standard solution • Bromato, solución patrón • Bromat-Standardlösung



Danger

H350-HA26

P201-P202-P280-P308+P313-P405-P501a

Bromate standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503171	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503173	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Bromide - bromate 0.0167 mol/l

• Bromuri - bromati 0.0167 mol/l • Bromure - bromate 0.0167 mol/l • Bromuro - bromato 0.0167 mol/l • Bromidbromat 0.0167 mol/l



Danger

H350-HA26

P201-P202-P280-P308+P313-P405-P501a

Bromide - bromate 0.0167 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613001000	1 l	Plastic bottle	Ref Ph.Eur 3001000



Bromide standard solution

• Bromuri standard soluzione • Bromure standard solution • Bromuro, solución patrón • Bromid-Standardlösung

Bromide standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503211	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503213	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Bromine solution

• Bromo soluzione • Brome solution • Bromo, solución patrón • Brome lösung

Br₂
Molecular Weight: 159,82
CAS: 7726-95-6

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group I



Danger

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Bromine solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611012401	100 ml	Glass bottle	Ref Ph.Eur 1012401

Bromine solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000141	100 ml	Glass bottle	Brome TS

**Bromine water**

• Acqua di bromo • Eau de brome • Agua de bromo • Bromwasser

Br₂

Molecular Weight: 159,82

CAS: 7726-95-6

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group I

**Danger**

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Bromine water > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611012409	50 ml	Glass bottle	Ref Ph.Eur 1012402
611012402	100 ml	Glass bottle	Ref Ph.Eur 1012402

Storage: protected from light**Bromocresol green**

• Verde bromocresolo • Vert de bromocrésol • Verde de bromocresol • Bromkresolgrün

C₂₁H₁₄Br₄O₅S

Molecular Weight: 698,05

CAS: 76-60-8

EEC-N: 200-972-8

Bromocresol green > RPE - For analysis - ACS**RPE**

Description Tan powder Appearance of solution Conform pH range 3.8 ÷ 5.4
 Identification Positive Colour change yellow-blue

Code	Size	Packaging	Notes
491207	1 g	Glass bottle	
491208	25 g	Glass bottle	

Clark indicator series. Complexometric indicator. Dye for microscopy (botanical-histology)**Bromocresol green 0.04% hydroalcoholic solution**

• Verde bromocresolo soluzione 0.04% idroalcolica • Vert de bromocrésol 0.04% solution hydroalcoolique
 • Verde de bromocresol 0.04% solución hidroalcohólica • Bromkresolgrün 0.04% ige hydroalkoholische Lösung

C₂₁H₁₄Br₄O₅S

Molecular Weight: 698,05

CAS: 76-60-8

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Bromocresol green 0.04% hydroalcoholic solution > RPE - For analysis**RPE**

Description Clear green liquid Identification Positive Sensitivity(pH 4.0-5.4) Conform Colour change yellow blue

Code	Size	Packaging	Notes
E491255	250 ml	Glass bottle	

Clark indicator series. Acid-base indicator (pH 3.8 ÷ 5.4)**Bromocresol green solution**

• Verde bromocresolo soluzione • Vert de bromocrésol solution • Verde de bromocresol solución • Bromkresolgrünlösung

C₂₁H₁₄Br₄O₅S

Molecular Weight: 698,05

CAS: 76-60-8

Bromocresol green solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611012601	100 ml	Plastic bottle	Ref Ph.Eur 1012601 / Colour change: pH 3.6 (yellow) to pH 5.2 (blue)

Bromocresol green solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000101	100 ml	Plastic bottle	Bromocresol green TS



Bromocresol green - Methyl red solution

- Verde bromocresolo - Rosso metile soluzione • Vert de bromocrésol - Rouge de méthyle solution • Verde de bromocresol - Rojo de metilo solución
- Bromkresolgrün - Methylrotlösung

Classification transport

ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger

H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Bromocresol green - Methyl red solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611012602	100 ml	Plastic bottle	Ref Ph.Eur 1012602



Bromocresol purple

- Porpora bromocresolo • Pourpre de bromocrésol • Púrpura de bromocresol • Bromkresolpurpur

Synonym:
 5,5'-Dibromo-o-cresolsulfonphthalein

$C_{21}H_{16}Br_2O_5S$
 Molecular Weight: 540,24
 CAS: 115-40-2
 EEC-N: 204-087-8



Warning

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Bromocresol purple > RPE - For analysis

RPE

Description Pink powder Identification Positive Colour change Purple - yellow pH range 5.2 ÷ 6.8

Code	Size	Packaging	Notes
470038	5 g	Glass bottle	
470039	25 g	Glass bottle	

Clark indicator series. Acid-base indicator (pH 5.2 ÷ 6.8) Dye for microscopy (histology)



Bromocresol purple solution 0.4% in ethanol

- Porpora bromocresolo soluzione 0.4% in etanolo • Pourpre de bromocrésol solution 0.4% dans l'éthanol
- Púrpura de bromocresol solución 0.4% en alcohol etílico • Bromkresol-Purpur-Lösung 0.4% in Ethanol

Synonym:
 5,5'-Dibromo-o-cresolsulfonphthalein

$C_{21}H_{16}Br_2O_5S$
 Molecular Weight: 540,24
 CAS: 115-40-2



Warning

H319
 P264-P280i-P305+P351+P338-P337+P313

Bromocresol purple solution 0.4% in ethanol > RPE - For analysis

RPE

Description Red clear liquid Identification Positive pH range 5.2 - 6.8

Code	Size	Packaging	Notes
E470045	250 ml	Glass bottle	

Clark indicator series. Acid-base indicator (pH 5.2 ÷ 6.8) Dye for microscopy (histology)

**Bromocresol purple solution**

• Porpora bromocresolo soluzione • Pourpre de bromocrésol solution • Púrpura de bromocresol solución • Bromkresol-Purpur-Lösung

Classification transportONU: 1993
Transport Hazard class: 3
Packing group III**Warning**H226-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313**Bromocresol purple solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1****RS**

Code	Size	Packaging	Notes
611012701	100 ml	Plastic bottle	Ref Ph.Eur 1012701

Colour change: pH 5.2 (yellow) to pH 6.8 (bluish-violet)**alpha-Bromonaphthalene**

• alfa-Bromonaftalene • alpha-Bromonaphtalène • alpha-Bromonaftaleno • alpha-Bromnaphthalin

C₁₀H₇Br
Molecular Weight: 207,07
CAS: 90-11-9
EEC-N: 201-965-2**Warning**H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a**alpha-Bromonaphthalene > RPE - For analysis****RPE**Description Yellow or brown clear liquid Density at 20° C 1.479 ÷ 1.485 Melting point 2.0 ÷ 4.0 ° C
Identification Positive Refractive index at 20°C 1.6562 ÷ 1.6602 Assay (GLC) ≥99 %

Code	Size	Packaging	Notes
430652	500 ml	Glass bottle	

**Bromophenol blue**

• Blu bromofenolo • Bleu de bromophénol • Azul de bromofenol • Bromphenolblau

Synonym:

3',3'',5',5''-Tetrabromophenolsulfonephthalein

C₁₉H₁₀Br₄O₅S
Molecular Weight: 669,96
CAS: 115-39-9
EEC-N: 204-086-2**Bromophenol blue > RPE - For analysis - ACS****RPE**Description Pink powder Appearance of solution Conform pH range 3.0 - 4.6
Identification Positive Colour change yellow blue

Code	Size	Packaging	Notes
428658	5 g	Glass bottle	
428659	25 g	Glass bottle	
428653	50 g	Glass bottle	
428655	500 g	Plastic bottle	

Clark indicator series. Dye for microscopy (histology)**Bromophenol blue solution 0.4% in ethanol**• Blu bromofenolo soluzione 0.4% in alcole etilico • Bleu de bromophénol solution 0.4% dans l'éthanol • Azul de bromofenol solución 0.4% en alcohol etilico
• Bromphenolblau Lösung 0.4% in EthanolC₁₉H₁₀Br₄O₅S
Molecular Weight: 669,96
CAS: 115-39-9**Warning**H319
P264-P280i-P305+P351+P338-P337+P313**Bromophenol blue solution 0.4% in ethanol > RPE - For analysis****RPE**

Description Red liquid Identification Positive Colour change yellow blue pH range 3.0 - 4.6

Code	Size	Packaging	Notes
E428665	250 ml	Glass bottle	

Clark indicator series. Acid-base indicator (pH 3.0 to 4.6) indicator absorbance



Bromophenol blue solution 0.02%

• Blu bromofenolo soluzione 0.02% • Bleu de bromophénoł solution 0.02% • Azul de bromofenol solución 0.02% • Bromphenolblau 0.02%

$C_{19}H_{10}Br_4O_5S$
Molecular Weight: 669,96
CAS: 115-39-9

Bromophenol blue solution 0.02% > RPE - For analysis

RPE

Description Clear purple liquid Identification Positive

Code	Size	Packaging	Notes
428691	100 ml	Glass bottle	

Dye for microscopy



Bromophenol blue solution

• Blu bromofenolo soluzione • Bleu de bromophénoł solution • Azul de bromofenol solución • Bromphenolblau-Lösung

$C_{19}H_{10}Br_4O_5S$
Molecular Weight: 669,96
CAS: 115-39-9

Classification transport
ONU: 2733
Transport Hazard class: 3
Packing group II



Danger
H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Bromophenol blue solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611012801	100 ml	Plastic bottle	Ref Ph.Eur 1012801/Color change: pH 2.8 (yellow) to pH 4.4 (blue-violet)
611012802	100 ml	Plastic bottle	Bromophenol blue solution R1 Ref Ph.Eur 1012802
611012803	100 ml	Plastic bottle	Bromophenol blue solution R2 Ref Ph.Eur 1012803



Bromophenol blue indicator

• Blu bromofenolo indicatore • Indicateur bleu de bromophénoł • Indicador azul de bromofenol • Bromphenolblau-Indikator

Bromophenol blue indicator > RS - For analysis

RS

Temperature of measurement 15 - 25 °C pH..... 2.1 - 2.3 unite pH

Code	Size	Packaging	Notes
PS0269/15	1 l	Plastic bottle	

Composition: 97,3% NaOH 0.1N 2,7% H2SO4 96%, 0.8% bromophenol blue



Bromophenol blue TAC indicator

• Blu bromofenolo indicatore TAC • Indicateur TAC au bleu de bromophénoł • TAC indicador azul de bromofenol • Bromphenolblau-TAC-Indikator

Bromophenol blue TAC indicator > RS - For analysis

RS

Temperature of measurement 15 - 25 °C pH..... 2 - 2.4 unite pH Colour coca-cola Hazen

Code	Size	Packaging	Notes
PS0189/15	1 l	Plastic bottle	
PS0189/16	1 l	Glass bottle	

**Bromothymol blue**

• Blu bromotimolo • Bleu de bromothymol • Azul de bromotimol • Bromthymolblau

Synonym:

3',3'-Dibromothymolsulfonphthalein

$C_{27}H_{28}Br_2O_5S$
 Molecular Weight: 624,39
 CAS: 76-59-5
 EEC-N: 200-971-2

**Warning**

H302-H312-H332
 P261-P264-P271-P280h-P301+P312a-P304+P340

Bromothymol blue > RPE - For analysis - ACS**RPE**

Description Brown powder Appearance of solution Conform pH range 6.0 - 7.6
 Identification Positive Colour change yellow-blue

Code	Size	Packaging	Notes
428708	5 g	Glass bottle	
428702	25 g	Glass bottle	
428703	50 g	Glass bottle	

Clark indicator series**Bromothymol blue 0.4% in ethanol**

• Blu bromotimolo soluzione 0.4% in alcolico etilico • Bleu de bromothymol solution 0.4% dans l'éthanol • Azul de bromotimol solución 0.4% en alcohol etilico
 • Bromthymolblau 0.4% in Ethanol

$C_{27}H_{28}Br_2O_5S$
 Molecular Weight: 624,39
 CAS: 76-59-5

**Warning**

H319
 P264-P280i-P305+P351+P338-P337+P313

Bromothymol blue 0.4% in ethanol > RPE - For analysis**RPE**

Description Dark green liquid Identification Positive Colour change yellow blue pH (Hydralcoholic sol.) Conform 6.0 7.6

Code	Size	Packaging	Notes
E428715	250 ml	Glass bottle	

Clark indicator series**Bromothymol blue 0.02%**

• Blu bromotimolo 0.02% • Bleu de bromothymol solution 0.02% • Azul de bromotimol 0.02%
 • Bromthymolblau 0.02%

Synonym:

3',3'-Dibromothymolsulfonphthalein

$C_{27}H_{28}Br_2O_5S$
 Molecular Weight: 624,39
 CAS: 76-59-5

Bromothymol blue 0.02% > RPE - For analysis**RPE**

Description Dark green liquid Identification Positive pH at 20° C 6.7 ÷ 6.9

Code	Size	Packaging	Notes
428731	100 ml	Glass bottle	

Dye for microscopy**Bromothymol blue solution**

• Blu bromotimolo soluzione • Bleu de bromothymol solution • Azul de bromotimol solución
 • Bromthymolblau-Lösung

Synonym:

3',3'-Dibromothymolsulfonphthalein

$C_{27}H_{28}Br_2O_5S$
 Molecular Weight: 624,39
 CAS: 76-59-5

Classification transport

ONU: 1170
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Bromothymol blue solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611012901	100 ml	Plastic bottle	Bromothymol blue solution R1 Ref Ph.Eur 1012901/ Color change: pH 5.8 (yellow) to pH 7.4 (blue)
611012903	100 ml	Plastic bottle	Bromothymol blue solution R3 Ref Ph.Eur 1012903

BSA ► N,O-Bis(trimethylsilyl)acetamide

BSTFA ► N,O-Bis(trimethylsilyl)-trifluoroacetamide



Buffer acetate pH 4.5

• Tampone acetato pH 4.5 • Tampon acétate pH 4.5 • Tampón acetato pH 4,5 • Puffer acetate pH 4.5

Buffer acetate pH 4.5 > RS - For analysis

RS

Temperature of measurement 19 - 21 °C pH.....4.3 - 4.7 unite pH

Code	Size	Packaging	Notes
PS0784/95	5 l	Kubidos	

Composition: sodium acetate anhydrous 164g/l, acetic acid 168g/l, deionized water 763g/l

Buffer pH 1

• Tampone pH 1 • Tampon pH 1 • Tampón pH 1 • Puffer pH 1

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group II

Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Buffer pH 1 > RPE - For analysis

RPE

pH.....0.98 - 1.02 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486211	500 ml	Plastic bottle	

Composition: Glycolle/Sodium Chloride/Hydrochloric acid. Standardized against NIST reference materials

Buffer pH 1 > RPE - NORMEX - For analysis

RPE

Code	Size	Packaging	Notes
486221		Plastic ampoule	To dilute to 500 ml

Composition: Glycolle/Sodium Chloride/Hydrochloric acid. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Buffer pH 1.68

• Tampone pH 1.68 • Tampon pH 1.68 • Tampón pH 1.68 • Puffer pH 1.68

HEU210

Buffer pH 1.68 > RS - For analysis according to Ph. Eur. Chap. 2.2.3

RS

Code	Size	Packaging	Notes
612203168	500 ml	Plastic bottle	Certified Reference Material

Composition: Potassium tetraoxalate 0.05 M

Buffer pH 1.68 > RPE - For analysis

RPE

Clear, colourless solution Conform pH.....1.66 - 1.70 unite pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486751	500 ml	Plastic bottle	

Composition: Potassium oxalate tetra-acid. Standardized against NIST reference materials



Buffer pH 2

• Tampono pH 2 • Tampon pH 2 • Tampón pH 2 • Puffer pH 2

Buffer pH 2 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
61400200	1 l	Plastic bottle	Ref Ph.Eur 4000200

Buffer pH 2 > RPE - For analysis

RPE

pH..... 1.98 - 2.02 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486231	500 ml	Plastic bottle	

Composition: Citric acid/Hydrochloric acid/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 2 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 1.95 ÷ 2.05

Code	Size	Packaging	Notes
486241		Plastic ampoule	To dilute to 500 ml

Composition: Citric acid/Hydrochloric acid/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 3

• Tampono pH 3 • Tampon pH 3 • Tampón pH 3 • Puffer pH 3



Warning

H290-H319
P234-P264-P280i-P305+P351+P338-
P337+P313-P406

Buffer pH 3 > RPE - For analysis

RPE

pH..... 2.98 - 3.02 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486251	500 ml	Plastic bottle	
486252	1 l	Plastic bottle	

Composition: Citric acid/Hydrochloric acid/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 3 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 2.95 ÷ 3.05

Code	Size	Packaging	Notes
486261		Plastic ampoule	To dilute to 500 ml

Composition: Citric acid/Hydrochloric acid/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 3.5

• Tampono pH 3.5 • Tampon pH 3.5 • Tampón pH 3.5 • Puffer pH 3.5

Classification transport

ONU: 1789
Transport Hazard class: 8
Packing group II



Warning

H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Buffer pH 3.5 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614000601	250 ml	Plastic bottle	Ref Ph.Eur 4000600
614000600	1 l	Plastic bottle	Ref Ph.Eur 4000600



Buffer pH 3.56

• Tampono pH 3.56 • Tampon pH 3.56 • Tampón pH 3.56 • Puffer pH 3.56

Buffer pH 3.56 > RPE - For analysis

RPE

pH..... 3.54 - 3.58 unità pH Temperature of measurement..... 19 - 21 °C

Code	Size	Packaging	Notes
486741	500 ml	Plastic bottle	

Composition: Potassium tartrate acide. Standardized against NIST reference materials



Buffer pH 3.7

• Tampono pH 3.7 • Tampon pH 3.7 • Tampón pH 3.7 • Puffer pH 3.7

Buffer pH 3.7 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614000900	1 l	Plastic bottle	Ref Ph.Eur 4000900



Buffer pH 4

• Tampono pH 4 • Tampon pH 4 • Tampón pH 4 • Puffer pH 4

Buffer pH 4 > RS - For analysis according to Ph. Eur. Chap. 2.2.3

RS

Code	Size	Packaging	Notes
612203401	500 ml	Plastic bottle	pH 4.01 at 25°C - Certified Reference Material

Composition: Potassium hydrogen phthalate 0.05 M

Buffer pH 4 > RPE - For analysis

RPE

pH..... 3.98 - 4.02 unità pH Temperature of measurement..... 19 - 21 °C

Code	Size	Packaging	Notes
486271	500 ml	Plastic bottle	
486273	1 l	Plastic bottle	
486274	5 l	Kubidos	
486276	10 l	Kubidos	

Composition: Citric acid/Hydrochloric acid/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 4 > RPE - For analysis - Colored solution

RPE

pH..... 3.98 - 4.02 unità pH Temperature of measurement..... 19 - 21 °C

Code	Size	Packaging	Notes
486761	500 ml	Plastic bottle	Color: Red
486762	1 l	Plastic bottle	Color: Red

Composition: Potassium phthalate acid. Standardized against NIST reference materials

Buffer pH 4 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 3.95 ÷ 4.05

Code	Size	Packaging	Notes
486281		Plastic ampoule	To dilute to 500 ml

Composition: Citric acid/Hydrochloric acid/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Buffer pH 4 > RPE - NORMEX - For analysis - Colored solution

RPE

Description Red clear liquid Identification Positive pH at 20° C 3.95 ÷ 4.05

Code	Size	Packaging	Notes
486291		Plastic ampoule	Color: red - To dilute to 500 mL

Composition: Potassium phthalate acid. Traceable to NIST. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 4.5

• Tampone pH 4.5 • Tampon pH 4.5 • Tampón pH 4.5 • Puffer pH 4.5

Buffer pH 4.5 > RS - For HPLC

RS

pH 4.45 - 4.55 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
524971	10 l	Plastic tank	



Buffer pH 4.62

• Tampone pH 4.62 • Tampon pH 4.62 • Tampón pH 4.62 • Puffer pH 4.62

HEU210

Buffer pH 4.62 > RPE - For analysis

RPE

pH 4.60 - 4.64 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486841	500 ml	Plastic bottle	

Composition: Sodium acetate / Acetic acid. Standardized against NIST reference materials



Buffer pH 5

• Tampone pH 5 • Tampon pH 5 • Tampón pH 5 • Puffer pH 5



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Buffer pH 5 > RPE - For analysis

RPE

pH 4.98 - 5.02 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486311	500 ml	Plastic bottle	

Composition: Citric acid/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 5 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 4.95 ÷ 5.05

Code	Size	Packaging	Notes
486301		Plastic ampoule	To dilute to 500 ml

Composition: Citric acid/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 5.2

• Tampone pH 5.2 • Tampon pH 5.2 • Tampón pH 5.2 • Puffer pH 5.2

Buffer pH 5.2 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614001700	1 l	Plastic bottle	Ref Ph.Eur 4001700



Buffer pH 6

• Tampone pH 6 • Tampon pH 6 • Tampón pH 6 • Puffer pH 6



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Buffer pH 6 > RPE - For analysis

RPE

pH..... 5.98 - 6.02 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486331	500 ml	Plastic bottle	

Composition: Citric acid/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 6 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 5.95 ÷ 6.05

Code	Size	Packaging	Notes
486321		Plastic ampoule	To dilute to 500 ml

Composition: Citric acid/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 6.8

• Tampone pH 6.8 • Tampon pH 6.8 • Tampón pH 6.8 • Puffer pH 6.8

Buffer pH 6.8 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 6.75 ÷ 6.85

Code	Size	Packaging	Notes
486401		Plastic ampoule	To dilute to 500 ml

Composition: Potassium phosphate monobasic/ Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 6.88

• Tampone pH 6.88 • Tampon pH 6.88 • Tampón pH 6.88 • Puffer pH 6.88

Buffer pH 6.88 > RS - For analysis according to Ph. Eur. Chap. 2.2.3

RS

Code	Size	Packaging	Notes
612203687	500 ml	Plastic bottle	pH 6.87 at 25°C - Certified Reference Material

Composition: Potassium dihydrogen phosphate 0.025 M + disodium hydrogen phosphate 0.025 M

Buffer pH 6.88 > RPE - For analysis

RPE

pH..... 6.86 - 6.90 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486871	500 ml	Plastic bottle	

Composition: Potassium phosphate monobasic / sodium phosphate dibasic. Standardized against NIST reference materials



Buffer pH 7

• Tampone pH 7 • Tampon pH 7 • Tampón pH 7 • Puffer pH 7

Buffer pH 7 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614003500	1 l	Plastic bottle	Ref Ph.Eur 4003500

Buffer pH 7 > RPE - For analysis

RPE

pH..... 6.98 - 7.02 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486451	500 ml	Plastic bottle	
486453	1 l	Plastic bottle	
486454	5 l	Kubidos	
486456	10 l	Kubidos	
486455	25 l	Plastic tank	

Composition: Potassium phosphate monobasic / sodium phosphate dibasic. Standardized against NIST reference materials

Buffer pH 7 > RPE - For analysis - Colored solution

RPE

Appearance Green clear solution pH..... 6.98 - 7.02 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486791	500 ml	Plastic bottle	Color: Green
486792	1 l	Plastic bottle	Color: Green

Composition: Potassium phosphate monobasic/Sodium phosphate dibasic / Color: Green Standardized against NIST reference materials

Buffer pH 7 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 6.95 ÷ 7.05

Code	Size	Packaging	Notes
486421		Plastic ampoule	To dilute to 500 ml

Composition: Potassium phosphate monobasic / sodium phosphate dibasic. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Buffer pH 7 > RPE - NORMEX - For analysis - Colored solution

RPE

Description Yellow clear liquid Identification Positive pH at 20° C 6.95 ÷ 7.05

Code	Size	Packaging	Notes
486431		Plastic ampoule	Color: yellow - To dilute to 500 mL

Composition: Potassium phosphate monobasic / sodium phosphate dibasic. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 7.2

• Tampone pH 7.2 • Tampon pH 7.2 • Tampón pH 7.2 • Puffer pH 7.2

Buffer pH 7.2 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 7.15 ÷ 7.25

Code	Size	Packaging	Notes
486441		Plastic ampoule	To dilute to 500 ml

Composition: Potassium phosphate monobasic / sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 7.20 Weise

• Tampone pH 7.20 secondo Weise • Tampon pH 7.20 selon Weise • Tampón pH 7.20 según Weise • Puffer pH 7.2 Weise

Buffer pH 7.20 Weise > RS - For analysis

RS

Description Clear colourless liquid Identification Conform pH at 20° C 7.2 ± 0.05

Code	Size	Packaging	Notes
486411	500 ml	Plastic bottle	



Buffer pH 7.4

• Tampone pH 7.4 • Tampon pH 7.4 • Tampón pH 7.4 • Puffer pH 7.4

Buffer pH 7.4 > RS - For analysis according to Ph. Eur. Chap. 2.2.3

RS

Code	Size	Packaging	Notes
612203741	500 ml	Plastic bottle	pH 7.41 at 25°C - Certified Reference Material

Composition: Potassium dihydrogen phosphate 0.0087 M + disodium hydrogen phosphate 0.0303 M

Buffer pH 7.4 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614004600	1 l	Plastic bottle	Ref Ph.Eur 4004600

Buffer pH 7.4 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 7.35 ÷ 7.45

Code	Size	Packaging	Notes
486461		Plastic ampoule	To dilute to 500 ml

Composition: Potassium phosphate monobasic / sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 8

• Tampone pH 8 • Tampon pH 8 • Tampón pH 8 • Puffer pH 8



Warning

H290

P234-P390-P406

Buffer pH 8 > RPE - For analysis

RPE

pH 7.98 - 8.02 unità pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486541	500 ml	Plastic bottle	
486542	1 l	Plastic bottle	

Composition: Boric acid/Sodium hydroxide/Hydrochloric acid. Standardized against NIST reference materials

Buffer pH 8 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 7.95 ÷ 8.05

Code	Size	Packaging	Notes
486531		Plastic ampoule	To dilute to 500 ml

Composition: Boric acid/Sodium hydroxide/Hydrochloric acid. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 9

• Tampone pH 9 • Tampon pH 9 • Tampón pH 9 • Puffer pH 9

HEU210

Buffer pH 9 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614007000	1 l	Plastic bottle	Ref Ph.Eur 4000700

Buffer pH 9 > RPE - For analysis

RPE

pH..... 8.98 - 9.02 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486591	500 ml	Plastic bottle	
486593	1 l	Plastic bottle	
486594	5 l	Kubidos	

Composition: Boric acid/Sodium hydroxide/Potassium chloride. Standardized against NIST reference materials

Buffer pH 9 > RPE - For analysis - Colored solution

RPE

pH..... 8.98 - 9.02 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
PS0427/19	500 ml	Plastic bottle	Color: Blue

Composition: Boric acid/Sodium hydroxide/Potassium chloride/Methylene blue. Traceable to NIST

Buffer pH 9 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 8.95 ÷ 9.05

Code	Size	Packaging	Notes
486571		Plastic ampoule	To dilute to 500 ml

Composition: Boric acid/Sodium hydroxide/Potassium chloride. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 9.22

• Tamponne pH 9.22 • Tampon pH 9.22 • Tampón pH 9.22 • Puffer pH 9.22

HEU210

Buffer pH 9.22 > RS - For analysis according to Ph. Eur. Chap. 2.2.3

RS

Code	Size	Packaging	Notes
612203918	500 ml	Plastic bottle	pH 9.18 at 25°C - Certified Reference Material

Composition: Disodium tetraborate 0.01 M

Buffer pH 9.22 > RPE - For analysis

RPE

pH..... 9.20 - 9.24 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486881	500 ml	Plastic bottle	

Composition: Sodium tetraborate. Standardized against NIST reference materials



Buffer pH 10

• Tamponne pH 10 • Tampon pH 10 • Tampón pH 10 • Puffer pH 10



Danger

H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Buffer pH 10 > RS - For analysis according to AFNOR T90-003 normative

RS

pH..... 9 - 11 unite pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
PS0200/15	1 l	Plastic bottle	

Determination of the total concentration of Ca and Mg. Composition: ammonium chloride 64.5 g / l, ammonia 28% 440g / l EDTA-Mg 4.8 g / l deionized water 461.5 g / l

Buffer pH 10 > RPE - For analysis

RPE

Clear, colourless solution Conform pH..... 9.95 - 10.05 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486611	500 ml	Plastic bottle	
486613	1 l	Plastic bottle	
486614	5 l	Kubidos	
486615	10 l	Kubidos	

Composition: Boric acid/Sodium hydroxide/Potassium chloride. Standardized against NIST reference materials

Buffer pH 10 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 9.95 ÷ 10.05

Code	Size	Packaging	Notes
486601		Plastic ampoule	To dilute to 500 ml

Composition: Boric acid/Sodium hydroxide/Potassium chloride. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 10.06

• Tamponne pH 10.06 • Tampon pH 10.06 • Tampón pH 10.06 • Puffer pH 10.06

HEU210

Buffer pH 10.06 > RPE - For analysis - Colored solution

RPE

Appearance Blue clear solution pH..... 10.01 - 10.11 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486811	500 ml	Plastic bottle	Color: Blue
486812	1 l	Plastic bottle	Color: Blue

Composition: Boric acid/Sodium hydroxide/Potassium chloride. Standardized against NIST reference materials

Buffer pH 10.06 > RPE - NORMEX - For analysis - Colored solution

RPE

Description Blue clear liquid Identification Positive pH at 20° C 10.01 ÷ 10.11

Code	Size	Packaging	Notes
486581		Plastic ampoule	Color: blue - To dilute to 500 mL

Composition: Sodium carbonate/Sodium bicarbonate. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 11

• Tamponne pH 11 • Tampon pH 11 • Tampón pH 11 • Puffer pH 11

Buffer pH 11 > RPE - For analysis

RPE

Appearance Clear colourless solution pH..... 10.98 - 11.02 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486771	500 ml	Plastic bottle	
486772	1 l	Plastic bottle	

Composition: Sodium phosphate dibasic / Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 11 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 10.95 ÷ 11.05

Code	Size	Packaging	Notes
486631		Plastic ampoule	To dilute to 500 ml

Composition: Boric acid/Sodium hydroxide/Potassium chloride. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 12

• Tampone pH 12 • Tampon pH 12 • Tampón pH 12 • Puffer pH 12

Buffer pH 12 > RPE - For analysis

RPE

pH..... 11.95 - 12.05 unité pH Temperature of measurement..... 19 - 21 °C

Code	Size	Packaging	Notes
486691	500 ml	Plastic bottle	

Composition: Sodium phosphate/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 12 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 11.95 ÷ 12.05

Code	Size	Packaging	Notes
486621		Plastic ampoule	To dilute to 500 ml

Composition: Sodium phosphate/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Buffer pH 13

• Tampone pH 13 • Tampon pH 13 • Tampón pH 13 • Puffer pH 13

Buffer pH 13 > RPE - For analysis

RPE

Clear, colourless solution Conform pH..... 12.95 - 13.05 unité pH Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
486701	500 ml	Plastic bottle	
486702	1 l	Plastic bottle	

Composition: Potassium Chloride/Sodium hydroxide. Standardized against NIST reference materials

Buffer pH 13 > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive pH at 20° C 12.95 ÷ 13.05

Code	Size	Packaging	Notes
486641		Plastic ampoule	To dilute to 500 ml

Composition: Potassium Chloride/Sodium hydroxide. Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Butanedioic acid ► Succinic acid



1-Butanesulfonic acid sodium salt

• Acido 1-butansolfonico sale sodico • Acide 1-butanesulfonique sel sodique
• Acido 1-butanosulfónico sal sódica • 1-Butansulfonsäure-Natriumsalz

Synonym:

• Sodium 1-butanedisulfonate

CH₃(CH₂)₃SO₃Na
Molecular Weight: 160,17
CAS: 2386-54-1

1-Butanesulfonic acid sodium salt > RS - For ion pair chromatography

RS

Description White powder Assay ≥ 99.0 % At 210 nm ≤ 1.0 AU At 250 nm ≤ 0.04 AU
Water (K.F.) ≤ 1.0 % Absorbance (5.5% in water) At 220 nm ≤ 0.1 AU At 280 nm ≤ 0.04 AU

Code	Size	Packaging	Notes
405631	25 g	Glass bottle	
405632	100 g	Plastic bottle	

	Butanol-1	<i>Synonym:</i> <i>Butyl alcohol</i>
	• 1-Butanolo • Butanol-1 • Butanol-1 • Butanol-1	

CH₃(CH₂)₂CH₂OH
Molecular Weight: 74,12
CAS: 71-36-3
EEC-N: 200-751-6

Classification transport
ONU: 1120
Transport Hazard class: 3
Packing group III



Danger
H226-H302-H315-H318-H335-H336
P210-P280-P303+P361+P353-P304+P340-P310a-
P305+P351+P338-P330-P362+P364-P403+P233

Butanol-1 > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Boiling point.....	117.0 ÷ 118.0 °C	Assay (GLC)	≥99.8 %	at 310 nm	≥98 %
Identification	Positive	Residue on evaporation	≤5 ppm	U.V. Transmittance			
Density at 20° C	0.809 ÷ 0.811	Water (K.F.)	≤0.1 %	at 210 nm	≥10 %		
Refractive index at 20°C	1.3972 ÷ 1.4012	Acidity or alkalinity.....	≤0.0005 meq/g	at 235 nm	≥80 %		

Code	Size	Packaging	Notes
412511000	1 l	Glass bottle	
412512000	2.5 l	Glass bottle	

Filtered through 0.2 µm membrane

Butanol-1 > RS - Anhydrous - For analysis

RS

Refractive index at 20°C	1.397 - 1.401	Non volatile residue	≤ 10 mg/Kg	Free acid (as CH ₃ COOH)	≤ 20 mg/Kg
Water content (K.F.)	≤ 400 mg/Kg	Colour	≤ 10 Hazen	Assay (GC)	≥ 99.5 %

Code	Size	Packaging	Notes
P0171010	200 ml	Bottle with septum	
P0171016	1 l	Glass bottle	

Butanol-1 > RPE - For analysis - ISO

RPE

Description	Clear liquid	Acidity	≤ 0.0008 meq/g	Ready carbonizable substances.....	Conform	Fe	≤ 0.1 ppm
Colour (APHA)	≤10	Alcalinity (NaOH).....	≤ 5 ppm	Al	≤ 0.5 ppm	Mg	≤ 0.1 ppm
Identification (I.R.).....	Conform	Carbonyl Compounds (CO)	≤ 200 ppm	Ba	≤ 0.1 ppm	Mn	≤ 0.02 ppm
Water solubility.....	Conform	Acetone	≤ 0.01 %	Ca	≤ 0.5 ppm	Ni	≤ 0.02 ppm
Density at 20° C	0.808 ÷ 0.810	Isobutanolo	≤ 0.15 %	Cd	≤ 0.05 ppm	Pb	≤ 0.1 ppm
Boiling point.....	116 ÷ 119 ° C	2-Butanolo.....	≤ 0.05 %	Co	≤ 0.02 ppm	Zn	≤ 0.1 ppm
Water (K.F.)	≤ 0.1 %	di-Butiletere	≤ 0.1 %	Cr	≤ 0.02 ppm	Assay (GLC)	≥ 99.5 %
Residue on evaporation	≤ 10 ppm	Aldeide butirrica	≤ 0.02 %	Cu	≤ 0.02 ppm		

Code	Size	Packaging	Notes
414131	1 l	Glass bottle	
414133	2.5 l	Glass bottle	
414132	22 kg	Metal drum	

Butanol-1 > RE - Pure

RE

Description	Clear colourless liquid	Density at 20° C	0.808 ÷ 0.812	Water (K.F.)	≤0.1 %	Acidity	≤ 0.0008 meq/g
Colour	≤ 10 APHA	Refractive index at 20°C.....	1.397 - 1.401	Acidity (butirric acid).....	≤ 50 ppm	Assay (GLC)	≥99 %
Identification	Positive	Boiling point.....	116.8 ÷ 118.3 °C	Residue on evaporation	≤ 50 ppm		

Code	Size	Packaging	Notes
308251	1 l	Glass bottle	
528300	5 l	Plastic tank	
308257	22 kg	Metal drum	
528301	25 l	Metal drum	
308259	160 kg	Metal drum	



Butanol-2

• 2-Butanolo • Butanol-2 • Butan-2-olo • Butanol-2

Synonym:
sec-Butyl alcohol

CH₃CHOHCH₂CH₃
Molecular Weight: 74,12
CAS: 78-92-2
EEC-N: 201-158-5

Classification transport
ONU: 1120
Transport Hazard class: 3
Packing group III



Warning
H226-H319-H335-H336
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

Butanol-2 > RPE - For analysis - Reag. Ph. Eur.

RPE

Description Clear liquid
Colour (APHA) ≤10
Identification Positive
Water solubility Conform

Density at 20 °C 0.801 ÷ 0.811
Refractive index at 20°C. 1.3944 ÷ 1.3984
Boiling point 99 - 100 °C
Water (K.F) ≤0.2 %

Residue on evaporation ≤20 ppm
Acidity (butiric acid) ≤20 ppm
Alcalinity (NaOH) ≤10 ppm
Indole base ≤0.1 ppm

Assay (GLC) ≥99.0 %

Code	Size	Packaging	Notes
414264	1 l	Glass bottle	
414266	15 kg	Metal drum	
414261	160 kg	Metal drum	

Butanol-2 > RE - Pure - For synthesis

RE

Refractive index at 20°C 1.395 - 1.399
Water content (K.F) ≤ 2000 mg/Kg

Non volatile residue ≤ 50 mg/Kg
Colour ≤ 10 Hazen

Assay (GC) ≥ 99 %
Free acid (as CH₃COOH) ≤ 20 mg/Kg

Code	Size	Packaging	Notes
P0180241	10 l	Plastic tank	



tert-Butanol

• Alcole ter-butílico • tert-Butanol • Alcohol ter-butílico • tert-Butanol

Synonym:
• 2-Methyl-2-propanol
• tert-Butyl alcohol

(CH₃)₃COH
Molecular Weight: 74,12
CAS: 75-65-0
EEC-N: 200-889-7

Classification transport
ONU: 1120
Transport Hazard class: 3
Packing group II



Danger
H225-H332-H319-H335
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

tert-Butanol > RS - Anhydrous - For analysis

RS

Refractive index at 25°C 1.383 - 1.387
Colour ≤ 10 Hazen

Water content (K.F) ≤ 200 mg/Kg
Non volatile residue ≤ 10 mg/Kg

Assay (GC) ≥ 99.7 %
2- Propanol ≤ 0.30 %

Code	Size	Packaging	Notes
P0191016	1 l	Glass bottle	

tert-Butanol > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear colourless liq. or solid
Colour (APHA) ≤10
Identification (I.R.) Conform

Water solubility Conform
Alcohol miscibility Conform
Boiling point 81.7 ÷ 82.7 °C

Melting point 25 ÷ 26 °C
Water (K.F) ≤0.1 %
Residue on evaporation ≤30 ppm

Acidity ≤ 0.001 meq/g
Assay (GLC) ≥99.5 %
Carbonyl compounds (as HCHO) .. ≤ 0.01 %

Code	Size	Packaging	Notes
414343	500 ml	Plastic bottle	
414341	1 l	Glass bottle	
414346	2.5 l	Plastic bottle	
414342	25 l	Plastic tank	

tert-Butanol > RE - Pure

RE

Refractive index at 25°C 1.383 - 1.387
Colour ≤ 10 Hazen

Water content (K.F) ≤ 800 mg/Kg
Non volatile residue ≤ 20 mg/Kg

Assay (GC) ≥ 99.5 %

Code	Size	Packaging	Notes
P0190222	5 l	Plastic tank	
P0190268	200 l	Metal drum	

2-Butanone ▶ Ethyl methyl ketone



2-Butoxy ethanol

• 2-Butossietanolo • 2-Butoxyéthanol • 2-Butoxietanol • 2-Butoxyethanol

Synonym:

- Ethylene glycol butyl ether
- Butyl glycol

$\text{CH}_3(\text{CH}_2)_3\text{OCH}_2\text{CH}_2\text{OH}$
Molecular Weight: 118,18
CAS: 111-76-2
EEC-N: 203-905-0



Warning

H302-H312-H332-H315-H319
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P337+P313

2-Butoxy ethanol > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 0.897 ÷ 0.905 Boiling point 167 ÷ 172 ° C Residue on evaporation ≤50 ppm
Identification Positive Refractive index at 20°C. 1.4167 ÷ 1.4207 Water (K.F.) ≤ 0.1 % Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
453941	1 l	Glass bottle	



2-(2-Butoxyethoxy)ethanol

• 2-(2-Butossietossi)etanolo • 2-(2-Butoxyéthoxy)éthanol • 2-(2-Butoxietoxi) etanol
• 2-(2-Butoxyethoxy)ethanol

Synonym:

- Diethylene glycol butyl ether
- BDG

$\text{C}_8\text{H}_{18}\text{O}_3$
Molecular Weight: 162,23
CAS: 112-34-5
EEC-N: 203-961-6



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

2-(2-Butoxyethoxy)ethanol > RPE - For analysis

RPE

Description Clear colourless liquid Refractive index at 20°C. 1.4296 ÷ 1.4346 Alkalinity (NH3) ≤0.85 ppm Residue on ignition ≤20 ppm
Identification Positive Boiling point 230.0 ÷ 232.0 °C Carbonyl Compounds (CO) ≤500 ppm Fe ≤2 ppm
Water miscibility Conform Water (K.F.) ≤0.2 % Heavy metals (Pb) ≤2 ppm Assay (GLC) ≥99 %
Density at 20° C 0.951 ÷ 0.959 Acidity (acetic acid) ≤300 ppm Peroxides (H2O2) ≤250 ppm

Code	Size	Packaging	Notes
453881	1 l	Glass bottle	
453883	25 kg	Metal drum	



n-Butyl acetate

• n-Butile acetato • n-Butyle acétate • n-Butilo acetate • n-Butylacetat

$\text{CH}_3\text{COO}(\text{CH}_2)_3\text{CH}_3$
Molecular Weight: 116,16
CAS: 123-86-4
EEC-N: 204-658-1

Classification transport

ONU: 1123
Transport Hazard class: 3
Packing group III



Warning

H226-H336-HEU066
P210-P241-P280-P303+P361+P353-P304+P340-
P403+P233

n-Butyl acetate > RS - Anhydrous - For analysis

RS

Refractive index at 20°C 1.392 - 1.396 Non volatile residue ≤ 10 mg/Kg Assay (GC) ≥ 99.5 %
Water content (K.F.) ≤ 100 mg/Kg Colour ≤ 10 Hazen Free acid (as CH3COOH) ≤ 50 mg/Kg

Code	Size	Packaging	Notes
P0011016	1 l	Glass bottle	
P0011021	2.5 l	Glass bottle	

n-Butyl acetate > RPE - For analysis

RPE

Description	Clear colourless liquid	Water (K.F)	≤0.1 %	Total silicon	≤0.02 ppm	Na	≤0.2 ppm
Identification (I.R.)	Conform	Butan-1-ol	≤0.5 %	Total sulphur	≤0.5 ppm	Pb	≤0.05 ppm
Ready carbonizable substances	Conform	n-Butyl formate	≤0.1 %	Ca	≤0.2 ppm	Zn	≤0.1 ppm
Density at 20° C	0.878 ÷ 0.884	Butyl propanoate	≤0.1 %	Cu	≤0.2 ppm	Assay (GLC)	≥99 %
Refractive index at 20°C	1.3926 ÷ 1.3976	iso-Butyl acetate	≤0.5 %	Fe	≤0.1 ppm		
Boiling point	126.0 ÷ 127.0 °C	Residue on evaporation	≤10 ppm	K	≤0.2 ppm		
Acidity or alkalinity	≤0.001 meq/g	Total phosphorus	≤0.2 ppm	Mg	≤0.02 ppm		

Code	Size	Packaging	Notes
431601000	1 l	Glass bottle	
431602000	2.5 l	Glass bottle	
431604	200 l	Metal drum	

n-Butyl acetate > RE - Pure

RE

Description	Clear colourless liquid	Refractive index at 20°C	1.3911 ÷ 1.3991	Residue on evaporation	≤100 ppm
Identification	Positive	Boiling point	123 ÷ 128 °C	Acidity (acetic acid)	≤300 ppm
Density at 20° C	0.876 ÷ 0.886	Water (K.F)	≤0.1 %	Assay (GLC)	≥99 %

Code	Size	Packaging	Notes
325602	1 l	Glass bottle	
325601	2.5 l	Glass bottle	
325604	5 l	Plastic tank	
325603	24 kg	Metal drum	

n-Butyl alcohol ▶ Butanol-1

sec-Butyl alcohol ▶ Butanol-2



n-Butyl chloride

• n-Butile cloruro • n-Butyle chlorure • n-Butilo cloruro • n-Butylchlorid

Synonym:
1-Chlorobutane

CH₃(CH₂)₃Cl
Molecular Weight: 92,57
CAS: 109-69-3
EEC-N: 203-696-6

Classification transport
ONU: 1127
Transport Hazard class: 3
Packing group II



Danger

H225-H304-H412
P210-P241-P280-P301+P310a-P303+P361+P353-
P403+P235

n-Butyl chloride > RS - For HPLC - Isocratic Grade

RS

Clear, colourless liq. appearance	Conform	Refractive index at 20°C	1.400 - 1.404	Non volatile residue	≤ 10 mg/Kg	UV transmittance at 250 nm	≥ 98 %
Identification	Conform	Water content (K.F)	≤ 100 mg/Kg	UV transmittance at 230 nm	≥ 65 %	UV transmittance at 240 nm	≥ 95 %
Colour	≤ 10 Apha	Free acid (as HCl)	≤ 10 mg/Kg	UV transmittance at 235 nm	≥ 90 %	Assay (GC)	≥ 99.8 %



Code	Size	Packaging	Notes
431821	1 l	Glass bottle	

n-Butyl chloride > RPE - For analysis

RPE

Description	Clear colourless liquid	Refractive index at 20°C	1.3981 ÷ 1.4061	Colour	≤ 10 APHA	Water (K.F)	≤ 150 ppm
Identification	Positive	Assay (GLC)	≥ 99.5 %	1-Butanol	≤ 0.05 %	Residue on evaporation	≤ 10 ppm

Code	Size	Packaging	Notes
431811	100 ml	Glass bottle	
431817	1 l	Glass bottle	




	Butylhydroxytoluene	Synonym:
	• Butile idrossitoluene • Butylhydroxytoluène • Butil hidroxitolueno • Butylhydroxytoluol	• 2,6-Di-tert-butyl-p-cresol • BHT
<chem>[(CH3)3C]2C6H2(CH3)OH</chem> Molecular Weight: 220,36 CAS: 128-37-0 EEC-N: 204-881-4		 Warning H410 P273-P391-P501a

Butylhydroxytoluene > RPE - For analysis

RPE

Description White semitransparent crystals Melting point 69.0 ÷ 71.0 ° C Assay (GLC) 99 ÷ 100 %
 Identification Positive Water (K.F.) ≤ 0.12 %

Code	Size	Packaging	Notes
432121	25 g	Glass bottle	

	tert-Butylmethylether	Synonym:
	• ter-Butilmetiletere • tert-Butylméthyléther • ter-Butilmetiléter • tert-Butylmethylether	• MTBE • Methyl tert-butyl ether
<chem>CH3OC4H9</chem> Molecular Weight: 88,15 CAS: 1634-04-4 EEC-N: 216-653-1		  Danger H225-H315 P210-P241-P280-P303+P361+P353-P332+P313-P403+P235
Classification transport ONU: 2398 Transport Hazard class: 3 Packing group II		

tert-Butylmethylether > RS - For HPLC - Isocratic Grade

RS

Refractive index at 20°C 1.367 - 1.371 Water content (K.F.) ≤ 100 mg/Kg UV transmittance at 280 nm ≥ 92 % Non volatile residue ≤ 10 mg/Kg
 Clear, colourless liq. appearance Conform UV transmittance at 210 nm ≥ 10 % UV transmittance at 300 nm ≥ 98 % Hydrocarbons up to C8 ≤ 0.05 %
 Identification Conform UV transmittance at 230 nm ≥ 40 % Assay (GC) ≥ 99.8 %
 Colour ≤ 10 Apha UV transmittance at 250 nm ≥ 75 % Methanol + tert-butanol ≤ 0.05 %

Code	Size	Packaging	Notes
432031	1 l	Glass bottle	
432032	2.5 l	Glass bottle	
432034	4 l	Glass bottle	

tert-Butylmethylether > RS - For preparative HPLC

RS

Description Clear colourless liquid Boiling point 54.8 ÷ 55.8 ° C Residue on evaporation ≤ 2 ppm at 240 nm ≥ 60 %
 Identification Positive Acidity or alkalinity ≤ 0.0002 meq/g Assay (GLC) ≥ 99.5 % at 270 nm ≥ 95 %
 Density at 20° C 0.730 ÷ 0.750 Water (K.F.) ≤ 200 ppm U.V. Transmittance

Code	Size	Packaging	Notes
432022000	2.5 l	Glass bottle	

tert-Butylmethylether > RS - PESTIPUR - For pesticide analysis

RS

Appearance Clear colourless liquid Assay (GC) ≥ 99.8 % Ret. range 1,2,4-trichlorobenzene Retention time Atrazin to Coumaphos
 Refractive index at 20°C 1.367 - 1.371 Non volatile residue ≤ 5 mg/Kg GC-NPD. Individual peak (Ethylparathion) ≤ 3 ng/l
 Water content (K.F.) ≤ 100 mg/Kg GC-ECD. Individual peak (Lindane) .. ≤ 3 ng/l to decachlorobiphenyle
 Colour ≤ 10 Hazen Retention time trichlorobenzene to mirex

Code	Size	Packaging	Notes
432061	1 l	Glass bottle	
432062	2.5 l	Glass bottle	

For chlorinated and nitrogenous compounds analysis

tert-Butylmethylether > RS - SPECTROSOL - For optical spectroscopy

RS

Clear, colourless liq. appearance Conform Water content (K.F.) ≤ 100 mg/Kg UV transmittance at 280 nm ≥ 92 % Non volatile residue ≤ 10 mg/Kg
 Identification Conform UV transmittance at 210 nm ≥ 10 % UV transmittance at 300 nm ≥ 98 % Hydrocarbons up to C8 ≤ 0.05 %
 Colour ≤ 10 Apha UV transmittance at 230 nm ≥ 40 % Methanol + tert-butanol ≤ 0.05 %
 Refractive index at 20°C 1.367 - 1.371 UV transmittance at 250 nm ≥ 75 % Assay (GC) ≥ 99.8 %

Code	Size	Packaging	Notes
432001	1 l	Glass bottle	
432002	2.5 l	Glass bottle	

tert-Butylmethylether > RS - Anhydrous - For analysis

RS

Refractive index at 20°C 1.367 - 1.371 Non volatile residue ≤ 10 mg/Kg Assay (GC) ≥ 99.8 % Hydrocarbons up to C8 ≤ 0.05 %
 Water content (K.F.) ≤ 100 mg/Kg Colour ≤ 10 Hazen Methanol + tert-butanol ≤ 0.05 %

Code	Size	Packaging	Notes
P0921016	1 l	Glass bottle	

tert-Butylmethylether > RPE - For analysis

RPE

Description Clear colourless liquid Boiling point 53 ÷ 56 °C Methyl alcohol ≤ 0.1 %
 Identification Positive Water (K.F.) ≤ 100 ppm Refractive index at 20°C 1.368 ÷ 1.370
 Density at 20° C 0.739 ÷ 0.742 Peroxides (H2O2) ≤ 10 ppm Assay (GLC) ≥ 99.5 %

Code	Size	Packaging	Notes
432011	500 ml	Glass bottle	
432013	2.5 l	Glass bottle	
432015	20 kg	Aluminium can	

tert-Butylmethylether > RE - Pure

RE

Description Clear liquid Refractive index at 20°C 1.3635 ÷ 1.3735 Water (K.F.) ≤ 300 ppm Assay (GLC) ≥ 99.9 %
 Density at 20° C 0.739 ÷ 0.741 Boiling point 54.8 ÷ 55.8 °C Residue on evaporation ≤ 30 ppm Methanol + tert-butanol ≤ 0.1 %

Code	Size	Packaging	Notes
528974	1 l	Glass bottle	
528970	5 l	Plastic tank	
528971	25 l	Metal drum	
528979	200 l	Metal drum	



n-Butyric acid

• Acido n-butirrico • Acide n-butyrique • Acido n-butírico • Buttersäure

CH₃CH₂CH₂COOH
 Molecular Weight: 88,11
 CAS: 107-92-6
 EEC-N: 203-532-3

Classification transport
 ONU: 2820
 Transport Hazard class: 8
 Packing group III



Danger
 H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

n-Butyric acid > RPE - For analysis - Reag. Ph. Eur.

RPE

Description Clear colourless liquid Refractive index at 20°C 1.3961 ÷ 1.4021 Cd ≤ 1 ppm Assay (GLC) ≥ 99 %
 Identification Positive Boiling point 163.0 ÷ 164.0 °C Hg ≤ 1 ppm
 Density at 20° C 0.953 ÷ 0.957 As ≤ 3 ppm Pb ≤ 10 ppm

Code	Size	Packaging	Notes
403236	250 ml	Glass bottle	



Cadmium standard solution

• Cadmio standard soluzione • Cadmium standard solution • Cadmio, solución patrón • Cadmium-Standardlösung



Danger

H290-H340-H350-H373-HA26-HEU207
P260-P280-P308+P313-P314-P406-P501a

Cadmium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000700	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5000700
615000709	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000701

Cadmium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505547	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505548	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505549	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cadmium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503491	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503493	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503495	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503497	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cadmium standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507529	100 ml	Plastic bottle	conc. 1000 ppm Matrix: Nitric acid
507483	500 ml	Plastic bottle	conc. 1000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cadmium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
432311		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Cadmium standard solution > RS - Quality control standard solution for AAS (graphite furnace)

RS

Code	Size	Packaging	Notes
504360	50 ml	Plastic bottle	conc. 5 ppb - Matrix: 2% Nitric acid

**Cadmium acetate dihydrate**

• Cadmio acetato diidrato • Cadmium acetate dihydrate • Cadmio acetato dihidrato • Cadmiumacetat-Dihydrat

Cd(CH₃COO)₂·2H₂O
Molecular Weight: 266,52
CAS: 5743-04-4
EEC-N: 208-853-2**Classification transport**
ONU: 2570
Transport Hazard class: 6.1
Packing group III**Danger**
H301-H312-H330-H340-H350-H361d-H372-H410-HA26
P271-P280-P284-P301+P310a-P304+P340-P403+P233**Cadmium acetate dihydrate > RPE - For analysis****RPE**Description White crystals Nitrate ≤ 30 ppm Cu ≤ 10 ppm Zn ≤ 50 ppm
Identification Positive Substances not ppt. H₂S ≤ 0.3 % Fe ≤ 10 ppm Assay (complexometric) ≥ 97.5 %
Water-insoluble matter ≤ 0.005 % Sulphate ≤ 50 ppm Pb ≤ 50 ppm

Code	Size	Packaging	Notes
432344	100 g	Glass bottle	
432345	250 g	Plastic bottle	
432347	1 kg	Plastic bottle	

**Cadmium carbonate**

• Cadmio carbonato • Cadmium carbonate • Cadmio carbonato • Cadmiumcarbonat

Synonym:
*Otavite*CdCO₃
Molecular Weight: 172,42
CAS: 513-78-0
EEC-N: 208-168-9**Classification transport**
ONU: 2570
Transport Hazard class: 6.1
Packing group II**Danger**
H302-H312-H330-H340-H350-H372-H410-HA26
P280-P284-P304+P340-P310a-P320-P330-P362+P364-P403+P233**Cadmium carbonate > RPE - For analysis****RPE**Description White powder HCl-insoluble matter ≤ 100 ppm Pb ≥ 100 ppm
Identification Positive Cu ≤ 100 ppm Assay (complexometric) 97 ÷ 100 %

Code	Size	Packaging	Notes
432444	100 g	Glass bottle	
432446	500 g	Plastic bottle	

**Cadmium chloride monohydrate**

• Cadmio cloruro monoidrato • Cadmium chlorure monohydraté • Cadmio cloruro monohidrato • Cadmiumchlorid monohydrat

CdCl₂·H₂O
Molecular Weight: 201,32
CAS: 35658-65-2
EEC-N: 233-296-7**Classification transport**
ONU: 2570
Transport Hazard class: 6.1
Packing group III**Danger**
H301-H332-H350-H372-H410-HA26
P271-P280-P301+P310a-P330-P304+P340-P308+P313**Cadmium chloride monohydrate > RE - Pure****RE**Description White crystals Sulphate ≤ 200 ppm Pb ≤ 50 ppm
Identification Positive Cu ≤ 20 ppm Zn ≤ 200 ppm
Substances not ppt. H₂S ≤ 0.2 % Fe ≤ 10 ppm Assay ≥ 98 %

Code	Size	Packaging	Notes
325741	100 g	Glass bottle	



Cadmium nitrate tetrahydrate

- Cadmio nitrato tetraidrato • Cadmium nitrate tétrahydraté • Cadmio nitrato tetrahidratado
- Cadmiumnitrat-Tetrahydrat

Synonym:
Nitric acid, cadmium salt tetrahydrate

$Cd(NO_3)_2 \cdot 4H_2O$
Molecular Weight: 308,47
CAS: 10022-68-1
EEC-N: 233-710-6

Classification transport
ONU: 2570
Transport Hazard class: 6.1
Packing group III



Danger
H302-H312-H332-H340-H350-H372-H410-HA26
P271-P280-P304+P340-P308+P313-P330-
P362+P364

Cadmium nitrate tetrahydrate > RPE - For analysis

RPE

Description White crystals Chloride ≤ 50 ppm Pb ≤ 50 ppm
Identification Positive Cu ≤ 30 ppm Sulfate ≤ 0.003 %
Water-insoluble matter ≤ 100 ppm Fe ≤ 10 ppm Assay (complexometric) ≥ 99 %

Code	Size	Packaging	Notes
432644	100 g	Glass bottle	
432645	500 g	Glass bottle	



Caffeine anhydrous

- Caffèina anidra • Caféine anhydre • Cafeína anhidra • Wasserfreies Koffein

Synonym:
1,3,7-Trimethylxanthine

$C_8H_{10}N_4O_2$
Molecular Weight: 194,19
CAS: 58-08-2
EEC-N: 200-362-1



Warning
H302
P264-P270-P301+P312a-P330-P501a

Caffeine anhydrous > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBApharm

Description White crystalline powder Related substances Conform Ph.Eur. Melting point 235 ÷ 239 °C s.s. Sulphate ≤ 500 ppm
Identification Positive Organic volatile impurities Conform USP-NF Loss on drying ≤ 0.5 % Impurity (HPLC) ≤ 0.1 %
Appearance of solution Conform Ph.Eur. Ready carbonizable substances Conform USP-NF Sulphated ash ≤ 0.1 % Assay (non-aqueous medium) .98.5 ÷ 101.0 % s.s.
Acidity Conform Ph.Eur. Other alkaloids Conform USP-NF Heavy metals (Pb) ≤ 10 ppm Assay (HPLC) 98.5 ÷ 101.0 % s.s.

Code	Size	Packaging	Notes
326356	500 g	Plastic bottle	
326357	1 kg	Plastic bottle	
326358	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium standard solution

- Calcio standard soluzione • Calcium standard solution • Calcio, solución patrón • Calcium-Standardlösung

Ca
CAS: 7440-70-2

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Calcium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000801	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5000801
615000802	100 ml	Plastic bottle	A 100 ppm alcoholic solution: to dilute according to Ph.Eur 5000802
615000803	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5000803
615000804	100 ml	Plastic bottle	A 100 ppm solution R1: to dilute according to Ref Ph.Eur 5000804
615000809	100 ml	Plastic bottle	A 400 ppm solution: to dilute according to Ref Ph.Eur 5000800

Calcium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505542	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505545	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505543	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Calcium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503481	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503483	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503485	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503487	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Calcium standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507530	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507476	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497485	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497481	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Calcium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
432941		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Calcium standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503221	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503223	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503389	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Calcium acetate anhydrous

• Calcio acetato anidro • Calcium acétate anhydre • Calcio acetato anhidro • Calciumacetat wasserfrei

Ca(CH₃COO)₂
Molecular Weight: 158,17
CAS: 62-54-4
EEC-N: 200-540-9

Calcium acetate anhydrous > ERBapharm - According to pharmacopoeia: BP

ERBapharm

Description White powder Water (K.F.) ≤ 7 % Sulphate ≤ 600 ppm K ≤ 0.1 %
Identification Positive Alkalinity Conform Al ≤ 1 ppm Na ≤ 0.5 %
Nitrate Conform BP Chloride ≤ 330 ppm As ≤ 2 ppm Mg ≤ 500 ppm
Ready oxidizable substances Conform BP Heavy metals (Pb) ≤ 20 ppm Ba ≤ 50 ppm Assay (complexometric) 98.0 ÷ 100.5 % s.s.

Code	Size	Packaging	Notes
326511	1 kg	Plastic bottle	
326512	5 kg	Plastic tank	
326513	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Calcium acetate anhydrous > RE - Pure

RE

Description White powder Chloride ≤ 500 ppm Heavy metals (Pb) ≤ 5 ppm Fe ≤ 10 ppm
Identification Positive Water-insoluble matter ≤ 500 ppm Sulphate ≤ 500 ppm Assay ≥ 99 %
pH sol. 1% 7 ÷ 8 Loss on drying ≤ 6 % As ≤ 2 ppm

Code	Size	Packaging	Notes
326507	1 kg	Plastic bottle	
326503	25 kg	Plastic bucket	



Calcium acetate monohydrate

• Calcio acetato monoidrato • Calcium acétate monohydrate • Calcio acetato monohidrato • Calciumacetat monohydrat

Ca(CH₃COO)₂·H₂O
Molecular Weight: 158,17
CAS: 5743-26-0
EEC-N: 611-528-1

Calcium acetate monohydrate > RPE - For analysis

RPE

Description White crystalline powder Chloride ≤ 20 ppm Sulphate ≤ 50 ppm Na ≤ 500 ppm
Identification Positive Water insoluble substances ≤ 0.01 % Ba ≤ 30 ppm Sr ≤ 0.1 %
pH sol. 5% at 25° C 7.5 ÷ 8.5 Heavy metals (Pb) ≤ 10 ppm Fe ≤ 10 ppm Assay (complexometric) ≥ 99 %
Loss on drying ≤ 10 % Nitrate ≤ 20 ppm K ≤ 100 ppm

Code	Size	Packaging	Notes
432985	250 g	Plastic bottle	
432987	1 kg	Plastic bottle	
432982	25 kg	Plastic bucket	



Calcium carbonate

• Calcio carbonato • Calcium carbonate • Calcio carbonato • Calciumcarbonat

CaCO₃
Molecular Weight: 100,09
CAS: 471-34-1

Calcium carbonate > RS - For enviromental analysis

RS

Description White powder Sulphate < 2000 ppm As < 4 ppm
Identification Positive Heavy metals (Pb) < 20 ppm Acid insoluble < 0.2 %
Chloride < 200 ppm Perdita essiccamento (200°C) < 0.5 % Assay (complexometric) > 98.5 % s.s.

Code	Size	Packaging	Notes
433216	500 g	Plastic bottle	

Low content in alkali

Calcium carbonate > RS - For chromatography

RS

Description White powder Identification Positive

Code	Size	Packaging	Notes
433245	250 g	Plastic bottle	

Calcium carbonate > RS - TOC standard

RS

Code	Size	Packaging	Notes
505008	100 ml	Plastic bottle	conc. 50 mg/l
505009	100 ml	Plastic bottle	conc. 100 mg/l

Calcium carbonate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White powder	Chloride ≤ 10 ppm	Ba ≤ 100 ppm	Na ≤ 0.1 %
Identification Positive	Fluoride ≤ 15 ppm	Fe ≤ 30 ppm	Sr ≤ 0.1 %
Diluted hydrochloric acid insoluble... ≤ 100 ppm	Sulphate ≤ 100 ppm	K ≤ 100 ppm	Assay (complexometric) 99.0 ÷ 100.5 % s.s.
Ammonium ≤ 30 ppm	Heavy metals (Pb) ≤ 10 ppm	Mg ≤ 200 ppm	As ≤ 4 ppm

Code	Size	Packaging	Notes
433185	250 g	Plastic bottle	
433187	1 kg	Plastic bottle	
433183	25 kg	Sack	

Calcium carbonate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP

ERBApharm

Description White powder	Magnesium and alkali metals ≤ 1.0 %	Fluoride ≤ 50 ppm	Hg ≤ 0.5 ppm
Identification Positive	Substances insoluble in acetic acid ≤ 0.2 %	Sulphate ≤ 0.25 %	Pb ≤ 3 ppm
Barium Conform Ph.Eur.	Substances insoluble in hydrochloric acid .. ≤ 0.2 %	Heavy metals (Pb) ≤ 20 ppm	Assay (complexometric) 98.5 ÷ 100.5 % s.s.
Organic volatile impurities Conform USP-NF	Chloride ≤ 330 ppm	As ≤ 3 ppm	Origin (BSE/TSE) Synthesis
Loss on drying ≤ 2.0 %		Fe ≤ 200 ppm	Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
327101	1 kg	Plastic bottle	
327105	25 kg	Sack	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Calcium carbonate > RE - Pure

RE

Description White powder	Assay (complexometric) ≥ 98.0 %	Apparent density 400 ÷ 600 g/l	As ≤ 5 ppm
Identification Positive	Soluble alcalies (NaCO3) ≤ 0.26 %	Heavy metals (Pb) ≤ 30 ppm	Fe ≤ 200 ppm
Loss on drying ≤ 2 %	Chloride ≤ 350 ppm	Sulphate ≤ 0.8 %	Assay (alkalimetric) 98.5 ÷ 100.5 % s.s.

Code	Size	Packaging	Notes
327002	2.5 kg	Plastic bottle	Light powder
327059	5 kg	Plastic tank	Heavy powder
327003	25 kg	Plastic bucket	Light powder



Calcium chloride anhydrous

• Calcio cloruro anidro • Calcium chlorure anhydre • Calcio cloruro anhidro • Calciumchlorid wasserfrei

CaCl₂
 Molecular Weight: 110,99
 CAS: 10043-52-4
 EEC-N: 233-140-8


Warning

H319
 P264-P280i-P305+P351+P338-P337+P313

Calcium chloride anhydrous > RS - For microanalysis

RS

Description White granules Identification Positive Diameter 1 - 6 mm Assay (complexometric) ≥ 96 %

Code	Size	Packaging	Notes
433535	250 g	Plastic bottle	Granular

Calcium chloride anhydrous > RPE - For analysis

RPE

Description White powder Alkalinity < 0.3 % Heavy metals (Pb) < 50 ppm Mg < 0.1 %
 Identification Positive Water-insoluble matter < 0.1 % Ba < 100 ppm Assay (complexometric) ≥ 96.0 %
 Acidity < 50 ppm Sulphate < 500 ppm Fe < 50 ppm

Code	Size	Packaging	Notes
433403	100 g	Plastic bottle	
433406	500 g	Plastic bottle	
433407	1 kg	Plastic bottle	
433405	25 kg	Drum	

Calcium chloride anhydrous > RE - Pure - Powder

RE

Description White powder Water insoluble Matter ≤ 0.1 % Assay (complexometric) ≥ 96 %
 Identification Positive Heavy metals (Pb) ≤ 50 ppm

Code	Size	Packaging	Notes
328257	1 kg	Plastic bottle	
328258	5 kg	Plastic tank	
328252	25 kg	Plastic bucket	

Calcium chloride anhydrous > RE - Pure - Granular

RE

Description white pellets Diameter 15 - 30 mm Assay (complexometric) ≥ 90 %
 Identification Positive Granulo 1,25-5 mm ≥ 75 %

Code	Size	Packaging	Notes
328757	1 kg	Plastic bottle	Ø 1.25 - 4 mm
328807	1 kg	Plastic bottle	Ø 15-30 mm
328759	5 kg	Plastic tank	Ø 1.25 - 4 mm
328809	5 kg	Plastic tank	Ø 15-30 mm



Calcium chloride dihydrate

• Calcio cloruro biidrato • Calcium chlorure dihydraté • Calcio cloruro dihidrato • Calciumchlorididihydrat

CaCl₂·2H₂O
 Molecular Weight: 147,02
 CAS: 10035-04-8
 EEC-N: 233-140-8



Warning

H302-H319
 P264-P280i-P301+P312a-P305+P351+P338-
 P337+P313-P501a

Calcium chloride dihydrate > RPE - For analysis - ACS

RPE

Description White crystalline powder Heavy metals (Pb) ≤ 5 ppm K ≤ 100 ppm Sr ≤ 0.1 %
 Identification Positive Sulphate ≤ 100 ppm Mg ≤ 50 ppm Ammonium ≤ 50 ppm
 pH sol. 5% at 25° C 4.5 ÷ 8.5 Ba ≤ 50 ppm Assay (complexometric) 99.0 ÷ 105.0 % Oxidizing substances ≤ 30 ppm
 Water-insoluble matter ≤ 100 ppm Fe ≤ 10 ppm Na ≤ 0.02 %

Code	Size	Packaging	Notes
433386	100 g	Plastic bottle	
433387	500 g	Plastic bottle	
433381	1 kg	Plastic bottle	
433382	5 kg	Plastic tank	
433384	25 kg	Plastic bucket	

Calcium chloride dihydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB ERBApharm

Description	White crystalline powder	Ba	Conform Ph.Eur.	Sulphate	≤ 300 ppm	Assay (complexometric)	99.0 ÷ 103.0 %
Identification	Positive	Fe,Al and Phosphate	Conform USP-NF	Mg and alkaline metals.....	≤ 0.5 %	Origin (BSE/TSE).....	Synthesis
Appearance of solution	Conform Ph.Eur.	pH (1:20).....	4.5 ÷ 9.2	Al	≤ 1 ppm	Residual solvents (Current ICH).....	Conform
Acidity or alkalinity.....	Conform Ph.Eur.	Heavy metals (Pb).....	≤ 10 ppm	Fe	≤ 10 ppm		

Code	Size	Packaging	Notes
327607	1 kg	Plastic bottle	
327609	5 kg	Plastic tank	
327603	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium chloride hexahydrate

• Calcio cloruro esaidrato • Calcium chlorure hexahydraté • Calcio cloruro hexahidrato • Calciumchloridhexahydrat

CaCl₂·6H₂O
Molecular Weight: 219,08
CAS: 7774-34-7
EEC-N: 233-140-8



Warning

H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Calcium chloride hexahydrate > RPE - For analysis

RPE

Description .	White semitransparent crystals	Phosphate	≤ 10 ppm	Ba	≤ 50 ppm	Pb.....	≤ 5 ppm
Identification	Positive	Water ins.ble/ppt NH4OH.....	≤ 100 ppm	Cu	≤ 5 ppm	Zn	≤ 10 ppm
Oxidizing substances (NO3).....	≤ 30 ppm	Heavy metals (Pb).....	≤ 5 ppm	Fe	≤ 25 ppm	Assay (complexometric)	≥ 98.0 %
pH sol. 5% at 25° C	4.5 ÷ 8.5	Sulphate	≤ 100 ppm	Mg	≤ 50 ppm	Mn	≤ 5 ppm
Ammonium	≤ 50 ppm	As	≤ 1 ppm	Ni	≤ 5 ppm	Sr.....	≤ 100 ppm

Code	Size	Packaging	Notes
433377	1 kg	Plastic bottle	
433371	5 kg	Plastic tank	
433375	25 kg	Drum	

Calcium chloride hexahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.

ERBApharm

Description	White crystalline mass	Acidity or alkalinity.....	Conform Ph.Eur.	Ba	Conform Ph.Eur.	Mg and alkaline metals.....	≤ 0.3 %
Identification	Positive	Sulphate	≤ 200 ppm	Heavy metals (Pb).....	≤ 15 ppm	Assay (complexometric)	97.0 ÷ 103.0 %
Appearance of solution	Conform Ph.Eur.	Al	Conform Ph.Eur.	Fe	≤ 7 ppm		

Code	Size	Packaging	Notes
327507	1 kg	Plastic bottle	
327509	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium chloride solution 0.025%

• Calcio cloruro soluzione 0.025% • Calcium chlorure solution 0.025% • Calcio cloruro solución 0.025% • Calciumchlorid 0.025%

Calcium chloride solution 0.025% > RPE - For analysis

RPE

Description	Clear colourless liquid	Identification	Positive	Assay (complexometric)	0.022 ÷ 0.028 %
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Code	Size	Packaging	Notes
E433427	1 l	Plastic bottle	

Calcium dihydrogenphosphate monohydrate ▶ Calcium phosphate monobasic monohydrate



Calcium fluoride

• Calcio fluoruro • Calcium fluorure • Calcio fluoruro • Calciumfluorid

Synonym:
Fluorite

CaF₂
Molecular Weight: 78,08
CAS: 7789-75-5
EEC-N: 232-188-7



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Calcium fluoride > RPE - For analysis

RPE

Description White powder Chloride..... ≤ 0.1 % Cr..... ≤ 5 ppm Mn ≤ 1 ppm
Identification Positive Sulphate..... ≤ 50 ppm Cu..... ≤ 1 ppm Ni ≤ 5 ppm
Loss on ignition..... ≤ 0.5 % Co..... ≤ 5 ppm Fe ≤ 10 ppm Assay (complexometric) ≥ 98 %

Code	Size	Packaging	Notes
433585	250 g	Plastic bottle	
433587	1 kg	Plastic bottle	



Calcium gluconate

• Calcio gluconato • Calcium gluconate • Calcio gluconato • Calciumgluconat

C₁₂H₂₂CaO₁₄·H₂O
Molecular Weight: 448,39
CAS: 18016-24-5

Calcium gluconate > ERBapharm - According to pharmacopoeia: FU-Ph.Eur.

ERBapharm

Description White crystalline powder Saccharose and red. sug. Conform Ph.Eur. Sulphate ≤ 100 ppm TYMC ≤ 100 CFU/g
Identification Positive Mg and alkaline metals..... ≤ 0.4 % Assay (complexometric) 98.5 ÷ 102.0 %
Organic imp., boric ac..... Conform Ph.Eur. Heavy metals (Pb)..... ≤ 10 ppm TAMC ≤ 1000 CFU/g

Code	Size	Packaging	Notes
330608	1 kg	Plastic bottle	
330609	5 kg	Plastic tank	
330601	25 kg	Sack	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium hydroxide

• Calcio idrossido • Calcium hydroxyde • Calcio hidróxido • Calciumhydroxid

Ca(OH)₂
Molecular Weight: 74,09
CAS: 1305-62-0
EEC-N: 215-137-3



Danger

H315-H318
P264-P280a-P305+P351+P338-P310a-P362+P364-
P332+P313

Calcium hydroxide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White powder Total sulphur ≤ 0.1 % Assay (alkalimetric)..... ≥ 95.0 % Mg ≤ 0.5 %
Identification Positive HCl-insoluble matter..... ≤ 300 ppm K..... ≤ 500 ppm
Carbonate..... ≤ 3.0 % Heavy metals (Pb)..... ≤ 30 ppm Na..... ≤ 500 ppm
Chloride..... ≤ 300 ppm Fe ≤ 500 ppm Sr..... ≤ 500 ppm

Code	Size	Packaging	Notes
433875	250 g	Plastic bottle	
433877	1 kg	Plastic bottle	
433874	25 kg	Plastic bucket	
433873	50 kg	Plastic drum	

Calcium hydroxide > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP

ERBApharm

Description	White powder	Organic volatile impurities	Conform USP-NF	Mg and alkaline metals.....	≤ 4.0 %	Sulphate	≤ 0.4 %
Identification	Positive	HCl-insoluble matter.....	≤ 0.5 %	Assay (complexometric).....	95.0 ÷ 100.5 %	As	≤ 4 ppm
Carbonate.....	Conform USP-NF	Heavy metals (Pb).....	≤ 20 ppm	Chloride.....	≤ 330 ppm	Assay (alkalimetric).....	95.0 ÷ 100.5 %

Code	Size	Packaging	Notes
331007	1 kg	Plastic bottle	
331008	5 kg	Plastic tank	
331003	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Calcium hydroxide > RE - Pure

RE

Description	White powder	As	≤ 3 ppm	Assay (complexometric).....	≥ 95 %
Identification	Positive	Heavy metals (Pb).....	≤ 20 ppm		

Code	Size	Packaging	Notes
326454	1 kg	Plastic bottle	
326458	25 kg	Plastic bucket	



Calcium lactate

• Calcio lattato • Calcium lactate • Calcio lattato • Calciumlactat

Synonym:
L-Lactic acid calcium salt

(CH₃CHOHCOO)₂Ca.5H₂O
Molecular Weight: 308,29
CAS: 5743-47-5
EEC-N: 248-953-3

Calcium lactate > ERBApharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White crystalline powder	Acidity or alkalinity.....	Conform Ph.Eur.	Chloride.....	≤ 200 ppm	Sulphate	≤ 400 ppm
Identification	Positive	Ba	Conform Ph.Eur.	Heavy metals (Pb).....	≤ 10 ppm	Fe	≤ 50 ppm
Appearance of solution.....	Conform Ph.Eur.	Loss on drying	22.0 ÷ 27.0 %	Mg and alkaline metals.....	≤ 1 %	Assay (complexometric).....	98.0 ÷ 102.0 % s.s.

Code	Size	Packaging	Notes
331407	1 kg	Plastic bottle	
331408	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium nitrate tetrahydrate

• Calcio nitrato tetraidrato • Calcium nitrate tétrahydraté • Calcio nitrato tetrahidrato • Calcium nitrate tetrahydrat

Ca(NO₃)₂.4H₂O
Molecular Weight: 236,15
CAS: 13477-34-4
EEC-N: 233-332-1

Classification transport
ONU: 1454
Transport Hazard class: 5.1
Packing group III



Danger
H272-H315-H319
P210-P280-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Calcium nitrate tetrahydrate > RPE - For analysis - ACS

RPE

Description	White crystals	Chloride.....	≤ 50 ppm	Ba	≤ 50 ppm	K.....	≤ 50 ppm
Identification	Positive	Nitrite	≤ 10 ppm	Fe	≤ 5 ppm	Na.....	≤ 100 ppm
pH sol. 5% at 25° C.....	5.0 ÷ 7.0	Sulphate	≤ 20 ppm	Assay (complexometric).....	99.0 ÷ 103.0 %	Sr.....	≤ 0.05 %
Water-insoluble matter	≤ 50 ppm	Heavy metals (Pb).....	≤ 5 ppm	Mg	≤ 0.05 %		

Code	Size	Packaging	Notes
433955	100 g	Plastic bottle	
433956	500 g	Plastic bottle	
433957	1 kg	Plastic bottle	
433951	5 kg	Plastic tank	

Calcium nitrate tetrahydrate > RE - Pure

RE

Description	White crystals	Ammonium	≤0.5 %	Heavy metals (Pb).....	≤50 ppm	Assay (complexometric)	97 ÷ 100 %
Identification	Positive	Chloride.....	≤500 ppm	Sulphate.....	≤0.1 %		
pH sol. 5% at 25° C	4.0 ÷ 7.0	Water-insoluble matter	≤100 ppm	Fe	≤100 ppm		

Code	Size	Packaging	Notes
331509	5 kg	Plastic tank	
331501	25 kg	Drum	



Calcium oxide, lumps

• Calcio ossido, pezzi • Calcium oxyde, morceaux • Calcio óxido, trozos • Calciumoxid, Klumpen

CaO
Molecular Weight: 56,08
CAS: 1305-78-8
EEC-N: 215-138-9



Danger

H315-H318-H335
P261-P304+P340-P310a-P305+P351+P338-
P362+P364-P403+P233

Calcium oxide, lumps > RE - Pure

RE

Description	Whitish lumps	Loss on ignition.....	≤5 %	HCl-insoluble matter.....	≤0.5 %	Fe	≤0.2 %
Identification	Positive	Carbonate.....	≤5.0 %	As	≤10 ppm	Assay (alkalimetric).....	≥95 %

Code	Size	Packaging	Notes
331557	1 kg	Plastic bottle	
331555	25 kg	Plastic bucket	



Calcium oxide, powder

• Calcio ossido, polvere • Calcium oxyde, poudre • Calcio óxido, polvo • Calciumoxid, Pulver

CaO
Molecular Weight: 56,08
CAS: 1305-78-8
EEC-N: 215-138-9



Danger

H315-H318-H335
P261-P304+P340-P310a-P305+P351+P338-
P362+P364-P403+P233

Calcium oxide, powder > RE - Pure

RE

Description	White powder	Identification	Positive	Calcium carbonate	≤10 %	Loss on ignition.....	≤5 %
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Code	Size	Packaging	Notes
331567	1 kg	Plastic bottle	
331564	25 kg	Plastic bucket	



Calcium pantothenate

• Calcio pantotenato • Calcium pantothénate • Calcio pantotenato • Calciumpantothenat

C₁₈H₃₂O₁₀N₂Ca
Molecular Weight: 476,6
CAS: 137-08-6
EEC-N: 205-278-9

Calcium pantothenate > ERBAPharm - According to pharmacopoeia: Ph.Eur.-FU-Ph.Franc.-DAB-USP

ERBAPharm

Description	White powder	pH sol. 5% at 25° C	6.8 ÷ 8.0	3-Aminopropionic acid.....	≤ 0.5 %	Ca.....	8.2 ÷ 8.6 % s.s.
Identification	Positive	Specific optical rotation on dry	+25.5 ÷ +27.5 °	Chloride.....	≤ 200 ppm	Assay (protonometric).....	98.0 ÷ 101.0 % s.s.
Appearance of solution	Conform Ph.Eur.	Loss on drying	≤ 3.0 %	Heavy metals (Pb).....	≤ 20 ppm		
Organic volatile impurities	Conform USP-NF			N.....	5.7 ÷ 6.0 % s.s.		

Code	Size	Packaging	Notes
331602	100 g	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium phosphate dibasic dihydrate

• Calcio fosfato bibasico diidrato • Calcium phosphate dibasique dihydraté • Calcio fosfato dibásico dihidrato • Calciumphosphat zweiwertiges Dihydrat

CaHPO₄·2H₂O
Molecular Weight: 172,09
CAS: 7789-77-7
EEC-N: 231-826-1



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Calcium phosphate dibasic dihydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.

Franc.

ERBApharm

Description	White crystalline powder	Loss on ignition	24.5 ÷ 26.5 %	Heavy metals (Pb).....	≤30 ppm	Assay (complexometric)	98.0 ÷ 105.0 %
Identification	Positive	Chloride	≤0.25 %	Sulphate	≤0.5 %		
Carbonate.....	Conform Ph.Eur.	Fluoride	≤50 ppm	As	≤3 ppm		
Ba	Conform Ph.Eur.	HCl-insoluble matter	≤0.2 %	Fe	≤400 ppm		

Code	Size	Packaging	Notes
330307	1 kg	Plastic bottle	
330303	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium phosphate monobasic monohydrate

• Calcio fosfato monobasico monoidrato • Calcium phosphate monobasique monohydraté
• Calcio fosfato monobásico monohidrato • Einbasiges Calciumphosphat-Monohydrat

Synonym:

Calcium dihydrogenphosphate monohydrate

Ca(H₂PO₄)₂·H₂O
Molecular Weight: 252,07
CAS: 7758-23-8
EEC-N: 231-837-1



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Calcium phosphate monobasic monohydrate > RPE - For analysis

RPE

Description	White crystalline powder	As	≤ 1 ppm	Pb	≤ 1 ppm
Identification (I.R.).....	Positive	Cd.....	≤ 1 ppm	Fluoride	≤ 30 ppm
Al	≤ 200 ppm	Hg.....	≤ 1 ppm	Assay (on dry)	≥ 95.0 %

Code	Size	Packaging	Notes
433685	250 g	Plastic bottle	



Calcium phosphate tribasic

• Calcio fosfato tribasico • Calcium phosphate tribasique • Calcio fosfato tribásico
• Calciumphosphat tribasisch

Synonym:

tri-Calcium (ortho)phosphate

Ca₃(PO₄)₂
Molecular Weight: 310,18
CAS: 7758-87-4
EEC-N: 231-840-8

Calcium phosphate tribasic > RPE - For analysis

RPE

Description	White powder	Loss on ignition	≤ 4 %	Pb	≤ 1 ppm	Zn	≤ 25 ppm
Identification	Positive	Heavy metals (Pb).....	≤ 10 ppm	Assay (acidimetric)	≥ 90 %	Assay (P205)	40.5 ÷ 42 %
pH sol 10%.....	6.5 ÷ 7.5	As	≤ 1 ppm	Cu + Zn.....	≤ 50 ppm		

Code	Size	Packaging	Notes
433774	100 g	Plastic bottle	
433776	500 g	Plastic bottle	

Calcium phosphate tribasic > ERBApharm - According to pharmacopoeia: Ph.Eur.

ERBApharm

Description	White powder	Loss on ignition	≤ 8.0 %	Heavy metals (Pb).....	≤ 30 ppm	Fe	≤ 400 ppm
Identification	Positive	Chloride	≤ 0.15 %	Sulphate	≤ 0.5 %	Assay (complexometric)	35.0 ÷ 40.0 % Ca
HCl-insoluble matter	≤ 0.2 %	Fluoride	≤ 75 ppm	As	≤ 4 ppm		

Code	Size	Packaging	Notes
330407	1 kg	Plastic bottle	
330409	5 kg	Plastic bucket	
330403	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium stearate

• Calcio stearato • Calcium stéarate • Calcio estearato • Calciumstearat

Synonym:

- Octadecanoic acid calcium salt
- Stearic acid calcium salt

$C_{36}H_{70}CaO_4$
Molecular Weight: 607,04
CAS: 1592-23-0
EEC-N: 216-472-8

Calcium stearate > ERBApharm - Vegetal origin - According to pharmacopoeia: USP-NF

ERBApharm

Description	White powder	Heavy metals (Pb).....	≤ 10 ppm	Stearic acid.....	≥ 40.0 %
Identification	Positive	Origin (BSE/TSE).....	Vegetable	Stearic + palmitic acid.....	≥ 90.0 %
Loss on drying	≤ 4.0 %	Assay (complexometric) (d.s).....	6.4 ÷ 7.4 % (Ca)	Residual solvents (Current ICH).....	Conform

Code	Size	Packaging	Notes
332262	2.5 kg	Plastic bottle	
332261	10 kg	Plastic bucket	
332265	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Calcium sulfate dihydrate

• Calcio solfato biidrato • Calcium sulfat dihydraté • Calcio sulfato dihidrato • Calciumsulfat-Dihydrat

$CaSO_4 \cdot 2H_2O$
Molecular Weight: 172,17
CAS: 10101-41-4
EEC-N: 231-900-3

Calcium sulfate dihydrate > RPE - For analysis - ACS

RPE

Description	White powder	HCl-insoluble matter	≤ 0.02 %	K.....	≤ 50 ppm	Assay (complexometric)	98 ÷ 102 %
Identification	Positive	Heavy metals (Pb).....	≤ 20 ppm	Mg	≤ 0.02 %		
Carbonate.....	Conform ACS	Nitrate	Conform ACS	Na	≤ 0.02 %		
Chloride.....	≤ 50 ppm	Fe	≤ 10 ppm	Sr.....	≤ 0.05 %		

Code	Size	Packaging	Notes
434155	100 g	Plastic bottle	
434156	500 g	Plastic bottle	
434151	25 kg	Plastic bucket	

Calcium sulfate dihydrate > ERBApharm - According to pharmacopoeia: NF

ERBApharm

Description	White crystalline powder	Fe	≤ 100 ppm	Loss on drying	19.0 ÷ 23.0 %
Identification	Positive	Heavy metals (Pb).....	≤ 10 ppm	Assay	98.0 ÷ 101.0 % s.s.

Code	Size	Packaging	Notes
331752	5 kg	Plastic tank	
331751	25 kg	Sack	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Calcium sulfate hemihydrate**

• Calcio solfato emidratato • Calcium sulfate hemihydraté • Calcio sulfato hemihidratato • Calciumsulfat-Halbhydrat

CaSO₄·1/2H₂O
 Molecular Weight: 145,15
 CAS: 10034-76-1

Calcium sulfate hemihydrate > RE - Pure**RE**

Description White powder Identification Positive Assay ≥ 97 %

Code	Size	Packaging	Notes
331761	1 kg	Plastic bottle	
331762	5 kg	Plastic tank	
331763	25 kg	Plastic bucket	

**Calcium sulfate hemihydrate solution**

• Calcio solfato emidratato soluzione • Calcium sulfate hemihydraté solution • Calcio sulfato hemihidratato solución • Calciumsulfat-Halbhydratlösung

Calcium sulfate hemihydrate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611015202	100 ml	Plastic bottle	Ref Ph.Eur 1015201
611015201	1 l	Plastic bottle	Ref Ph.Eur 1015201

**Calcon**

• Calcone • Calcon • Calcón • Calcon

Synonym:

1-(2-Hydroxy-1-naphthylazo)-2-naphthol-4-sulfonic acid sodium salt

C₂₀H₁₃N₂NaO₅S
 Molecular Weight: 416,39
 CAS: 2538-85-4
 EEC-N: 219-810-2

**Warning**

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Calcon > RPE - For analysis - C.I. 15705**RPE**

Description Deep purple powder Identification Positive

Code	Size	Packaging	Notes
434171	25 g	Glass bottle	

Complexometric indicator for Al, Fe, Zr**Calconcarboxylic acid**

• Acido calconcarbonico • Acide calconcarbonique • Acido calconcarbónico • Calconcarbonsäure

Synonym:

• Calconcarboxylic acid
 • 3-Hydroxy-4-(2-hydroxy-4-sulfo-1-naphthylazo)
 naphthalene-2-carboxylic acid

C₂₁H₁₄O₇N₂S
 Molecular Weight: 438,42
 CAS: 3737-95-9
 EEC-N: 223-117-0



**Warning**

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Calconcarboxylic acid > RPE - For analysis - Reag. Ph. Eur.**RPE**

Description Polvere viola scura Identification Positive Water ≤ 10 %

Code	Size	Packaging	Notes
403308	5 g	Glass bottle	

	Calmagite • Calmagite • Calmagite • Calmagita • Calmagite	Synonym: 3-Hydroxy-4-(2-hydroxy-5methylphenylazo)- naphthalene-1-sulfonic acid
	C ₁₇ H ₁₄ N ₂ O ₅ S Molecular Weight: 358,37 CAS: 3147-14-6 EEC-N: 221-563-0	 Warning H315-H319-H335 P261-P271-P304+P340-P305+P351+P338- P332+P313-P403+P233


Calmagite > RPE - For analysis

RPE

DescriptionBlack powder Identification Positive

Code	Size	Packaging	Notes
434181	5 g	Glass bottle	

Suitable for the spectrophotometric determination of lanthanide

	Camphor natural • Canfora naturale • Camphre naturel • Alcanfor natural • Kampfer, Natürlicher	Synonym: • 2-Bornanone • 2-Camphanone
	C ₁₀ H ₁₆ O Molecular Weight: 152,23 CAS: 464-49-3 EEC-N: 207-355-2	Classification transport ONU: 2717 Transport Hazard class: 4.1 Packing group III	Warning H228-H315-H319-H335 P210-P241-P280-P304+P340-P305+P351+P338- P403+P233


Camphor natural > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-BP

ERBApharm

DescriptionWhite crystals WaterConform Ph.Eur. Melting point..... 172 ÷ 179 °C Non volat.substances≤500 ppm
Identification Positive Acidity or alkalinity.....Conform Ph.Eur. Specific optical rotation... +41.0 ÷ +43.0 °
Appearance of solutionConform Ph.Eur. Sostanze analoghe (GLC) ...Conform Ph.Eur. Halogenated compounds≤100 ppm

Code	Size	Packaging	Notes
332356	500 g	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Camphor synthetic • Canfora sintetica • Camphre synthétique • Alcanfor sintetico • Kampfer, Synthetischer	
	C ₁₀ H ₁₆ O Molecular Weight: 152,24 CAS: 76-22-2 EEC-N: 200-945-0	Classification transport ONU: 2717 Transport Hazard class: 4.1 Packing group III	Warning H228-H302-H371 P210-P241-P260-P264-P280-P301+P312a

Camphor synthetic > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBApharm

Description White crystalline powder WaterConform Ph.Eur. Melting point..... 172 ÷ 180 °C Non volat.substances≤500 ppm
Identification Positive Acidity or alkalinity.....Conform Ph.Eur. Specific optical rotation... -0.15 ÷ +0.15 ° Origin (BSE/TSE)..... Synthesis
Appearance of solutionConform Ph.Eur. Related substancesConform Ph.Eur. Halogenated compounds≤100 ppm Residual solvents (Current ICH)..... Conform

Code	Size	Packaging	Notes
332406	500 g	Plastic bottle	
332401	5 kg	Carton box	
332402	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Canada balsam**

• Balsamo del Canada • Baume du Canada • Balsamo del Canada • Kanadabalsam

CAS: 8007-47-4
EEC-N: 232-362-2**Warning**H226
P210-P241-P280-P303+P361+P353-P403+P235-
P501a**Canada balsam > RS - Mounting medium for microscopy**

RS

DescriptionPale yellow dense liquid Identification Positive

Code	Size	Packaging	Notes
321553	100 g	Glass bottle	
321554	250 g	Glass bottle	

**n-Caproic acid**

• Acido n-caproico • Acide n-caproïque • Acido n-caproico • n-Caprionsäure

Synonym:
Hexanoic acid $\text{CH}_3(\text{CH}_2)_4\text{COOH}$
Molecular Weight: 116,16
CAS: 142-62-1
EEC-N: 205-550-7**Classification transport**ONU: 2829
Transport Hazard class: 8
Packing group III**Danger**H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**n-Caproic acid > RPE - For analysis**

RPE

DescriptionYellow colourless liquid Identification Positive Refractive index at 20°C. 1.4150 ÷ 1.4180 Assay (GLC) ≥99 %

Code	Size	Packaging	Notes
403473	100 ml	Glass bottle	

Capryl alcohol ▶ Octanol-1**n-Caprylic acid**

• Acido n-caprilico • Acide n-caprylique • Acido n-caprilico • n-Caprylsäure

Synonym:
Octanoic acid $\text{CH}_3(\text{CH}_2)_6\text{COOH}$
Molecular Weight: 144,21
CAS: 124-07-2
EEC-N: 204-677-5**Classification transport**ONU: 3265
Transport Hazard class: 8
Packing group III**Danger**H314-H412
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**n-Caprylic acid > RE - Pure**

RE

Description Yellow clear liquid Identification Positive Refractive index at 20°C. 1.4268 ÷ 1.4288 Assay (GLC) ≥ 98.5 %

Code	Size	Packaging	Notes
403421	250 ml	Glass bottle	

Carbamic acid ammonium salt ▶ Ammonium carbamate



Carbolated Methylene Blue hydroalcoholic solution

- Blu metilene fenicato soluzione idroalcolica • Bleu de méthylène phéniqué solution hydroalcoolique • Azul de metileno fenicado solución hidroalcohólica
- Methylenblau-phenolische hydroalkoholische Lösung

Classification transport

ONU: 1170
 Transport Hazard class: 3
 Packing group III



Warning

H226-H315-H319-H341
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P308+P313

Carbolated Methylene Blue hydroalcoholic solution > RS - For microscopy

RS

Description Blue clear liquid Identification Positive

Code	Size	Packaging	Notes
428991	100 ml	Bottle	

Dye for bacteriology. Water / ethanol mixture (70:30). Contains phenol



Carbolated Toluidine Blue hydroalcoholic solution

- Blu toluidina fenicato soluzione idroalcolica • Bleu de toluidine phéniqué solution hydroalcoolique • Azul de metileno fenicado solución hidroalcohólica
- Phenolische Toluidinblau-Hydroalkohol-Lösung



Warning

H315-H319-H341
 P280-P305+P351+P338-P308+P313-P362+P364-
 P332+P313-P337+P313

Carbolated Toluidine Blue hydroalcoholic solution > RS - For microscopy

RS

Description Blue clear liquid Identification Positive

Code	Size	Packaging	Notes
429291	100 ml	Bottle	

Dye for histology. Ethanol - water (10:90). Contains phenol

Carbon ► Charcoal activated



Carborundum, granules

- Carborundo, granulare • Carborundum, granulés • Carborundo, gránulos • Carborundum-Granulat

Synonym:
Silicon carbide

CSi
 Molecular Weight: 40,1
 CAS: 409-21-2
 EEC-N: 206-991-8



Warning

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Carborundum, granules > RPE - For analysis

RPE

Description Black granules Loss on ignition ≤0.5 % Heavy metals (Pb) ≤50 ppm HCl solubility ≤0.5 %
 Identification Positive Chloride ≤100 ppm Sulphate ≤200 ppm Fe ≤200 ppm

Code	Size	Packaging	Notes
434766	500 g	Plastic bottle	



Carborundum, powder

- Carborundo, polvere • Carborundum, poudre • Carborundo, polvo • Carborundum-Pulver

Synonym:
Silicon carbide

CSi
 Molecular Weight: 40,1
 CAS: 409-21-2
 EEC-N: 206-991-8



Warning

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Carborundum, powder > RPE - For analysis

RPE

Description Black greyish powder Loss on ignition ≤0.5 % Fe ≤0.5 %
 Identification Positive HCl solubility ≤1 %

Code	Size	Packaging	Notes
434786	500 g	Plastic bottle	



Carrez reagent potassium salt

- Carrez reattivo sale di potassio • Réactif de Carrez sel de potassium • Carrez reactivo sal de potasio
- Carrez Reagenz Kaliumsalz

Synonym:
Carrez II

HEU032

Carrez reagent potassium salt > RS - For agroalimentary analysis

RS

Density at 20°C 1.056 ÷ 1.062

Code	Size	Packaging	Notes
502711	1 l	Plastic bottle	

Composition: according to NF V04-233: K4Fe(CN)6 3 H2O 106g water QSP 1 L



Carrez reagent zinc salt

- Carrez reattivo sale di zinco • Réactif de Carrez sel de zinc • Carrez reactivo sal de zinc
- Carrez Reagenz Zinksalz

Synonym:
Carrez I



Warning

H319-H412

P264-P273-P280i-P305+P351+P338-P337+P313-P501a

Carrez reagent zinc salt > RS - For agroalimentary analysis

RS

Density at 20°C 1.108 ÷ 1.114 pH at 20°C 4.40 ÷ 4.60

Code	Size	Packaging	Notes
502701	1 l	Glass bottle	

Composition: Zinc acetate dihydrate 219 g, acetic acid 30ml, water qsp 1 L



Casein

- Caseina • Caséine • Caseina • Kasein

CAS: 9000-71-9

EEC-N: 232-555-1

Casein > RS - For microscopy

RS

Description Yellowish powder Water ≤ 13 % Ash ≤ 3 % (s.s.)
 Identification Positive Acidi liberi (ac. lattico) ≤ 1 % Assay (ex nitrogen) ≥ 92 % s.s.

Code	Size	Packaging	Notes
435963	50 g	Plastic bottle	



Castor oil

- Olio di ricino • Huile de ricin • Aceite de ricino • Rizinusöl

Molecular Weight: 932

CAS: 8001-79-4

EEC-N: 232-293-8

Castor oil > ERBapharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBapharm

Description Slightly yellow, viscous liq. Optical rotation +3.5 ÷ +6.0 ° Composition of fatty acids (GC) Conform Ph.Eur. Linolenic acid ≤ 1.0 %
 Appearance Clear at 40°C Specific absorbance at 270nm ≤ 0.7 AU Palmitic acid ≤ 2.0 % Eicosenoic acid ≤ 1.0 %
 Appearance of solution Conform Acid value ≤ 1.5 Stearic acid ≤ 2.5 % Any other fatty acid ≤ 1.0 %
 Identification Positive Hydroxyl value ≥ 160 Ricinoleic acid 85.0 - 92.0 % Origin (BSE/TSE) Vegetable
 Relative density at 20°C about 0.958 Peroxide value ≤ 10.0 Oleic acid and isomers Conform Residual solvents (Current ICH) Conform
 Refractive index at 20° C about 1.479 Unsaponifiable matter ≤ 0.8 % Linoleic acid 2.5 - 7.0 % Residual solvents (CPMP/ICH/283/95) Conform
 Refractive index at 20°C about 1.479 Water (K.F) ≤ 0.3 %

Code	Size	Packaging	Notes
356351	1 l	Glass bottle	
356352	5 l	Aluminium can	
356353	28 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Cedarwood oil ▶ Oil of cedar wood



Cellulose, powder

• Cellulosa, polvere • Cellulose, poudre • Celulosa, polvo • Zellulose, Pulver

Synonym:

- α -Cellulose
- Cotton linters

CAS: 9004-34-6

EEC-N: 232-674-9

Cellulose, powder > RS - For chromatography

RS

Description Yellowish powder Identification Positive

Code	Size	Packaging	Notes
436061	250 g	Plastic bottle	

Ceric ammonium nitrate ▶ Cerium (IV) ammonium nitrate

Ceric ammonium sulfate dihydrate ▶ Cerium (IV) ammonium sulfate dihydrate



Cerium standard solution

• Cerio standard soluzione • Cérium standard solution • Cerio, solución patrón • Cer-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Cerium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505552	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505555	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cerium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503501	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503503	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503505	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503507	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cerium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507531	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507498	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Cerium (III) nitrate hexahydrate**

• Cerio nitrato oso esaidrato • Cérium (III) nitrato hexahydraté • Cerio (III) nitrato hexahidratado
• Cer(III)-nitrát-Hexahydrat

Synonym:

• *Cerium trinitrate*
• *Nitric acid cerium salt*

$Ce(NO_3)_3 \cdot 6H_2O$
Molecular Weight: 434,25
CAS: 10294-41-4
EEC-N: 233-297-2

Classification transport

ONU: 1477
Transport Hazard class: 5.1
Packing group III

**Danger**

H272
P210-P220-P280-P370+P378a-P501a

Cerium (III) nitrate hexahydrate > RE - Pure**RE**

Description Colourless crystals Sulphate ≤ 200 ppm CaO ≤ 50 ppm
Identification Positive Fe203 ≤ 35 ppm Assay ≥ 99.4 %

Code	Size	Packaging	Notes
436203	50 g	Glass bottle	

**Cerium (IV) ammonium nitrate**

• Cerio ammonio nitrato ico • Cérium (IV) ammonium nitrate • Cerio (IV) amonio nitrato
• Cer (IV) ammoniumnitrát

Synonym:

Cerium ammonium nitrate

$(NH_4)_2Ce(NO_3)_6$
Molecular Weight: 548,23
CAS: 16774-21-3
EEC-N: 240-827-6

Classification transport

ONU: 1477
Transport Hazard class: 5.1
Packing group II

**Danger**

H272-H318
P210-P220-P280-P305+P351+P338-P310a-P501a

Cerium (IV) ammonium nitrate > RPE - For analysis - ACS - Reag. Ph.Eur.**RPE**

Description Orange crystalline powder H2SO4-insoluble matter ≤ 500 ppm Phosphate ≤ 200 ppm Fe ≤ 50 ppm
Identification Positive Chloride ≤ 100 ppm Assay (oxidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
436081	50 g	Glass bottle	
436082	500 g	Glass bottle	

**Cerium (IV) ammonium nitrate 0.1 mol/l**

• Cerio ammonio nitrato ico 0.1 mol/l • Cérium (IV) ammonium nitrate 0.1 mol/l • Cerio (IV) amonio nitrato 0.1 mol/l • Cer (IV) ammoniumnitrát 0.1 mol/l

$Ce(NH_4)_2(NO_3)_6$
Molecular Weight: 548,22
CAS: 16774-21-3

Classification transport

ONU: 3093
Transport Hazard class: 8
Packing group II

**Danger**

H272-H290-H315-H318
P210-P280-P305+P351+P338-P310a-P362+P364-P332+P313

Cerium (IV) ammonium nitrate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613000100	1 l	Glass bottle	Ref Ph.Eur 3000100

Storage: protected from light**Cerium (IV) ammonium nitrate 0.01 mol/l**

• Cerio ammonio nitrato ico 0.01 mol/l • Cérium (IV) ammonium nitrate 0.01 mol/l • Cerio (IV) amonio nitrato 0.01 mol/l • Cer (IV) ammoniumnitrát 0.01 mol/l

$Ce(NH_4)_2(NO_3)_6$
Molecular Weight: 548,22
CAS: 16774-21-3

Cerium (IV) ammonium nitrate 0.01 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613000200	1 l	Plastic bottle	Ref Ph.Eur 3000200

Storage: protected from light



Cerium (IV) ammonium sulfate dihydrate

- Cerio ammonio solfato ico diidrato • Cérium (IV) ammonium sulfate dihydraté
- Cerio (IV) amonio solfato diidrato • Cer (IV) ammoniumsulfatdihydrat

Synonym:
Ceric ammonium sulfate

$Ce(NH_4)_4(SO_4)_4 \cdot 2H_2O$
Molecular Weight: 632,54
CAS: 10378-47-9



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Cerium (IV) ammonium sulfate dihydrate > RPE - For analysis - ACS

RPE

Description Yellow-orange powder Insoluble in diluted sulphuric acid ≤ 0.05 % Fe ≤ 100 ppm
Identification Positive Phosphate ≤ 0.03 % Assay (oxidimetric) ≥ 94 %

Code	Size	Packaging	Notes
436091	100 g	Glass bottle	
436092	500 g	Glass bottle	



Cerium (IV) ammonium sulfate 0.1 mol/l

- Cerio ammonio solfato ico 0.1 mol/l • Cérium (IV) ammonium sulfate 0.1 mol/l • Cerio (IV) amonio solfato 0.1 mol/l • Cer (IV) ammoniumsulfat 0.1 mol/l

$Ce(NH_4)_4(SO_4)_4 \cdot 2H_2O$
Molecular Weight: 632,54
CAS: 10378-47-9

Classification transport

ONU: 2796
Transport Hazard class: 8
Packing group II



Warning

H290-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Cerium (IV) ammonium sulfate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613000301	250 ml	Plastic bottle	Ref Ph.Eur 3000300
613000300	1 l	Plastic bottle	Ref Ph.Eur 3000300



Cerium (IV) ammonium sulfate 0.01 mol/l

- Cerio ammonio solfato ico 0.01 mol/l • Cérium (IV) ammonium sulfate 0.01 mol/l • Cerio (IV) amonio solfato 0.01 mol/l • Cer (IV) ammoniumsulfat 0.01 mol/l

$Ce(NH_4)_4(SO_4)_4 \cdot 2H_2O$
Molecular Weight: 632,54
CAS: 10378-47-9

Cerium (IV) ammonium sulfate 0.01 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613000400	1 l	Plastic bottle	Ref Ph.Eur 3000400



Cerium (IV) sulfate tetrahydrate

- Cerio solfato ico tetraidrato • Cérium (IV) sulfate tétrahydraté • Cerio (IV) solfato tetrahidrato
- Cer (IV) sulfattetrahydrat

Synonym:
Ceric sulfate tetrahydrate

$Ce(SO_4)_2 \cdot 4H_2O$
Molecular Weight: 404,3
CAS: 10294-42-5
EEC-N: 237-029-5



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Cerium (IV) sulfate tetrahydrate > RE - Pure

RE

Description Yellow powder Chloride ≤200 ppm Fe ≤500 ppm
Identification Positive Heavy metals (Pb) ≤50 ppm Assay (oxidimetric) ≥98 % s.s.

Code	Size	Packaging	Notes
436402	25 g	Glass bottle	
436404	100 g	Glass bottle	

**Cerium (IV) sulfate 0.1 mol/l**

• Cerio solfato ico 0.1 mol/l • Cérium (IV) sulfate 0.1 mol/l • Cerio (IV) sulfato 0.1 mol/l • Cer (IV) sulfat 0.1 mol/l

Ce(SO₄)₂ · 4H₂O
Molecular Weight: 404,3
CAS: 10294-42-5**Classification transport**
ONU: 2796
Transport Hazard class: 8
Packing group II**Danger**
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Cerium (IV) sulfate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2**

RS

Code	Size	Packaging	Notes
613001101	500 ml	Plastic bottle	Ref Ph.Eur 3001100
613001100	1 l	Plastic bottle	Ref Ph.Eur 3001100

Cerium (IV) sulfate 0.1 mol/l > RPE - For analysis

RPE

Code	Size	Packaging	Notes
436426	500 ml	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis**Cesium standard solution**

• Cesio standard soluzione • Césium standard solution • Cesio, solución patrón • Caesium-Standardlösung

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III**Cesium standard solution > RS - Standard solution for ICP-MS**

RS

Code	Size	Packaging	Notes
505572	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505575	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Cesium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503531	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503533	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503535	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503537	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Cesium standard solution > RS - Standard solution for AAS**

RS

Code	Size	Packaging	Notes
507532	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507499	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Cesium chloride

• Cesio cloruro • Césium chlorure • Cesio cloruro • Cäsiumchlorid

CsCl
Molecular Weight: 168,36
CAS: 7647-17-8
EEC-N: 231-600-2



Warning

H312
P280h-P302+P352a-P312a-P362+P364-P501a

Cesium chloride > RPE - For analysis

RPE

Description	White crystalline powder	Ba	≤ 10 ppm	K	≤ 30 ppm	Rb	≤ 50 ppm
Identification	Positive	Ca	≤ 10 ppm	Mg	≤ 5 ppm	Sr	≤ 10 ppm
Sulphate	≤ 25 ppm	Cr	≤ 2 ppm	Na	≤ 50 ppm	Assay (argentimetric)	≥ 99 %
SiO ₂	≤ 2 ppm	Fe	≤ 5 ppm	Mn	≤ 5 ppm		
Al	≤ 1 ppm	Li	≤ 1 ppm	Pb	≤ 5 ppm		

Code	Size	Packaging	Notes
436502	25 g	Glass bottle	
436501	50 g	Glass bottle	



Cesium chloride 25 g/l solution

• Cesio cloruro 25 g/L soluzione • Césium chlorure 25 g/l • Cesio cloruro solución 25 g/l • Caesiumchlorid 25 g/l Lösung

CsCl
Molecular Weight: 168,36
CAS: 7647-17-8

HEU210

Cesium chloride 25 g/l solution > RS - Ionisation standard solution for AAS

RS

Code	Size	Packaging	Notes
504536	500 ml	Plastic bottle	Matrix: Water



Cesium sulfate

• Cesio solfato • Césium sulfate • Cesio sulfato • Cäsiumsulfat

Cs₂SO₄
Molecular Weight: 361,87
CAS: 10294-54-9
EEC-N: 233-662-6

Cesium sulfate > RPE - For analysis

RPE

Description	White crystalline powder	Heavy metals (Pb)	≤ 20 ppm	K	≤ 500 ppm	Zn	≤ 50 ppm
Identification	Positive	Al	≤ 5 ppm	Mg	≤ 5 ppm	Assay (acidimetric)	≥ 99 %
Total nitrogen	≤ 30 ppm	Ca	≤ 100 ppm	Na	≤ 200 ppm		
Chloride	≤ 40 ppm	Cu	≤ 5 ppm	Ni	≤ 5 ppm		
Water-insoluble matter	≤ 50 ppm	Fe	≤ 3 ppm	Pb	≤ 5 ppm		

Code	Size	Packaging	Notes
436534	25 g	Glass bottle	



Cetyl alcohol

• Alcole cetilico • Alcool cétylique • Alcohol cetílico • Cetylalkohol

Synonym:
1-Hexadecanol

CH₃(CH₂)₁₄CH₂OH
Molecular Weight: 242,44
CAS: 36653-82-4
EEC-N: 253-149-0



Warning

H315
P264-P280g-P302+P352a-P332+P313-P362+P364

Cetyl alcohol > RPE - For analysis

RPE

Description	Polvere cristallina bianca o incolore	Residue on ignition	≤ 0.1 %	Assay (GLC)	≥ 95.0 %
Identification	Positive	Melting point	47 ÷ 50 °C		

Code	Size	Packaging	Notes
414427	1 kg	Plastic bottle	

Cetyl alcohol > ERBApharm - According to pharmacopoeia: NF-Ph.Eur.-Ph.Franc.**ERBApharm**

Description White powder and flakes Melting point 46 ÷ 52 °C Hydroxyl value 218 ÷ 238 Assay (GLC) ≥ 95 %
 Identification Positive Acid value ≤ 1.0 Saponification value ≤ 2.0 Origin (BSE/TSE) Vegetable
 Appearance of solution Conform Ph.Eur. Iodine value ≤ 2.0 Water content ≤ 0.5 %

Code	Size	Packaging	Notes
308357	1 kg	Plastic bottle	
308358	5 kg	Plastic tank	
308359	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Charcoal activated**

• Carbone attivo • Charbon actif • Carbón activado • Holzkohle aktiviert

Synonym:
Carbon

C
 Molecular Weight: 12,01
 CAS: 7440-44-0
 EEC-N: 931-328-0

Charcoal activated > RS - For chromatography**RS**

Description Black powder Identification Positive Loss on drying ≤ 10 %

Code	Size	Packaging	Notes
434455	250 g	Bag	
434454	1 kg	Bag	

Charcoal activated > RS - For microanalysis**RS**

Description Black fine powder Identification Positive

Code	Size	Packaging	Notes
434462	50 g	Glass bottle	

Charcoal activated > RE - Pure - For synthesis**RE**

Code	Size	Packaging	Notes
P4610017	1 kg	Plastic bottle	Granular

For specifications, contact our customer service for a certificate of analysis

**Charcoal decolorizing**

• Carbone decolorante • Charbon décolorant • Carbón decolorante • Entfärbung von Holzkohle

Synonym:
Carbon

C
 Molecular Weight: 12,01
 CAS: 7440-44-0
 EEC-N: 931-328-0

Charcoal decolorizing > RPE - For analysis**RPE**

Description Black fine powder pH 10 - 11 Ash ≤ 7 %
 Identification Positive Loss on drying ≤ 10 %

Code	Size	Packaging	Notes
434507	1 kg	Bag	
434501	20 kg	Fibre drum	

	Charcoal vegetable • Carbone vegetale • Charbon végétal • Carbón vegetal • Holzkohlegemüse	Synonym: Carbon
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C
Molecular Weight: 12,01
CAS: 7440-44-0
EEC-N: 931-328-0

Charcoal vegetable > RE - Pure**RE**

Description Black fine powder Identification Positive

Code	Size	Packaging	Notes
332658	2.5 kg	Bag	
332659	5 kg	Plastic bucket	

	Chloral hydrate • Cloralio idrato • Chloral hydraté • Cloral hidrato • Hydriertes Chloral
---	---

$\text{Cl}_3\text{CCH}(\text{OH})_2$
Molecular Weight: 165,4
CAS: 302-17-0

Classification transport
ONU: 2810
Transport Hazard class: 6.1
Packing group III



Danger
H301-H315-H319
P301+P310a-P330-P305+P351+P338-P362+P364-P332+P313-P337+P313

Chloral hydrate > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611017901	100 ml	Plastic bottle	Ref Ph.Eur 1017901

	Chloramine T sodium salt • Cloramina T sale sodico • Chloramine T sel sodique • Cloramina T sódica • Chloramins-T-Natriumsalz	Synonym: N-Chloro-p-toluenesulfonamide sodium salt
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$\text{CH}_3\text{C}_6\text{H}_4\text{SO}_2\text{NCINa}\cdot 3\text{H}_2\text{O}$
Molecular Weight: 227,65
CAS: 7080-50-4
EEC-N: 615-172-8

Classification transport
ONU: 3263
Transport Hazard class: 8
Packing group III



Danger
H302-H314-H334-HEU031
P280-P284-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P342+P311a

Chloramine T sodium salt > RPE - For analysis**RPE**Description White crystalline powder pH solution 5% 8.0 ÷ 10.3 Torbidità (0.5% in acqua) ≤ 5 FTU
Identification Positive Colore soluzione 5% ≤ 25 APHA Assay (iodometric) ≥ 97.5 %

Code	Size	Packaging	Notes
437555	25 g	Glass bottle	
437554	100 g	Plastic bottle	
437557	1 kg	Plastic bottle	
437551	25 kg	Fibre drum	

For determination of: Co, Cr, Fe, Hg, Mn, Ni, Sb

	Chloranil • Cloranile • Chloranile • Cloranilo • Chloranil	Synonym: • Tetrachloro-1,4-benzoquinone • Tetrachloro-p-benzoquinone
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COCCl:CClOCCl:CCl
Molecular Weight: 245,89
CAS: 118-75-2
EEC-N: 204-274-4

Classification transport
ONU: 3077
Transport Hazard class: 9
Packing group III



Warning
H315-H319-H410
P264-P280a-P305+P351+P338-P332+P313-P362+P364-P337+P313

Chloranil > RPE - For analysis**RPE**

Description Yellow to yellow-green powder or crystals Identification Positive Assay (HPLC) ≥ 98.5 % Loss on drying ≤ 0.5 %

Code	Size	Packaging	Notes
437601	50 g	Glass bottle	

Reagent for the dehydrogenation of hydroaromatic compounds

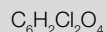


Chloranilic acid

• Acido cloranilico • Acide chloranilique • Acido cloranilico • Chloranilsäure

Synonym:

2,5-Dichloro-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dione



Molecular Weight: 208,99

CAS: 87-88-7

EEC-N: 201-780-7



Warning

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

Chloranilic acid > RPE - For analysis

RPE

DescriptionRed brick powder Loss on drying≤1 % Heavy metals (Pb).....≤20 ppm Assay (argentimetric).....≥99 %
 IdentificationPositive Chloride.....≤50 ppm Residue on ignition.....≤0.1 %

Code	Size	Packaging	Notes
403821	10 g	Glass bottle	
403822	100 g	Glass bottle	



Chlorate standard solution

• Clorati standard soluzione • Chlorate standard solution • Clorato, solución patrón • Chlorat-Standardlösung

Chlorate standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503181	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503183	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Chloride standard solution

• Cloruri standard soluzione • Chlorure standard solution • Cloruro, solución patrón • Chlorid-Standardlösung

Chloride standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615000901	100 ml	Plastic bottle	A 5 ppm solution: to dilute according to Ref Ph.Eur 5000901
615000909	100 ml	Plastic bottle	A 8 ppm solution: to dilute according to Ref Ph.Eur 5000900
615004100	100 ml	Plastic bottle	A 50 ppm solution: to dilute according to Ref Ph.Eur 5004100

Chloride standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503231	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503233	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Chlorite standard solution

• Cloriti standard soluzione • Chlorite standard solution • Clorita, solución patrón • Chlorit-Standardlösung

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group III

Chlorite standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503191	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503193	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Chloroacetamide

• 2-Chloroacetamide • Chloroacétamide • Cloroacetamida • Chloracetamid

$\text{CH}_2\text{ClCONH}_2$
Molecular Weight: 93,51
CAS: 79-07-2
EEC-N: 201-174-2

Classification transport
ONU: 2811
Transport Hazard class: 6.1
Packing group III



Danger
H301-H317-H361f
P261-P280-P301+P310a-P330-P308+P313-P362+P364

Chloroacetamide > RPE - For analysis

RPE

Description White crystalline powder Melting point $116 \div 120 \text{ }^\circ\text{C}$ Assay (GLC) $\geq 97.5 \%$
Identification Positive Water $\leq 0.2 \%$

Code	Size	Packaging	Notes
437704	100 g	Glass bottle	



Chloroacetic acid

• Acido cloroacetico • Acide chloroacétique • Acido cloroacetico • Chloressigsäure

Synonym:
Monochloroacetic acid

CH_2ClCOOH
Molecular Weight: 94,5
CAS: 79-11-8
EEC-N: 201-178-4

Classification transport
ONU: 1751
Transport Hazard class: 6.1
Packing group II



Danger
H301-H311-H331-H314-H400
P280-P301+P330+P331-P303+P361+P353-P304+P340-P311a-P305+P351+P338-P361+P364-P403+P233

Chloroacetic acid > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White flakes Identification Positive Melting point $61 \div 63 \text{ }^\circ\text{C}$ Assay (acidimetric) $\geq 98.5 \%$

Code	Size	Packaging	Notes
404308	500 g	Plastic bottle	



p-Chlorobenzaldehyde

• p-Chlorobenzaldeide • p-Chlorobenzaldéhyde • p-Clorobenzaldehido • p-Chlorbenzaldehyd

$\text{ClC}_6\text{H}_4\text{CHO}$
Molecular Weight: 140,57
CAS: 104-88-1
EEC-N: 203-247-4



Warning
H302-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

p-Chlorobenzaldehyde > RPE - For analysis

RPE

Description White crystalline mass Melting point $46.0 \div 48.0 \text{ }^\circ\text{C}$ Assay (GLC) $99 \div 100 \%$
Identification Positive Residue on ignition $\leq 100 \text{ ppm}$

Code	Size	Packaging	Notes
438203	50 g	Glass bottle	



Chlorobenzene

• Clorobenzene • Chlorobenzène • Clorobenceno • Chlorbenzol

$\text{C}_6\text{H}_5\text{Cl}$
Molecular Weight: 113
CAS: 108-90-7
EEC-N: 203-628-5

Classification transport
ONU: 1134
Transport Hazard class: 3
Packing group III



Warning
H226-H332-H315-H411
P210-P241-P261-P280-P303+P361+P353-P304+P340

Chlorobenzene > RPE - For analysis

RPE

Description Clear colourless liquid Density at $20 \text{ }^\circ\text{C}$ $1.103 \div 1.109$ Residue on evaporation $\leq 30 \text{ ppm}$ o- Dichlorobenzene $\leq 0.01 \%$
Identification Positive Refractive index at $20 \text{ }^\circ\text{C}$ $1.5198 \div 1.5298$ Acidity (HCl) $\leq 3 \text{ ppm}$ Free chlorine $\leq 0.1 \text{ ppm}$
Alcohol miscibility Complete Boiling point $131 \div 133 \text{ }^\circ\text{C}$ Benzene $\leq 200 \text{ ppm}$ Assay (GLC) $\geq 99.9 \%$
Diethyl ether miscib. Complete Water (K.F.) $\leq 200 \text{ ppm}$ p- Dichlorobenzene $\leq 0.02 \%$

Code	Size	Packaging	Notes
438251	1 l	Glass bottle	
438255	2.5 l	Glass bottle	
438253	25 kg	Drum	

Chlorobenzene > RE - Pure

RE

Description	Yellow clear liquid	Density at 20° C	1.103 ÷ 1.109	Free acid (HCl)	≤10 ppm	Residue on evaporation	≤50 ppm
Identification	Positive	Refractive index at 20°C	1.5198 ÷ 1.5298	Benzene	≤200 ppm	Assay (GLC)	≥99.9 %
Titration base	Conform	Boiling point	131.5 ÷ 132.5 °C	Water (K.F.)	≤500 ppm		

Code	Size	Packaging	Notes
334251	1 l	Glass bottle	
334255	2.5 l	Glass bottle	
334254	30 kg	Metal drum	

1-Chlorobutane ▶ n-Butyl chloride



Chlorobutanol hemihydrate

- Clorobutanolo emiidrato • Chlorobutanol hémihydrate • Clorobutanol hemihidrat
- Chlorobutanol Hemihydrat

Synonym:
β,β,β-Trichloro-t-butanol

(CH₃)₂COHCCl₃·1/2H₂O
 Molecular Weight: 186,5
 CAS: 6001-64-5
 EEC-N: 200-317-6


Warning

H302-H312-H332-H315-H319
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P337+P313

Chlorobutanol hemihydrate > ERBapharm - According to pharmacopoeia: BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBapharm

Description ...	Colourless crystalline powder	Impurity B (acetone) (Ph.Eur.)	≤ 0.10 %	Chloride	≤100 ppm	Residual solvents (Current ICH)	Conform
Identification	Positive	Acidity	Conform Ph.Eur.	Assay (argentimetric)	98.0 ÷ 101.0 % s.s.	Reaction	Conform USP-NF
Appearance of solution	Conform Ph.Eur.	Water (K.F.)	4.5 ÷ 5.5 %	Assay (USP)	98.0 - 100.5 % (d.s.)		
Impurity A (chloroform) (Ph.Eur.)	≤ 60 ppm	Sulphated ash	≤0.1 %	Origin (BSE/TSE)	Synthesis		

Code	Size	Packaging	Notes
301357	1 kg	Plastic bottle	
301356	5 kg	Plastic tank	

This product should be used in compliance with the current legislation.

1-Chloro-2,4-dinitrobenzene ▶ 2,4-Dinitrochlorobenzene



Chloroform

- Cloroformio • Chloroforme • Cloroformo • Chloroform

Synonym:

- Methyldine trichloride
- Trichloromethane

CHCl₃
 Molecular Weight: 119,38
 CAS: 67-66-3
 EEC-N: 200-663-8

Classification transport

ONU: 1888
 Transport Hazard class: 6.1
 Packing group III


Danger

H302-H331-H315-H319-H351-H361d-H372-HEU301
 P280-P304+P340-P305+P351+P338-P308+P313-
 P330-P362+P364-P403+P233

Chloroform > RS - For HPLC - Isocratic grade - Stabilized with amylene

RS

Description	Clear colourless liquid	Water (K.F.)	≤ 100 ppm	Transmittance		Methylene chlorure	≤ 50 ppm
Identification (I.R.)	Positive	Residue on evaporation	≤ 5 ppm	At 250 nm	≥ 50 %	Stabilized with amylene	≤ 60 ppm
Density at 20°C	1.479 - 1.483	Acidity	≤ 0.0005 meq/g	At 260 nm	≥ 90 %		
Refractive index at 20°C	1.4456 - 1.4496	Alkalinity	≤ 0.0002 meq/g	At 275 nm	≥ 98 %		
Boiling point	61.0 - 61.5 °C	Assay (CPG)	≥ 99.9 %	Carbon tetrachloride	≤ 100 ppm		

Code	Size	Packaging	Notes
412571	1 l	Glass bottle	
412572	2.5 l	Glass bottle	

Chloroform > RS - For HPLC - Isocratic grade - Stabilized with ethanol

RS

Description	Clear colourless liquid	Boiling point	61.0 ÷ 61.5 °C	Alkalinity	≤0.0002 meq/g	at 260 nm	≥90 %
Identification	Positive	Water (K.F.)	≤ 100 ppm	Assay (GLC)	≥99.9 %	at 275 nm	≥98 %
Density at 20° C	1.479 ÷ 1.483	Residue on evaporation	≤5 ppm	U.V. Transmittance		Carbon tetrachloride	≤ 100 ppm
Refractive index at 20°C	1.444 ÷ 1.448	Acidity	≤0.0005 meq/g	at 250 nm	≥50 %	Methylene chlorure	≤ 50 ppm

Code	Size	Packaging	Notes
412652	1 l	Glass bottle	
412653	2.5 l	Glass bottle	

Chloroform > RS - For preparative HPLC - Stabilized with ethanol

RS

Description	Clear colourless liquid	Boiling point.....	61.0 ÷ 61.5 ° C	Assay (GLC)	≥99.0 %	Stabilized with ethyl alcohol	0.6 ÷ 1.0 %
Identification	Positive	Water (K.F.)	≤500 ppm	U.V. Transmittance			
Density at 20° C	1.479 ÷ 1.483	Residue on evaporation	≤5 ppm	at 250 nm	≥50 %		
Refractive index at 20°C.....	1.4456 ÷ 1.4496	Alcalinity.....	≤0.0002 meq/g	at 275 nm	≥98 %		

Code	Size	Packaging	Notes
438641	2.5 l	Glass bottle	

Chloroform > RS - For GC-MS - Stabilized with ethanol

RS

Appearance	Clear colourless liquid	Residue on evaporation	≤ 3 ppm	Carbon tetrachloride	≤ 100 ppm	Ret. range n-undecane to n-tetracontane
Refractive index at 20°C.....	1.444 - 1.448	Acidity (HCl)	≤ 5 ppm	Dichloromethane.....	≤ 100 ppm	
Water (K.F.)	≤ 100 ppm	Assay (GC) (without stabilizer) ...	≥ 99.95 %	GC-MS.Individual peak (n-hexadecane). ≤ 2		
Colour	≤ 10 APHA	Stabilizer (Ethanol).....	0.4 - 1.0 % (w/w)	µg/L		

Code	Size	Packaging	Notes
438732	1 l	Glass bottle	

Chloroform > RS - ATRASOL - For analysis of volatile traces - Stabilized with ethanol

RS

Appearance	Clear colourless liquid	Dichloromethane	≤ 100 mg/Kg	Free acid (as HCl)	≤ 5 mg/Kg	µg/L
Refractive index at 20°C.....	1.444 - 1.448	Non volatile residue	≤ 3 mg/Kg	GC-ECD.Individual peak (Lindane) . ≤ 2 ng/L		Ret.range n-undecane to n-tetracontane
Water content (K.F.)	≤ 100 mg/Kg	GC (FID) - NC Atrasol	Conform	Ret.range 1,2,4-trichlorobenzene		
Colour	≤ 10 Hazen	Carbon tetrachloride	≤ 100 mg/Kg	to decachlorobiphenyle		
Stabilizer (Ethanol).....	0.4 - 1 % m/m	Assay (GC) (without stabilizer) ...	≥ 99.95 %	GC-FID.Individual peak (n-hexadecane). ≤ 2		

Code	Size	Packaging	Notes
P02432E16	1 l	Glass bottle	
P02432E21	2.5 l	Glass bottle	

Chloroform > RS - PESTIPUR - For pesticide analysis - Stabilized with amylene

RS

Refractive index at 20°C.....	1.444 - 1.448	Stabilizer (Amylene).....	5 - 50 mg/Kg	Assay (GC)	≥ 99.9 %	GC-NPD.Individual peak (Ethylparathion) ≤ 3
Water content (K.F.)	≤ 100 mg/Kg	Free acid (as HCl)	≤ 5 mg/Kg	GC-ECD.Individual peak (Lindane) . ≤ 3 ng/l		ng/l
Colour	≤ 10 Hazen	Non volatile residue	≤ 5 mg/Kg	Retention time trichlorobenzene to mirex		Retention time Atrazin to Coumaphos

Code	Size	Packaging	Notes
438681	1 l	Glass bottle	
438682	2.5 l	Glass bottle	

For chlorinated and nitrogenous compounds analysis

Chloroform > RS - PESTIPUR - For pesticide analysis - Stabilized with ethanol

RS

Description	Clear liquid	Water	≤ 0.01 %	GC-ECD (Lindano)	≤ 3 ng/l
Colour	≤ 10 hazen	Acidity (HCl)	≤ 5 ppm	GC-NPD (Ethylparation)	≤ 3 ng/l
Identification	Positive	Not volatile residue.....	≤ 5 ppm	Assay (GLC)	≥ 99.9 %

Code	Size	Packaging	Notes
438651	1 l	Glass bottle	
438652	2.5 l	Glass bottle	

Chloroform > RS - SPECTROSOL - For optical spectroscopy - Stabilized with amylene

RS

Clear, colourless liq. appearance	Conform	Water content (K.F.)	≤ 100 mg/Kg	Carbon tetrachloride.....	≤ 100 mg/Kg	UV transmittance at 280 nm	≥ 95 %
Identification	Conform	Free acid (as HCl)	≤ 5 mg/Kg	Dichloromethane.....	≤ 100 mg/Kg	Assay (GC)	≥ 99.9 %
Colour	≤ 10 Apha	Non volatile residue	≤ 5 mg/Kg	UV transmittance at 250 nm	≥ 50 %		
Refractive index at 20°C.....	1.444 - 1.448	Stabilizer (Amylene).....	5 - 50 mg/Kg	UV transmittance at 260 nm	≥ 85 %		

Code	Size	Packaging	Notes
438591	1 l	Glass bottle	
438592	2.5 l	Glass bottle	

Chloroform > RS - SPECTROSOL - For optical spectroscopy - Stabilized with ethanol

RS

Description	Clear liquid	Water (K.F.)	≤100 ppm	at 254 nm	≤2 ppb	at 275 nm	≥98 %
Colour (APHA)	≤10	Residue on evaporation	≤5 ppm	at 365 nm	≤2 ppb	Stabilized with ethyl alcohol	0.6 ÷ 1.0 %
Identification	Positive	Acidity (HCl)	≤0.0005 meq/g	U.V. Transmittance		Carbon tetrachloride	≤ 100 ppm
Density at 20° C	1.479 ÷ 1.483	Alcalinity	≤0.0002 meq/g	at 245 nm	≥15 %		
Refractive index at 20°C	1.4461 ÷ 1.4491	Assay (GLC)	≥99.9 %	at 250 nm	≥50 %		
Boiling point	61.0 ÷ 61.5 ° C	Fluorescence		at 260 nm	≥90 %		

Code	Size	Packaging	Notes
438664	1 l	Glass bottle	
438662	2.5 l	Glass bottle	

Chloroform > RS - Anhydrous - For analysis - Stabilized with amylene

RS

Refractive index at 20°C	1.444 - 1.448	Colour	≤ 10 Hazen	Stabilizer (Amylene)	5 - 50 mg/Kg	1,2-dichloroethane	≤ 10 mg/Kg
Water content (K.F.)	≤ 50 mg/Kg	Free acid (as HCl)	≤ 5 mg/Kg	Carbon tetrachloride	≤ 80 mg/Kg		
Non volatile residue	≤ 10 mg/Kg	Assay (GC)	≥ 99.95 %	Dichloromethane	≤ 50 mg/Kg		

Code	Size	Packaging	Notes
P02410A10	200 ml	Bottle with septum	
P02410A16	1 l	Glass bottle	
P02410A21	2.5 l	Glass bottle	
P02410AT21	2.5 l	Glass bottle	On molecular sieves 4A

Chloroform > RS - Anhydrous - For analysis - Stabilized with ethanol

RS

Refractive index at 20°C	1.444 - 1.448	Colour	≤ 10 Hazen	Free acid (as HCl)	≤ 5 mg/Kg	1,2-dichloroethane	≤ 10 mg/Kg
Water content (K.F.)	≤ 50 mg/Kg	Assay (GC) (without stabilizer) ...	≥ 99.95 %	Carbon tetrachloride	≤ 80 mg/Kg		
Non volatile residue	≤ 10 mg/Kg	Stabilizer (Ethanol)	0.6 - 1 % m/m	Dichloromethane	≤ 100 mg/Kg		

Code	Size	Packaging	Notes
P02410E10	200 ml	Bottle with septum	
P02410E16	1 l	Glass bottle	
P02410E21	2.5 l	Glass bottle	

Chloroform > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP - Stabilized ethanol

RPE

Description	Clear liquid	Acidità e cloruri	Conform ACS	Residue on evaporation	≤5 ppm	Cu	≤0.01 ppm
Colour (APHA)	≤10	Suit.for Dithizone col.....	Conform ACS	Acidity (HCl)	≤5 ppm	Fe	≤0.1 ppm
Identification (I.R.)	Conform	Density at 20° C	1.477 ÷ 1.481	Ethyl alcohol	0.6 ÷ 1 %	Pb	≤0.01 ppm
Phosgene	Conform	Refractive index at 20°C	1.4461 ÷ 1.4491	Chloride	≤0.4 ppm	Zn	≤0.05 ppm
Ready carbonizable substances.....	Conform	Boiling point	60.5 ÷ 61.5 ° C	Free chlorine	≤0.1 ppm	Assay (GLC)	≥99.9 %
Acetone and aldehydes	Conform ACS	Water (K.F.)	≤100 ppm	Carbonyl Compounds (CO)	≤5 ppm		

Code	Size	Packaging	Notes
438613	1 l	Glass bottle	
438614	2.5 l	Glass bottle	
438612	5 l	Plastic tank	

Chloroform > RPE - For analysis - ISO - Stabilized with ethanol

RPE

Description	Clear liquid	Alcohol miscibility	Complete	Water (K.F.)	≤300 ppm	Cu	≤0.01 ppm
Colour (APHA)	≤10	Benzene miscibility	Complete	Residue on evaporation	≤5 ppm	Fe	≤0.1 ppm
Identification (I.R.)	Conform	Diethyl ether miscib.	Complete	Acidity (HCl)	≤5 ppm	Pb	≤0.01 ppm
Free chlorine	Conform	Density at 20° C	1.479 ÷ 1.483	Ethyl alcohol	0.6 ÷ 1.0 %	Zn	≤0.05 ppm
Phosgene	Conform	Refractive index at 20°C	1.4461 ÷ 1.4491	Chloride	≤0.4 ppm	Assay (GLC)	≥99.9 %
Ready carbonizable substances.....	Conform	Boiling point	61.0 ÷ 61.5 ° C	Carbonyl Compounds (CO)	≤5 ppm		

Code	Size	Packaging	Notes
438601	1 l	Glass bottle	
438603	2.5 l	Glass bottle	
438607	35 kg	Aluminium can	
438606	250 kg	Metal drum	

Chloroform > RPE - For analysis - Stabilized with amylene

RPE

Clear, colourless liq. appearance Conform	Refractive index at 20°C 1.444 - 1.448	Non volatile residue ≤ 10 mg/Kg	Dichloromethane ≤ 50 mg/Kg
Identification Conform	Water content (K.F.) ≤ 100 mg/Kg	Stabilizer (Amylene) 5 - 50 mg/Kg	1,2-dichloroethane ≤ 10 mg/Kg
Colour ≤ 10 Apha	Free acid (as HCl) ≤ 5 mg/Kg	Carbon tetrachloride ≤ 80 mg/Kg	Assay (GC) ≥ 99.95 %

Code	Size	Packaging	Notes
438581	1 l	Glass bottle	
438582	2.5 l	Glass bottle	
P02405A28	5 l	Plastic tank	

Chloroform > ERBApharm - According to pharmacopoeia: BP - Stabilized with ethanol

ERBApharm

Description Clear colourless liquid	Chloride Conform BP	Related substances (CPG)	Total impurities ≤ 1.0 %v/v
Identification Positive	Aldehyde Conform BP	Bromochloromethane ≤ 0.5 %v/v	Ethanol 1.0 ÷ 2.0 % (v/v)
Acidity or alkalinity Conform BP	Density at 20° C 1.474 ÷ 1.479	Methylene chlorure ≤ 0.2 %v/v	Origin (BSE/TSE) Synthesis
Foreign chlorin. comp. Conform BP	Residue on evaporation ≤ 40 ppm p/v	Carbon tetrachloride ≤ 0.2 %v/v	Assay GC (without stabilizer) ≥ 99.9 %
Free chlorine Conform BP	Distillation range Pass test**	Any single impurity ≤ 0.2 %v/v	

Code	Size	Packaging	Notes
334351	1 l	Glass bottle	
334353	2.5 l	Glass bottle	
334356	25 kg	Plastic tank	
529301	200 l	Metal drum	
334354	250 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Chloroform > RE - Pure - Stabilized with amylene

RE

Description Clear colourless liquid	Density at 20°C 1.478 ÷ 1.488	Acidity (HCl) <10 ppm	Assay (GLC) ≥ 99.9 %
Color <10 APHA	Refractive index at 20°C. 1.4461 ÷ 1.4491	Residue on evaporation ≤ 20 ppm	Amylene ≤ 60 ppm
Identity (IR) Positive	Boiling point 61 ÷ 61.5 °C	Water (K.F.) ≤ 300 ppm	

Code	Size	Packaging	Notes
528326	1 l	Glass bottle	
528328	2.5 l	Glass bottle	
528325	5 l	Plastic tank	
528329	25 l	Metal drum	
528327	200 l	Metal drum	

Chloroform > RE - Pure - Stabilized with ethanol

RE

Description Clear colourless liquid	Density at 20°C 1.478 ÷ 1.488	Acidity (HCl) ≤ 50 ppm	Water (K.F.) ≤ 0.03 %
Color ≤ 10 APHA	Refractive index at 20°C. 1.4461 ÷ 1.4491	Ethyl alcohol 0,6 ÷ 1 %	Assay (GLC) ≥ 99 %
Identity (IR) Positive	Boiling point 61,0 ÷ 61,5 °C	Residue on evaporation ≤ 20 ppm	Stab with 0,8 % ethanol

Code	Size	Packaging	Notes
508320	1 l	Glass bottle	
508321	5 l	Plastic tank	
P02402E40	10 l	Metal drum	
P02402E48	25 l	Metal drum	
508322	200 l	Metal drum	

**Chloroform-d**

• Cloroformio-d • Chloroforme-d • Cloroformo-d • Chloroform-d1

Synonym:
DeuteriochloroformCDCl₃
Molecular Weight: 120,37
CAS: 865-49-6
EEC-N: 200-663-8**Classification transport**
ONU: 1888
Transport Hazard class: 6.1
Packing group III**Danger**H302-H331-H315-H319-H351-H361d-H372-HEU301
P280-P304+P340-P305+P351+P338-P308+P313-
P330-P362+P364-P403+P233**Chloroform-d > RS - For NMR - min 99.95%**

RS

Code	Size	Packaging	Notes
P5130	10 x 0.6 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis**Chloroform-d > RS - For NMR - min 99.95% - Stabilized with 0.12% Ag**

RS

Code	Size	Packaging	Notes
P5505	100 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Chloroform-d > RS - For NMR - min 99.8%**

RS

Code	Size	Packaging	Notes
P5119	10 x 0.75 ml	Glass ampoule	
P5115	25 ml	Glass bottle	
P5116	100 ml	Glass bottle	
P5117	500 ml	Glass bottle	
P5118	1 l	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Chloroform-d > RS - For NMR - min 99.8% - Stabilized with 0.12% Ag**

RS

Code	Size	Packaging	Notes
P5325	100 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Chloroform-d + 0.03% TMS**• Cloroformio-d + 0.03% TMS • Chloroforme-d + 0.03% TMS • Cloroformo-d + 0.03% TMS
• Chloroform-d + 0.03% TMSSynonym:
DeuteriochloroformCDCl₃
Molecular Weight: 120,37
CAS: 865-49-6
EEC-N: 200-663-8**Classification transport**
ONU: 1888
Transport Hazard class: 6.1
Packing group III**Danger**H302-H331-H315-H319-H351-H361d-H372-HEU301
P280-P304+P340-P305+P351+P338-P308+P313-
P330-P362+P364-P403+P233**Chloroform-d + 0.03% TMS > RS - For NMR - min 99.8%**

RS

Code	Size	Packaging	Notes
P5006	100 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



4-Chlorophenol

• 4-Clorofenolo • p-Chlorophénol • p-Clorofenol • p-Chlorophenol

$\text{ClC}_6\text{H}_4\text{OH}$
Molecular Weight: 128,56
CAS: 106-48-9
EEC-N: 203-402-6

Classification transport
ONU: 2020
Transport Hazard class: 6.1
Packing group III



Warning
H302-H312-H332-H411
P261-P264-P271-P280h-P301+P312a-P304+P340

4-Chlorophenol > RPE - For analysis - Reag. Ph. Eur.

RPE

DescriptionYellowish crystals IdentificationPositive Water ≤ 0.3 % Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
438504	100 g	Glass bottle	

Chloroplatinic acid hexahydrate ▶ Hexachloroplatinic acid hexahydrate

n-Chloro-p-toluenesulfonamide sodium salt ▶ Chloramine T sodium salt



Chromate standard solution

• Cromati standard soluzione • Chromate standard solution • Cromato, solución patrón • Chromatierte Standardlösung



Danger
H340-H350-H412-HEU203-HEU208-HA26
P201-P273-P280-P308+P313-P405-P501a

Chromate standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503241	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503243	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Chromic anhydride ▶ Chromium (VI) oxide



Chromium standard solution

• Cromo standard soluzione • Chrome standard solution • Cromo, solución patrón • Chrome-Standardlösung

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Chromium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001002	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5001002
615001000	1 l	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5001000

Chromium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505567	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505568	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505569	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Chromium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503521	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503523	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503525	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503527	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Chromium standard solution > RS - Standard solution for AAS

RS

Description Green-grey clear liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
504195	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
507485	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497501	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Chromium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Orange clear liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
440641		Plastic ampoule	conc. 1.000 ppm Matrix: Hydrochloric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Chromium (III) chloride hexahydrate

- Cromo cloruro ico esaidrato • Chrome (III) chlorure hexahydrate • Cromo (III) cloruro hexahidrato
- Chrom (III) chloridhexahydrat

Synonym:

- Chromium trichloride hexahydrate
- Hexaaquachromium (III) chloride

CrCl₃·6H₂O
Molecular Weight: 266,45
CAS: 10060-12-5
EEC-N: 233-038-3



Warning

H302
P264-P270-P301+P312a-P330-P501a

Chromium (III) chloride hexahydrate > RPE - For analysis

RPE

Description Polvere cristallina verde scuro Non precipit. con NH4OH (S04) ≤ 0.2 % Fe ≤ 100 ppm
Identification Positive Ammonium ≤ 100 ppm Pb ≤ 50 ppm
pH solution 5% 2.0 ÷ 3.5 Sulphate ≤ 100 ppm Assay (oxidimetric) ≥ 95.0 %

Code	Size	Packaging	Notes
440724	100 g	Glass bottle	
440727	1 kg	Plastic bottle	



Chromium (III) nitrate nonahydrate

• Cromo nitrato ico nonaidrato • Chrome (III) nitrate nonahydrate • Cromo (III) nitrato nonahidrato • Chrom (III) nitrat Nonahydrat

Cr(NO₃)₃·9H₂O
Molecular Weight: 400,15
CAS: 7789-02-8

Classification transport
ONU: 2720
Transport Hazard class: 5.1
Packing group III



Warning
H272-H332-H317-H411
P210-P220-P261-P271-P280-P304+P340

Chromium (III) nitrate nonahydrate > RPE - For analysis

RPE

Description	Violet crystals	Subst. not ppt NH4OH	≤ 0.2 %	Cu	≤ 10 ppm	Ni	≤ 50 ppm
Identification	Positive	Sulphate	≤ 50 ppm	Fe	≤ 200 ppm	Pb	≤ 20 ppm
pH sol. 5% at 25° C	2.0 ÷ 3.0	Ca	≤ 50 ppm	Mg	≤ 50 ppm	Zn	≤ 10 ppm
Ammonium	≤ 10 ppm	Cd	≤ 10 ppm	Mn	≤ 10 ppm	Assay (oxidimetric)	≥ 12.5 % Cr
Chloride	≤ 20 ppm	Co	≤ 10 ppm	Na	≤ 50 ppm		

Code	Size	Packaging	Notes
440775	250 g	Glass bottle	
440776	1 kg	Glass bottle	



Chromium (III) oxide

• Cromo sesquiossido • Chrome (III) oxyde • Cromo (III) óxido • Chrom (III) oxid

Synonym:
Chromia

Cr₂O₃
Molecular Weight: 151,99
CAS: 1308-38-9
EEC-N: 215-160-9

Chromium (III) oxide > RPE - For analysis

RPE

Description	Green powder	Identification	Positive	Water solubility	≤ 0.2 %	Assay (oxidimetric)	≥ 99 %
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Code	Size	Packaging	Notes
440825	250 g	Plastic bottle	
440827	1 kg	Plastic bottle	
440823	25 kg	Plastic bucket	



Chromium (III) potassium sulfate dodecahydrate

• Cromo (III) di potassio solfato dodecaidrato • Chrome (III) potassium sulfatate dodécahydraté
• Cromo (III) de potasio sulfato dodecahidrato • Chrom (III) kaliumsulfatdodecahydrat

Synonym:
• Chrome alum
• Potassium chromium (III)sulfate dodecahydrate

CrK(SO₄)₂·12H₂O
Molecular Weight: 499,39
CAS: 7788-99-0



Warning
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Chromium (III) potassium sulfate dodecahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Purple crystals	Ammonium	≤100 ppm	Al	≤200 ppm
Identification	Positive	Chloride	≤20 ppm	Fe	≤100 ppm
Water-insoluble matter	≤100 ppm	Heavy metals (Pb)	≤100 ppm	Assay (oxidimetric)	98.0 ÷ 102.0 %

Code	Size	Packaging	Notes
440876	100 g	Plastic bottle	
440877	1 kg	Plastic bottle	



Chromium (III) sulfate

• Cromo solfato ico • Chrome (III) sulfate • Cromo (III) sulfato • Chrom (III) sulfat

Synonym:

- Chromium(III) sulfate hydrate
- Chromium trisulfate

$\text{Cr}_2(\text{SO}_4)_3 \cdot n\text{H}_2\text{O}$
Molecular Weight: 392,18
CAS: 15244-38-9

Classification transport
ONU: 3260
Transport Hazard class: 8
Packing group II



Danger
H302-H312-H332-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364

Chromium (III) sulfate > RPE - For analysis

RPE

Description Green Crystal Assay $\geq 98\%$ Na $\leq 0.01\%$ Ca $\leq 0.01\%$
Identification Positive Chloride $\leq 0.01\%$ Fe $\leq 0.005\%$

Code	Size	Packaging	Notes
440955	250 g	Plastic bottle	
440957	1 kg	Plastic bottle	



Chromium (VI) oxide

• Cromo (VI) ossido • Chrome (VI) oxyde • Cromo (VI) óxido • Chrom (VI) oxid

Synonym:

Chromic anhydride

CrO_3
Molecular Weight: 99,99
CAS: 1333-82-0
EEC-N: 215-607-8

Classification transport
ONU: 1463
Transport Hazard class: 5.1
Packing group II



Danger
H271-H301-H311-H330-H314-H334-H317-H340-
H350-H361f-H372-H410-HA26
P210-P280-P283-P284-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338-
P342+P311a-P403+P233

Chromium (VI) oxide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Purple crystals Chloride ≤ 50 ppm Fe,Al,Ba ≤ 300 ppm
Identification Positive Nitrate ≤ 500 ppm Na $\leq 0.2\%$
Water-insoluble matter ≤ 100 ppm Sulphate ≤ 50 ppm Assay (oxidimetric) $\geq 98.0\%$

Code	Size	Packaging	Notes
421735	250 g	Plastic bottle	



Chromium (VI) oxide solution

• Cromo (VI) ossido soluzione • Chrome (VI) oxyde solution • Cromo (VI) óxido solución
• Chrom (VI) oxidlösung

Synonym:

Chromic anhydride

CrO_3
Molecular Weight: 99,99
CAS: 1333-82-0

Classification transport
ONU: 1755
Transport Hazard class: 8
Packing group II





Danger
H271-H301-H312-H330-H314-H334-H317-H340-
H350-H361f-H335-H372-H410-HA26
P210-P280-P283-P284-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338-
P342+P311a-P403+P233

Chromium (VI) oxide solution > RE - Pure

RE

Description Orange clear liquid Chloride ≤ 500 ppm Assay (oxidimetric) $294.6 \div 300.6$ g/l
Identification Positive Sulphate $\leq 0.1\%$

Code	Size	Packaging	Notes
317511	2.5 l	Glass bottle	



	Chromotropic acid disodium salt		Synonym: • 4,5-Dihydroxynaphtalene-2,7-disulfonic acid disodium salt • 1,8-Dihydroxynaphtalene-3,6-disulfonic acid disodium salt
	<ul style="list-style-type: none"> • Acido cromotropico sale bisodico • Acide chromotropique sel disodique • Acido cromotrópico sal disódica • Chromotropsäure Dinatriumsalz-Dihydrat 		
$C_{10}H_6Na_2O_8S_2 \cdot 2H_2O$ Molecular Weight: 400,29 CAS: 5808-22-0 EEC-N: 204-972-9		 Warning H315-H319-H335 P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233	

Chromotropic acid disodium salt > RPE - For analysis

RPE

Description Whitish powder Water-insoluble matter ≤ 0.02 % Formaldehyde sensit..... Conform
 Identification Positive Nitrate sensitivity Conform Assay (acidimetric) ≥ 97.5 %

Code	Size	Packaging	Notes
404872	25 g	Glass bottle	

	Chrysoidine Y		Synonym: Basic orange 2,4-Phenylazo-m-phenylene diamine monohydrochloride
	<ul style="list-style-type: none"> • Crisoidina Y • Chrysoidine Y • Crisoidina Y • Chrysoidin Y 		
$C_{12}H_{13}ClN_4$ Molecular Weight: 248,71 CAS: 532-82-1 EEC-N: 208-545-8		Classification transport ONU: 3143 Transport Hazard class: 6.1 Packing group III	
		 Danger H302-H315-H318-H341-H410 P280-P305+P351+P338-P310a-P308+P313-P330-P362+P364	



Chrysoidine Y > RS - For microscopy - C.I. 11270

RS

Description Dark red powder Identification Positive

Code	Size	Packaging	Notes
440572	25 g	Glass bottle	

Dye for bacteriology and botanic



	Cinchonine		
	<ul style="list-style-type: none"> • Cinconina • Cinchonine • Cinconina • Cinchonin 		
$C_{19}H_{22}N_2O$ Molecular Weight: 294,4 CAS: 118-10-5 EEC-N: 204-234-6		 Warning H302-H332 P261-P264-P271-P301+P312a-P304+P340-P501a	

Cinchonine > RPE - For analysis

RPE

Description White powder Specific optical rotation (c=5 in Ethano..... +225 ÷ +230 ° Dil. H2SO4-ins. matter..... ≤ 200 ppm Fe ≤ 10 ppm
 Identification Positive Loss on drying ≤ 1 % Heavy metals (Pb)..... ≤ 10 ppm Assay (non-aqueous medium) ≥ 99 %
 Ready carbonizable substances..... Conform Total chlorine ≤ 300 ppm Residue on ignition ≤ 0.1 %
 Melting point..... 260 ÷ 265 °C Total sulphur ≤ 50 ppm

Code	Size	Packaging	Notes
437251	10 g	Glass bottle	

	Citral		Synonym: 3,7-Dimethyl-2,6-octadienal
	<ul style="list-style-type: none"> • Citrale • Citral • Citral • Citral 		
$C_{10}H_{16}O$ Molecular Weight: 152,24 CAS: 5392-40-5 EEC-N: 226-394-6		 Warning H315-H317 P261-P264-P280g-P362+P364-P333+P313-P501a	

Citral > RE - Pure

RE

Description Yellow liquid Density at 20° C 0.886 ÷ 0.890 Residue on ignition ≤ 500 ppm
 Identification Positive Refractive index at 20°C 1.4870 ÷ 1.4910 Assay (GLC) ≥ 97 %

Code	Size	Packaging	Notes
437401	25 ml	Glass bottle	

**Citric acid anhydrous**

• Acido citrico anidro • Acide citrique anhydre • Acido citrico anhidro • Zitronensäure wasserfrei



Molecular Weight: 192,13

CAS: 77-92-9

EEC-N: 201-069-1

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Citric acid anhydrous > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP-DAB-JP**ERBApharm**

Description	White crystalline powder	USP-NF	Sulphated ash	≤ 0.1 %	Origin (BSE/TSE).....	Vegetable
Identification	Positive	Organic volatile impurities Conform USP-NF	Sulphate	≤ 150 ppm	Residual solvents (Current ICH).....	Conform
Appearance of solution	Conform Ph.Eur.	Water (K.F.)	≤ 1.0 %	Heavy metals (Pb).....	≤ 10 ppm	
Ready carbonizable substances.....	Conform	Oxalic acid.....	≤ 360 ppm	Assay (acidimetric)	99.5 ÷ 100.5 % s.s.	

Code	Size	Packaging	Notes
302486	500 g	Plastic bottle	
302487	1 kg	Plastic bottle	
302485	5 kg	Plastic tank	
302488	25 kg	Plastic bucket	
302484	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Citric acid monohydrate**

• Acido citrico monoidrato • Acide citrique monohydraté • Acido citrico monohidrato • Zitronensäure monohydrat



Molecular Weight: 192,12

CAS: 5949-29-1

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Citric acid monohydrate > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611021000	100 g	Glass bottle	Ref Ph.Eur 1021000

Citric acid monohydrate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP**RPE**

Description	White crystals	Sulphate	≤20 ppm	Appearance of solution	Conform	Heavy metals (Pb).....	≤10 ppm
Identification	Positive	Fe	≤3 ppm	Organic volatile impurities	Conform	As	≤3 ppm
Water-insoluble matter	≤50 ppm	Pb	≤2 ppm	Water (K.F.)	7.5 ÷ 8.8 %	Assay (acidimetric)	99.5 ÷ 100.5 % s.s.
Chloride.....	≤10 ppm	Substances darkened by sulphuric acid	Conform	Oxalic acid.....	≤350 ppm		
Phosphate	≤10 ppm			Sulphated ash.....	≤200 ppm		

Code	Size	Packaging	Notes
403725	250 g	Plastic bottle	
403727	1 kg	Plastic bottle	
403721	5 kg	Plastic tank	
403724	25 kg	Plastic bucket	
403722	50 kg	Fibre drum	

Citric acid monohydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP-DAB**ERBApharm**

Description	White crystals	Appearance of solution	Conform Ph.Eur.	Oxalic acid.....	≤ 360 ppm	Assay (acidimetric)	99.5 ÷ 100.5 % s.s.
Identification (I.R.).....	Positive	Ready carbonizable substances.....	Conform	Sulphated ash.....	≤ 0.1 %	Residual solvents (Current ICH).....	Conform
Clarity of solution.....	Conform	USP-NF		Sulphate	≤ 150 ppm		
Color of solution	Conform	Water (K.F.)	7.5 ÷ 9.0 %	Heavy metals (Pb).....	≤ 10 ppm		

Code	Size	Packaging	Notes
302557	1 kg	Plastic bottle	
302559	5 kg	Plastic tank	
302551	25 kg	Plastic bucket	
302554	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Citric acid monohydrate > ERBApharm - Powder - According to pharmacopoeia: Ph.Eur.-USP-FU-BP-DAB

ERBApharm

Description	White crystalline powder	USP-NF	Sulphate	≤ 150 ppm	Residual solvents (Current ICH).....	Conform
Identification	Positive	Water (K.F.)	7.5 ÷ 9.0 %	Heavy metals (Pb).....	≤ 10 ppm	
Appearance of solution	Conform Ph.Eur.	Oxalic acid	≤ 360 ppm	Assay (acidimetric)	99.5 ÷ 100.5 % s.s.	
Ready carbonizable substances.....	Conform	Sulphated ash	≤ 0.1 %	Origin (BSE/TSE).....	Vegetable	

Code	Size	Packaging	Notes
302507	1 kg	Plastic bottle	
302509	5 kg	Plastic tank	
302501	25 kg	Plastic bucket	
302504	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Clayton's yellow

• Giallo Clayton • Jaune Clayton • Amarillo Clayton • Titangelb

Synonym:

- Thiazole Yellow G
- Direct Yellow 9

$C_{28}H_{19}N_5O_6S_4Na_2$
Molecular Weight: 695,73
CAS: 1829-00-1
EEC-N: 217-377-4

Clayton's yellow > RPE - For analysis - C.I. 19540

RPE

Description	Yellow brown powder	pH range	1.2 - 13.2	Mg sensitivity	≤ 0.5 µg/ml
Identification	Positive	Loss on drying	≤ 10 %	Residue on ignition	18.4 ÷ 22.4 %

Code	Size	Packaging	Notes
453518	5 g	Glass bottle	
453519	25 g	Glass bottle	

Dye for microscopy. Indicator acid - base (pH 12.0 ÷ 13.0). Fluorescence indicator. For the determination of magnesium



Cobalt standard solution

• Cobalto standard soluzione • Cobalt standard solution • Cobalto, solución patrón • Kobalt-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Danger

H290-H314-H350i-H412-HEU208-HA26
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Cobalt standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615004300	1 l	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5004300

Cobalt standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505562	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505565	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505563	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cobalt standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503511	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503513	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503515	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503517	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cobalt standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507533	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507484	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497495	100 ml	Bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497491	500 ml	Bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Cobalt standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
439131		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

**Cobalt (II) acetate tetrahydrate**

- Cobalto acetato oso tetraidrato • Cobalt (II) acétate tétrahydraté • Cobalto (II) acetato tetrahidrato
- Kobalt (II) acetattetrahydrat

Synonym:
Cobaltous acetate tetrahydrate

$\text{Co}(\text{CH}_3\text{COO})_2 \cdot 4\text{H}_2\text{O}$
Molecular Weight: 249,08
CAS: 6147-53-1
EEC-N: 200-755-8

**Danger**

H302-H334-H317-H351
P261-P280-P284-P304+P340-P308+P313-
P342+P311a

Cobalt (II) acetate tetrahydrate > RPE - For analysis

RPE

Description Brown-red crystal Chloride ≤ 0.005 % Cu ≤ 0.0005 % Assay 98 - 100 %
Identification Positive Sulfate ≤ 0.005 % Fe ≤ 0.001 % Water insolubles ≤ 0.01 %

Code	Size	Packaging	Notes
439154	100 g	Glass bottle	
439155	250 g	Glass bottle	
439156	1 kg	Glass bottle	

**Cobalt (II) ammonium sulfate hexahydrate**

- Cobalto ammonio solfato oso esaidrato • Cobalt (II) ammonium sulfate hexahydraté
- Cobalto (II) y amonio sulfato hexahidrato • Kobalt (II) ammoniumsulfat hexahydrat

Synonym:
Ammonium cobalt(II) sulfate hexahydrate

$\text{Co}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 395,23
CAS: 13596-46-8
EEC-N: 237-043-1

**Warning**

H302-H332-H315-H319-H317-H335
P261-P271-P304+P340-P305+P351+P338-
P337+P313-P403+P233

Cobalt (II) ammonium sulfate hexahydrate > RPE - For analysis

RPE

Description Red crystal, powder Identification Positive pH sol. 5% at 25° C 4.0 ÷ 7.0 Assay (complexometric) ≥98 %

Code	Size	Packaging	Notes
439204	100 g	Glass bottle	
439207	1 kg	Glass bottle	



Cobalt (II) chloride hexahydrate

• Cobalto cloruro oso esaidrato • Cobalt (II) chlorure hexahydrate • Cobalto (II) cloruro hexahidratato
• Kobalt (II) chloridhexahydrat

Synonym:
Cobaltous chloride hexahydrate

CoCl₂·6H₂O
Molecular Weight: 237,93
CAS: 7791-13-1
EEC-N: 231-589-4

Classification transport
ONU: 3288
Transport Hazard class: 6.1
Packing group III



Danger
H302-H334-H317-H350i-H410-HA26
P261-P280-P284-P304+P340-P308+P313-
P342+P311a

Cobalt (II) chloride hexahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Red-violet crystals	Sulphate	≤ 100 ppm	K	≤ 100 ppm	Zn	≤ 300 ppm
Identification	Positive	Ca	≤ 50 ppm	Mg	≤ 50 ppm	Assay (complexometric)	98.0 ÷ 102.0 %
Water-insoluble matter	≤ 100 ppm	Cu	≤ 20 ppm	Na	≤ 500 ppm		
Nitrate	≤ 100 ppm	Fe	≤ 50 ppm	Ni	≤ 0.1 %		

Code	Size	Packaging	Notes
439355	250 g	Plastic bottle	
439357	1 kg	Plastic bottle	
439353	25 kg	Sack	



Cobalt (II) chloride in solution

• Cobalto (II) cloruro in soluzione • Cobalt (II) chlorure en solution • Cobalto (II) cloruro en solución • Kobalt (II) chlorid in Lösung

CoCl₂
Molecular Weight: 129,84
CAS: 7646-79-9

Cobalt (II) chloride in solution > RS - For analysis according to JP

RS

Code	Size	Packaging	Notes
616001028	100 ml	Plastic bottle	Cobaltous Chloride CS

Cobalt (II) chloride in solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
616001057	500 ml	Plastic bottle	Cobaltous Chloride CS



Cobalt (II) nitrate hexahydrate

• Cobalto nitrato oso esaidrato • Cobalt (II) nitrate hexahydrate • Cobalto (II) nitrato hexahidratato
• Kobalt (II) nitrathexahydrat

Synonym:
Cobaltous nitrate hexahydrate

Co(NO₃)₂·6H₂O
Molecular Weight: 291,04
CAS: 10026-22-9
EEC-N: 233-402-1

Classification transport
ONU: 1477
Transport Hazard class: 5.1
Packing group II



Danger
H272-H302-H334-H317-H341-H350i-H360F-H410-
HA26
P210-P261-P280-P284-P304+P340-P342+P311a

Cobalt (II) nitrate hexahydrate > RS - For enviromental analysis - ACS

RS

Description	Red crystals	Chloride	≤ 20 ppm	Fe	≤ 10 ppm	Ni	≤ 0.15 %
Identification	Positive	Sulphate	≤ 50 ppm	K	≤ 100 ppm	Pb	≤ 20 ppm
Water-insoluble matter	≤ 100 ppm	Ca	≤ 50 ppm	Mg	≤ 50 ppm	Zn	≤ 100 ppm
Ammonium	≤ 0.2 %	Cu	≤ 20 ppm	Na	≤ 500 ppm	Assay (complexometric)	98.0 ÷ 102.0 %

Code	Size	Packaging	Notes
439504	100 g	Glass bottle	

Cobalt (II) nitrate hexahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Red brick crystals	Sulphate	≤ 50 ppm	K	≤ 100 ppm	Pb	≤ 20 ppm
Identification	Positive	Ca	≤ 50 ppm	Mg	≤ 50 ppm	Zn	≤ 100 ppm
Water-insoluble matter	≤ 100 ppm	Cu	≤ 20 ppm	Na	≤ 500 ppm	Assay (complexometric)	98.0 ÷ 102.0 %
Chloride	≤ 20 ppm	Fe	≤ 10 ppm	Ni	≤ 0.15 %		

Code	Size	Packaging	Notes
439455	250 g	Plastic bottle	
439457	1 kg	Plastic bottle	

**Cobalt (II) sulfate heptahydrate**

• Cobalto solfato oso eptaidrato • Cobalt (II) sulfate heptahydrate • Cobalto (II) sulfato heptahidratato
• Kobalt (II) sulfatheptahydrat

Synonym:
Cobaltous sulfate heptahydrate

CoSO₄·7H₂O
Molecular Weight: 281.10
CAS: 10026-24-1
EEC-N: 233-334-2

**Danger**

H302-H334-H317-H350-H410-HA26
P261-P280-P284-P304+P340-P308+P313-
P342+P311a

Cobalt (II) sulfate heptahydrate > RPE - For analysis

RPE

Description	Red crystals	Chloride	≤ 20 ppm	Cu	≤ 10 ppm	Zn	≤ 20 ppm
Identification	Positive	Water-insoluble matter	≤ 30 ppm	Fe	≤ 10 ppm	Assay (complexometric)	≥ 99 %
pH sol. 5% at 25° C	3.5 ÷ 4.5	Nitrate	≤ 50 ppm	Ni	≤ 500 ppm		
Ammonium	≤ 100 ppm	Subst. not ppt. (NH ₄) ₂ S	≤ 0.1 %	Pb	≤ 10 ppm		

Code	Size	Packaging	Notes
439705	250 g	Plastic bottle	

**Congo red**

• Rosso Congo • Rouge Congo • Rojo Congo • Kongo-Rot

Synonym:
Direct Red 28

C₃₂H₂₂N₆Na₂O₆S₂
Molecular Weight: 696,66
CAS: 573-58-0
EEC-N: 209-358-4

**Danger**

H350-H361d-HA26
P201-P202-P280-P308+P313-P405-P501a

Congo red > RPE - For analysis - C.I. 22120

RPE

Description	Red brown powder	Identification	Positive	Colour change	blue red	pH range	3.0 - 5.2
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Code	Size	Packaging	Notes
476762	25 g	Glass bottle	
476764	100 g	Plastic bottle	

Dye for microscopy (histology). Indicator acid - base

**Congo red paper**

• Cartina rosso Congo • Papier rouge Congo • Rojo Congo papel • Kongorotes Papier

**Danger**

H350-HA26
P201-P202-P280-P308+P313-P405-P501a

Congo red paper > RS - For pHmetry

RS

Code	Size	Packaging	Notes
435220000	1 roll	Dispenser	Congo red paper, Color change: red --> Blue, Change pH 5.0-->3.0

	Congo red solution	Synonym: <i>Direct Red 28</i>
	• Rosso Congo soluzione • Rouge Congo solution • Rojo Congo solución • Rote Kongo-Lösung	

$C_{32}H_{22}N_6Na_2O_6S_2$
Molecular Weight: 696,66
CAS: 573-58-0

Classification transport
ONU: 1170
Transport Hazard class: 3
Packing group III



Danger
H226-H350-HA26
P210-P241-P280-P303+P361+P353-P308+P313-P403+P235

Congo red solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611022001	100 ml	Plastic bottle	Ref Ph.Eur 1022001

Change colour: pH 3.0 (blue) to pH 5.0 (pink)

	Coomassie brilliant blue R 250	Synonym: • Brilliant Blue R • Acid Blue 83
	• Blu Coomassie R250 • Bleu de Coomassie brillant R 250 • Azul Coomassie R 250 • Helles Coomassie Blue R 250	

$C_{45}H_{44}N_3NaO_7S_2$
Molecular Weight: 825,99
CAS: 6104-59-2
EEC-N: 228-060-5



Warning
H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Coomassie brilliant blue R 250 > RS - For microscopy - C.I. 42660

RS

Description Dark violet powder Identification Positive E (1%/1cm lambda max) ≥ 300

Code	Size	Packaging	Notes
428642	25 g	Glass bottle	

Dye for histochemistry

	Copper electrolytic rebaked, sheet	
	• Rame elettrolitico lastra ricotta • Cuivre électrolytique recuit, feuilles • Cobre electrolítico recocado, hojas • Kupferelektrolyt überbacken, Blatt	

Cu
Molecular Weight: 63,55
CAS: 7440-50-8
EEC-N: 231-159-6

H413
P273-P501a

Copper electrolytic rebaked, sheet > RPE - For analysis

RPE

Description Metallic sheet Identification Positive Assay ≥ 99.8 %

Code	Size	Packaging	Notes
475215	250 g	Box	

~ 0,15 mm thickness

	Copper electrolytic, turnings	
	• Rame elettrolitico, tornitura • Cuivre électrolytique, tournures • Cobre electrolítico, virutas • Kupferelektrolyt, Späne	

Cu
Molecular Weight: 63,55
CAS: 7440-50-8
EEC-N: 231-159-6

H413
P273-P501a

Copper electrolytic, turnings > RPE - For analysis

RPE

Description Trucioli metallici Identification Positive Assay ≥ 99 %

Code	Size	Packaging	Notes
475305	250 g	Carton box	
475307	1 kg	Plastic bottle	

**Copper electrolytic, wire**

• Rame elettrolitico, filo • Cuivre électrolytique, fils • Cobre electrolítico, hilos • Kupferelektrolyt, Draht

Cu	H413
Molecular Weight: 63,55	P273-P501a
CAS: 7440-50-8	
EEC-N: 231-159-6	

Copper electrolytic, wire > RPE - For analysis**RPE**

Description	Filo	Sn + Sb.....≤200 ppm	Fe.....≤50 ppm	Pb.....≤200 ppm
Identification	Positive	Ag.....≤100 ppm	Mn.....≤10 ppm	Assay.....≥99.9 %
HNO ₃ -insoluble matter	≤300 ppm	As.....≤5 ppm	P.....≤10 ppm	

Code	Size	Packaging	Notes
475185	250 g	Box	
475187	1 kg	Box	

~ 1 mm diameter

**Copper reduced, powder**

• Rame ridotto, polvere • Cuivre réduit, poudre • Cobre reducido, polvo • Kupfer reduziert, Pulver

Cu	H413
Molecular Weight: 63,55	P273-P501a
CAS: 7440-50-8	
EEC-N: 231-159-6	

Copper reduced, powder > RPE - For analysis - Reag. Ph. Eur.**RPE**

Description	Red-brown metallic powder	Identification	Positive	Assay	≥ 98.5 % (Cu)
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Code	Size	Packaging	Notes
475334	100 g	Glass bottle	
475337	1 kg	Glass bottle	

**Copper standard solution**

• Rame standard soluzione • Cuivre standard solution • Cobre, solución patrón • Kupfer-Standardlösung

Classification transport

ONU: 3264
 Transport Hazard class: 8
 Packing group III

**Warning**

H290
 P234-P390-P406

Copper standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**RS**

Code	Size	Packaging	Notes
615001100	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5001100

Copper standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505577	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505578	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505579	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Copper standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503541	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503543	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503545	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503547	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Copper standard solution > RS - Standard solution for AAS

RS

Description Clear blue liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
504545	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507478	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497615	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497611	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Copper standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Green clear liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
475151		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Copper standard solution > RS - Quality control standard solution for AAS (graphite furnace)

RS

Code	Size	Packaging	Notes
504361	50 ml	Plastic bottle	conc. 10 ppb - Matrix: 2% Nitric acid



Copper (I) chloride

• Rame cloruro oso • Cuivre (I) chlorure • Cobre (I) cloruro • Kupfer (I) chlorid

Synonym:

- Cuprous chloride
- Copper monochloride

CuCl
Molecular Weight: 98,99
CAS: 7758-89-6
EEC-N: 231-842-9

Classification transport
ONU: 2802
Transport Hazard class: 8
Packing group III



Danger
H302-H312-H315-H318-H410
P264-P305+P351+P338-P310a-P330-P362+P364-P332+P313

Copper (I) chloride > RPE - For analysis

RPE

Description green-dark powder Acid insoluble ≤ 0.5 % Fe ≤ 0.02 %
Identification Positive Sulphate ≤ 0.5 % Titolo (manganometric) ≥ 97 %

Code	Size	Packaging	Notes
475605	250 g	Plastic bottle	
475607	1 kg	Plastic bottle	

**Copper (I) chloride solution 7% in ammonia**

• Rame cloruro oso soluzione 7% in ammoniacca • Cuivre (I) chlorure solution 7% dans l'ammoniaque
• Cobre (I) cloruro solución 7% en amonio hidróxido • Kupfer (I) chloridlösung 7% in Ammoniak

Synonym:

• *Cuprous chloride*
• *Copper monochloride*

CuCl
Molecular Weight: 98,99
CAS: 7758-89-6

**Danger**

H314-H335-H411
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Copper (I) chloride solution 7% in ammonia > RS - For gas analysis according to Orsat**RS**

Description Blue liquid Identification Positive Density at 20° C ~ 1.08 Assay 6.5 ÷ 7.5 %

Code	Size	Packaging	Notes
E475632	1 l	Bottle	

Stabilized electrolytic copper**Copper (I) iodide**

• Rame ioduro oso • Cuivre (I) iodure • Cobre (I) ioduro • Kupfer (I) iodid

Synonym:

• *Cuprous iodide*

CuI
Molecular Weight: 190,45
CAS: 7681-65-4
EEC-N: 231-674-6

**Danger**

H302-H315-H318-H317-H372-H400-H411
P260-P264-P305+P351+P338-P310a-P330-
P362+P364

Copper (I) iodide > RE - Pure**RE**

Description Polvere nocciola ammass. Identification Positive Assay (oxidimetric) >98 %

Code	Size	Packaging	Notes
364611	25 kg	Plastic bucket	

Copper (I) iodide > RE - Pure - For fibers**RE**

Description Polvere nocciola Sulphate ≤ 0.05 % K ≤ 0.05 % Zn ≤ 50 ppm
Identification Positive Cd ≤ 50 ppm Ni ≤ 50 ppm Assay (oxidimetric) ≥ 98 %
Chloride ≤ 0.05 % Fe ≤ 50 ppm Pb ≤ 100 ppm

Code	Size	Packaging	Notes
364637	1 kg	Plastic bottle	
364631	25 kg	Plastic bucket	

**Copper (II) acetate hydrate**

• Rame acetato ico idrato • Cuivre (II) acétate hydrate • Cobre (II) acetato hidrato • Kupfer (II) acetathydrat

Synonym:

• *Cupric acetate monohydrate*

$\text{Cu}(\text{CH}_3\text{COO})_2 \cdot \text{H}_2\text{O}$
Molecular Weight: 199,65
CAS: 6046-93-1
EEC-N: 205-553-3

**Warning**

H302
P264-P270-P301+P312a-P330-P501a

Copper (II) acetate hydrate > RPE - For analysis - ACS**RPE**

Description Green-azure crystalline powder Water-insoluble matter ≤ 100 ppm K ≤ 100 ppm Assay (oxidimetric) 98.0 ÷ 102.0 %
Identification Positive Sulphate ≤ 100 ppm Ni ≤ 100 ppm
Chloride ≤ 30 ppm Ca ≤ 50 ppm Na ≤ 500 ppm

Code	Size	Packaging	Notes
475405	250 g	Plastic bottle	
475407	1 kg	Plastic bottle	

Copper (II) acetate hydrate > RE - Pure

RE

Description .. Dark green crystalline powder Chloride ≤ 200 ppm Sulphate ≤ 0.1 % Assay (oxydometric) ≥ 98.0 %
 Identification Positive pH (5%/m solution) 5.0 - 6.0 Fe ≤ 250 ppm

Code	Size	Packaging	Notes
364007	1 kg	Plastic bottle	
364008	25 kg	Plastic bucket	



Copper (II) carbonate (basic)

• Rame carbonato basico ico • Cuivre (II) carbonate basique • Cobre (II) carbonato básico
 • Kupfer(II)-hydroxidcarbonat

Synonym:
Cupric carbonate basic

CuCO3.Cu(OH)2
 Molecular Weight: 221,12
 CAS: 12069-69-1
 EEC-N: 235-113-6

Classification transport

ONU: 3077
 Transport Hazard class: 9
 Packing group III



Warning

H302-H332-H319-H410
 P261-P264-P271-P304+P340-P305+P351+P338-
 P337+P313

Copper (II) carbonate (basic) > RPE - For analysis

RPE

Description Green azure powder Pb ≤ 100 ppm Chlorine ≤ 250 ppm
 Identification Positive Assay (oxidimetric) 53 ÷ 57 % (Cu) Specific gravity 0.8 ÷ 1.05 g/cm3
 Fe ≤ 300 ppm Cd ≤ 10 ppm Acidity solubility Complete

Code	Size	Packaging	Notes
475555	250 g	Plastic bottle	
475557	1 kg	Plastic bottle	
475553	25 kg	Plastic bucket	



Copper (II) chloride dihydrate

• Rame cloruro ico diidrato • Cuivre (II) chlorure dihydraté • Cobre (II) cloruro dihidrato
 • Kupfer(II)-chlorid-Dihydrat

Synonym:
Cupric chloride dihydrate

CuCl2.2H2O
 Molecular Weight: 170,47
 CAS: 10125-13-0
 EEC-N: 215-704-5

Classification transport

ONU: 2802
 Transport Hazard class: 8
 Packing group III



Danger

H290-H302-H312-H318-H400-H411
 P264-P280-P305+P351+P338-P310a-P330-
 P362+P364

Copper (II) chloride dihydrate > RPE - For analysis

RPE

Description Green - azure crystals Assay (complexometric) ≥ 99 % Na ≤ 20 ppm Ni ≤ 50 ppm
 Identification Positive Ca ≤ 20 ppm Sulphate ≤ 50 ppm Pb ≤ 40 ppm
 pH sol. 5% at 20°C 3.0 ÷ 3.8 K ≤ 20 ppm As ≤ 1 ppm
 Total nitrogen ≤ 40 ppm Mg ≤ 20 ppm Fe ≤ 10 ppm

Code	Size	Packaging	Notes
475685	250 g	Plastic bottle	
475687	1 kg	Plastic bottle	

Copper (II) chloride dihydrate > RE - Pure

RE

Description Blue crystals Nitrogen compounds (N) ≤ 0.004 % K ≤ 20 ppm Assay ≥ 99 %
 Identification Positive As ≤ 1 ppm Zn ≤ 0.05 %
 pH sol. 5% at 20°C 3 ÷ 3.8 Ca ≤ 20 ppm Solubility Conform
 Sulphate ≤ 50 ppm Nitrate ≤ 0.5 % Pb ≤ 40 ppm

Code	Size	Packaging	Notes
364507	1 kg	Plastic bottle	
364508	5 kg	Plastic tank	

**Copper (II) nitrate trihydrate**

• Rame nitrato ico triidratato • Cuivre (II) nitrato trihydraté • Cobre (II) nitrato trihidratado
• Kupfer(II) nitrat-trihydrat

Synonym:
Cupric nitrate trihydrate

$\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$
Molecular Weight: 241,6
CAS: 10031-43-3
EEC-N: 221-838-5

Classification transport
ONU: 1477
Transport Hazard class: 5.1
Packing group II



Danger
H272-H302
P210-P220-P264-P280-P301+P312a-P501a

Copper (II) nitrate trihydrate > RPE - For analysis**RPE**

Description Blue crystals	Chloride ≤10 ppm	Sulphate ≤25 ppm	Ni ≤10 ppm
Identification Positive	Water-insoluble matter ≤30 ppm	As ≤1 ppm	Pb ≤10 ppm
pH sol. 5% at 25° C 3.0 ÷ 4.0	Substances not ppt. H ₂ S ≤500 ppm	Ba ≤50 ppm	Zn ≤10 ppm
Ammonium ≤10 ppm	Subst. ppt. by (NH ₄) ₂ S ≤50 ppm	Fe ≤20 ppm	Assay (oxidimetric) ≥99.5 %

Code	Size	Packaging	Notes
475782	100 g	Plastic bottle	
475786	500 g	Plastic bottle	
475783	1 kg	Plastic bottle	
475784	2.5 kg	Plastic bottle	

**Copper (II) oxide**

• Rame ossido ico • Cuivre (II) oxyde • Cobre (II) óxido • Kupfer(II) oxid

Synonym:
Cupric oxide

CuO
Molecular Weight: 79,55
CAS: 1317-38-0
EEC-N: 215-269-1



Warning
H302-H410
P264-P270-P301+P312a-P330-P391-P501a

Copper (II) oxide > RPE - For analysis**RPE**

Description Black powder	HNO ₃ -insoluble matter ≤ 0.02 %	Zolfo totale (SO ₄) ≤ 0.01 %
Identification Positive	Substances not ppt. H ₂ S ≤ 0.2 %	C ≤ 500 ppm
Free alkalis Conform	Nitrogen compounds (N) ≤ 0.002 %	Assay (iodometric) ≥ 99 %

Code	Size	Packaging	Notes
475994	100 g	Glass bottle	
475997	1 kg	Glass bottle	

**Copper (II) oxide wire**

• Rame ossido filo • Cuivre (II) oxyde en fils • Cobre (II) óxido hilos • Kupfer (II) oxiddraht

Synonym:
Cupric oxide

CuO
Molecular Weight: 79,55
CAS: 1317-38-0
EEC-N: 215-269-1



Warning
H302-H410
P264-P270-P301+P312a-P330-P391-P501a

Copper (II) oxide wire > RS - For microanalysis - ACS**RS**

Description Grey wire	Nitrogen compounds (N) ≤20 ppm	Sulphur compounds ≤120 ppm
Identification Positive	Carbon compounds ≤20 ppm	

Code	Size	Packaging	Notes
475966	500 g	Plastic bottle	



Copper (II) sulfate anhydrous

• Rame solfato ico anidro • Cuivre (II) sulfate anhydre • Cobre (II) sulfato anhidro • Kupfer(II) sulfat wasserfrei

Synonym:

Cupric sulfate

CuSO₄
Molecular Weight: 159,6
CAS: 7758-98-7
EEC-N: 231-847-6

Classification transport
ONU: 3077
Transport Hazard class: 9
Packing group III



Warning
H302-H315-H319-H410
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Copper (II) sulfate anhydrous > RPE - For analysis

RPE

Description Greyish powder Dil. H2SO4-ins. matter ≤50 ppm Mg ≤100 ppm Assay (oxidimetric) 99 ÷ 100.5 % (s.s.)
Identification Positive Ca ≤50 ppm Na ≤200 ppm
Loss on drying ≤1 % Fe ≤30 ppm Ni ≤50 ppm
Chloride ≤100 ppm K ≤100 ppm Pb ≤80 ppm

Code	Size	Packaging	Notes
476245	250 g	Plastic bottle	
476247	1 kg	Plastic bottle	
476243	25 kg	Plastic bucket	

Copper (II) sulfate anhydrous > RE - Pure

RE

Description Grey powder Fe ≤0.1 % Assay (oxidimetric) ≥97 %
Identification Positive Water-insoluble matter ≤0.1 %

Code	Size	Packaging	Notes
365006	500 g	Plastic bottle	
365007	1 kg	Plastic bottle	
365002	25 kg	Plastic bucket	



Copper (II) sulfate pentahydrate

• Rame solfato ico pentaidrato • Cuivre (II) sulfate pentahydraté • Cobre (II) sulfato pentahidratado • Kupfer(II)-sulfat-Pentahydrat

Synonym:

Blue Vitriol

CuSO₄·5H₂O
Molecular Weight: 249,68
CAS: 7758-99-8
EEC-N: 231-847-6



Danger
H302-H318-H410
P264-P280i-P301+P312a-P305+P351+P338-P310a-
P501a

Copper (II) sulfate pentahydrate > RS - For microanalysis

RS

Description Blue crystals Not soluble matter ≤ 0.005 % Assay (iodometric) 98.0 ÷ 102.0 %
Identification Positive Nitrogen compounds (N) ≤ 0.002 %

Code	Size	Packaging	Notes
476154	100 g	Glass bottle	

Copper (II) sulfate pentahydrate > RPE - For analysis - ACS

RPE

Description Blue crystals Chloride ≤10 ppm Fe ≤30 ppm Ni ≤50 ppm
Identification Positive H2SO4-insoluble matter ≤50 ppm K ≤100 ppm Assay (oxidimetric) 98.0 ÷ 102.0 %
Total nitrogen ≤20 ppm Ca ≤50 ppm Na ≤200 ppm

Code	Size	Packaging	Notes
476096	100 g	Plastic bottle	
476097	1 kg	Plastic bottle	
476099	5 kg	Plastic jar	
476092	25 kg	Plastic bucket	

Copper (II) sulfate pentahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP**ERBApharm**

Description	Blue crystalline powder	Loss on drying	35.0 ÷ 36.5 %	Fe	≤30 ppm	Ni	≤50 ppm
Identification	Positive	Chloride	≤100 ppm	K	≤100 ppm	Pb	≤50.0 ppm
Appearance of solution	Conform Ph.Eur.	Ca	≤50 ppm	Na	≤200 ppm	Assay (oxidimetric)	99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
364757	1 kg	Plastic bottle	
364759	5 kg	Plastic tank	
364752	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Copper (II) sulfate solution 12.5%**

• Rame solfato ico soluzione 12.5% • Cuivre (II) sulfate solution 12.5% • Cobre (II) sulfato solución 12.5%
• Kupfersulfat 12.5 %

Synonym:
Cupric sulfate

CuSO₄
Molecular Weight: 159,6
CAS: 7758-98-7

**Danger**

H318-H410

P273-P280i-P305+P351+P338-P310a-P391-P501a

Copper (II) sulfate solution 12.5% > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611022501	100 ml	Plastic bottle	Ref Ph.Eur 1022500

Copper (II) sulfate solution 12.5% > RPE - For analysis**RPE**

Description	Clear blue liquid	Identification	Positive	Density at 20° C	~ 1.08	Assay (oxidimetric)	12.0 ÷ 13.0 %
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Code	Size	Packaging	Notes
E476211	1 l	Bottle	

**Copper (II) sulphate solution**

• Rame (II) solfato in soluzione • Cuivre (II) sulfate en solution • Cobre (II) sulfato de en solución • Kupfer(II)-sulfat in Lösung

CuSO₄
Molecular Weight: 159,61
CAS: 7758-98-7

Copper (II) sulphate solution > RS - For analysis according to USP**RS**

Code	Size	Packaging	Notes
616001038	100 ml	Plastic bottle	Cupric sulfate CS
616001037	500 ml	Plastic bottle	Cupric sulfate CS

CPME ▶ Cyclopentyl methyl ether

	m-Cresol	Synonym: • 3-Hydroxytoluene • 3-Methylphenol
	• m-Cresolo • m-Crésol • m-Cresol • m-Kresol	

$\text{CH}_3\text{C}_6\text{H}_4\text{OH}$ Molecular Weight: 108 CAS: 108-39-4 EEC-N: 203-577-9	Classification transport ONU: 2076 Transport Hazard class: 6.1 Packing group II		Danger H301-H311-H314 P280-P301+P310a-P301+P330+P331- P303+P361+P353-P304+P340-P305+P351+P338
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m-Cresol > RE - Pure

RE

Refractive index at 20°C 1.539 - 1.543	Identification Positive	m-Cresol ≥ 99 %	Boiling point ~ 202 °C
Description Reddish liquid	Colour ≤ 120 Hazen	Assay (GLC) ≥ 99 %	Density d20/4 None
Water content (K.F.) ≤ 500 mg/Kg	Water (K.F.) ≤ 0.05 %	o-cresol ≤ 0.3 %	Melting point ~ 12 °C

Code	Size	Packaging	Notes
440435	250 g	Glass bottle	
440437	1 kg	Glass bottle	

m-Cresol > RE - Pure - For synthesis

RE

Refractive index at 20°C 1.539 - 1.543	Colour ≤ 120 Hazen	o-cresol ≤ 0.3 %
Water content (K.F.) ≤ 500 mg/Kg	m-Cresol ≥ 99 %	Density d20/4 None

Code	Size	Packaging	Notes
PA160021	2.5 l	Glass bottle	

	o-Cresol	Synonym: 2-Methylphenol
	• o-Cresolo • o-Crésol • o-Cresol • o-Kresol	

$\text{CH}_3\text{C}_6\text{H}_4\text{OH}$ Molecular Weight: 108,14 CAS: 95-48-7 EEC-N: 202-423-8	Classification transport ONU: 3455 Transport Hazard class: 6.1 Packing group II		Danger H301-H311-H314 P280-P301+P310a-P301+P330+P331- P303+P361+P353-P304+P340-P305+P351+P338
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o-Cresol > RE - Pure

RE

Description Colourless to yellow brown liquid or solid	Boiling point 189.5 ÷ 192.5 °C	Water (K.F.) ≤ 0.3 %
Identification Positive	Melting point 29 ÷ 31 °C	Assay (GLC) ≥ 98 %

Code	Size	Packaging	Notes
440385	250 g	Glass bottle	
440387	1 kg	Glass bottle	
440381	2.5 Kg	Plastic bottle	

	m-Cresol purple	Synonym: m-Cresolsulfonphthalein
	• Porpora m-cresolo • Pourpre de m-cresol • Púrpura de m-cresol • m-Kresolpurpur	

$\text{C}_{21}\text{H}_{18}\text{O}_5\text{S}$ Molecular Weight: 382,44 CAS: 2303-01-7 EEC-N: 218-960-6
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m-Cresol purple > RPE - For analysis

RPE

Description Dark green powder	Solubilità (0.1% in EtOH 50%) Complete	Colour change yellow - violet
Identification Positive	E (1%/1cm) a 578nm in tamp. ≥ 900	pH range 7.4 ÷ 9.0

Code	Size	Packaging	Notes
470067	1 g	Glass bottle	
470068	25 g	Glass bottle	

Clark indicator series. Acid-base indicator



o-Cresol red

• Rosso o-cresolo • Rouge de o-crésol • Rojo de o-cresol • o-Kresolrot

Synonym:
o-Cresolsulfonphthalein

$C_{21}H_{18}O_5S$
Molecular Weight: 382,44
CAS: 1733-12-6
EEC-N: 217-064-2



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

o-Cresol red > RPE - For analysis

RPE

Description Red brown powder Sensitivity(pH 7.2-8.8) Conform Colour change.....yellow red
Identification Positive Loss on drying (110°C)..... ≤ 3.0 %

Code	Size	Packaging	Notes
476778	5 g	Glass bottle	

Clark indicator series



o-Cresol Red solution 0.2% in ethanol

• Rosso o-cresolo soluzione 0.2% in alcol etilico • Rouge de o-crésol solution 0.2% dans l'éthanol
• Rojo de o-cresol solución 0.2% en alcohol etílico • O-Kresol-rote Lösung 0.2% in Ethanol

Synonym:
o-Cresolsulfonphthalein

$C_{21}H_{18}O_5S$
Molecular Weight: 382,44
CAS: 1733-12-6

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group III



Warning

H226-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

o-Cresol Red solution 0.2% in ethanol > RPE - For analysis

RPE

Description Red liquid Identification Positive Sensitivity(pH 7.2-8.8) Conform Colour change..... Yellow-red violet

Code	Size	Packaging	Notes
E476805	250 ml	Bottle	

Indicator series Clark. Indicator acid-base



Cresol red R solution in Sodium hydroxide 0.1N/ Ethanol 96% / Water

• Soluzione Rosso cresolo/Sodio idrossido 0.1N / Etanolo 96%/ Acqua • Rouge de crésol solution dans l'hydroxyde de sodium 0.1N / éthanol 96% / eau
• Rojo de o-cresol solución en sodio hidróxido 0.1N / alcohol etílico 96%/agua • Kresol-rote Lösung Natronlauge 0.1N/ ethanol 96% / wasser

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group III



Warning

H226
P210-P241-P280-P303+P361+P353-P403+P235-
P501a

Cresol red R solution in Sodium hydroxide 0.1N/ Ethanol 96% / Water > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611022801	100 ml	Bottle	Ref Ph.Eur 1022801

o-Cresolsulfonphthalein ► o-Cresol red

 **Crystal violet**
 • Violetto cristalli • Violet cristallisé • Violeta cristal • Kristallviolett

Synonym:
 • Crystal violet solution
 • Basic violet 3

$C_{25}H_{30}ClN_3$
 Molecular Weight: 407,99
 CAS: 548-62-9
 EEC-N: 208-953-6



Danger
 H302-H318-H351-H410
 P264-P280-P301+P312a-P305+P351+P338-P310a-P308+P313

Crystal violet > RPE - For analysis - C.I. 42555

RPE

Description Dark green powder Suitability for anhydrous titration ... Conform Alcohol-insolub. matter ≤0.5 % Colour change..... yellow blue
 Identification Positive Loss on drying ≤9 % Residue on ignition ≤2.5 % pH range 0.1 - 2.0

Code	Size	Packaging	Notes
491502	25 g	Glass bottle	

Dye for microscopy (bacteriology-Botanical-histology). Indicator acid - base

 **Crystal violet oxalate for Gram-Hucker Kit**
 • Violetto cristalli ossalato soluzione per kit Gram-Hucker • Violet cristallisé oxalate pour kit de Gram-Hucker
 • Violeta cristal oxalato solución para kit Gram-Hucker • Kristallviolett oxalat für Gram-Hucker Kit



Warning
 H319-H351-H373-H412
 P260-P264-P280-P305+P351+P338-P308+P313-P337+P313

Crystal violet oxalate for Gram-Hucker Kit > RS - For bacteriology

RS

Description Violet clear liquid Identification Positive

Code	Size	Packaging	Notes
491561	250 ml	Bottle	In Vitro Diagnostic Medical Device

 **Crystal violet solution 0.5% in anhydrous acetic acid**
 • Violetto cristalli soluzione 0.5% in acido acetico anidro
 • Violet cristallisé solution 0.5% dans l'acide acétique anhydre
 • Violeta cristal solución 0.5% en acido acético anhidro • Kristallviolettösung 0.5% in wasserfreier Essigsäure

Synonym:
 • Crystal violet solution
 • Basic violet 3

$C_{25}H_{30}ClN_3$
 Molecular Weight: 407,99
 CAS: 548-62-9

Classification transport
 ONU: 2920
 Transport Hazard class: 8
 Packing group II



Danger
 H226-H314-H412
 P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Crystal violet solution 0.5% in anhydrous acetic acid > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611022901	100 ml	Glass bottle	Ref Ph.Eur 1022901

Crystal violet solution 0.5% in anhydrous acetic acid > RPE - For analysis

RPE

Description Violet clear liquid Identification Positive

Code	Size	Packaging	Notes
E491551	500 ml	Bottle	

 **Cupri-citric solution**
 • Cupri-citrico soluzione • Solution cupri-citrique • Cobre-cítrico solución • Cupri-Zitronensäure-Lösung



H411
 P273-P391-P501a

Cupri-citric solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611023100	1 l	Plastic bottle	Ref Ph.Eur 1023100

**Cupriethylenediamine solution**

- Cuprietilendiammina soluzione • Cupriéthylènediamine solution • Cobre etilendiamina solución
- Cupriethylenediamin-Lösung

Synonym:

- Bis(ethylenediamine)copper(II) hydroxide solution
- Copper(II)-ethylenediamine complex

$\text{Cu}(\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2)_2(\text{OH})_2$
Molecular Weight: 217,76
CAS: 14552-35-3

Classification transport

ONU: 1761
Transport Hazard class: 8
Packing group II

**Danger**

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Cupriethylenediamine solution > RPE - For analysis**RPE**

Description Blue liquid Assay (ex Cu) 0.98 ÷ 1.02 M/l Assay (cupriethylenediamine) 0.98 ÷ 1.02 M/l
Identification Positive Assay(Ethylenediamine) 1.96 ÷ 2.04 M/l

Code	Size	Packaging	Notes
E441071	1 l	Glass bottle	

**Cupriethylenediamine hydroxide 1 mol/l**

- Cuprietilendiammina idrossido 1 mol/l • Cuivre (II) éthylènediamine hydroxyde 1 mol/l • Cobre (II) dietilendiaminico hidroxido 1 mol/l
- Kupfer (II) ethylenediaminhydroxid 1 mol/l

Classification transport

ONU: 1761
Transport Hazard class: 8
Packing group III

**Danger**

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Cupriethylenediamine hydroxide 1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613008700	1 l	Glass bottle	Ref Ph.Eur 3008700

**Cupri-tartaric solution**

- Cupri-tartarico soluzione • Solution cupri-tartrique • Cobre-tartárico solución • Cupri-Weinsäure-Lösung

Classification transport

ONU: 1719
Transport Hazard class: 8
Packing group II

**Danger**

H314-H411
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Cupri-tartaric solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611023300	2 x 500 ml	Plastic bottle	Ref Ph.Eur 1023300

**Cyanide standard solution**

- Cianuri standard soluzione • Cyanure solution standard • Cianuro, solución patrón • Cyanid-Standardlösung

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group III

**Warning**

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Cyanide standard solution > RS - Standard solution for ion chromatography**RS**

Code	Size	Packaging	Notes
503358	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Cyclohexane

• Cicloesano • Cyclohexane • Ciclohexano • Cyclohexan

CH₂(CH₂)₄CH₂
Molecular Weight: 84,16
CAS: 110-82-7
EEC-N: 203-806-2

Classification transport
ONU: 1145
Transport Hazard class: 3
Packing group II



Danger

H225-H315-H336-H304-H410
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Cyclohexane > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Water (K.F.)	≤100 ppm	at 200 nm	≥4 %	At 250 nm	≥ 98 %
Identification	Positive	Residue on evaporation	≤2 ppm	at 210 nm	≥15 %	at 260 nm	≥98.5 %
Density at 20° C	0.776 ÷ 0.782	Acidity or alkalinity	≤0.0002 meq/g	at 220 nm	≥50 %	Aromatic compounds	≤ 5 ppm
Refractive index at 20°C	1.4229 ÷ 1.4299	Assay (GLC)	≥99.9 %	at 230 nm	≥80 %		
Boiling point	80.2 ÷ 81.2 ° C	U.V. Transmittance		at 240 nm	≥92 %		

Code	Size	Packaging	Notes
412431000	1 l	Glass bottle	
412432000	2.5 l	Glass bottle	

Cyclohexane > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear colourless liquid	Water	≤ 100 ppm	GC-NPD (Ethylparation)	≤ 3 ng/l
Identification	Positive	Not volatile residue	≤ 2 ppm	Assay (GLC)	≥ 99.8 %
Colour	≤ 10 hazen	GC-ECD (Lindano)	≤ 3 ng/l	Refractive index at 20°C	1.424 ÷ 1.428

Code	Size	Packaging	Notes
436931	1 l	Glass bottle	
436932	2.5 l	Glass bottle	

Cyclohexane > RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

RS

Description	Clear colourless liquid	Melting point	5.5 ÷ 7.5 ° C	U.V. Transmittance		UV Absorbance at 235 nm	≤ 0.16 AU
Colour (APHA)	≤10	Acidity or alkalinity	≤0.0002 meq/g	at 210 nm	≥15 %	UV Absorbance at 240 nm	≤ 0.05 AU
Identification	Positive	Water (K.F.)	≤100 ppm	at 220 nm	≥45 %	UV Absorbance at 250 nm	≤ 0.01 AU
Density at 20° C	0.776 ÷ 0.782	Residue on evaporation	≤5 ppm	at 230 nm	≥75 %		
Refractive index at 20°C	1.4229 ÷ 1.4299	Aromatic compounds	≤5 ppm	at 250 nm	≥98 %		
Boiling point	80.2 ÷ 81.2 ° C	Assay (GLC)	≥99.9 %	UV Absorbance at 220 nm	≤ 0.35 AU		

Code	Size	Packaging	Notes
436967	1 l	Glass bottle	
436963	2.5 l	Glass bottle	

Cyclohexane > RS - Anhydrous - For analysis

RS

Refractive index at 20°C	1.424 - 1.428	Colour	≤ 10 Hazen	Methylcyclohexane	≤ 1000 mg/Kg	Density d ₂₀ /4	0.775 - 0.782
Water content (K.F.)	≤ 50 mg/Kg	Aromatic compounds	≤ 150 mg/Kg	Clear liquid appearance	Conform	Total sulphur (S)	≤ 1 ppm
Non volatile residue	≤ 10 mg/Kg	Assay (GC)	≥ 99.8 %	Identification (IR)	Conform		

Code	Size	Packaging	Notes
P0251010	200 ml	Bottle with septum	
P0251016	1 l	Glass bottle	

Cyclohexane > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description	Clear liquid	Alcohol miscibility.....	Complete	Melting point.....	5.5 ÷ 7.5 ° C	Total sulphur.....	≤10 ppm
Colour (APHA)	≤10	Diethyl ether miscib.....	Complete	Water (K.F.)	≤100 ppm	Assay (GLC)	≥99.8 %
Identification (I.R.).....	Conform	Density at 20° C	0.776 ÷ 0.782	Residue on evaporation	≤10 ppm	Aromatic compounds.....	≤ 150 ppm
Water solubility.....	Conform	Refractive index at 20°C. 1.4229 ÷ 1.4299		Acidity (acetic acid).....	≤10 ppm	Methylcyclohexane.....	≤ 0.1 %
Ready carbonizable substances.....	Conform	Boiling point.....	80 ÷ 82 ° C	Subst. reducing KMnO4.....	≤20 ppm(5m)		

Code	Size	Packaging	Notes
436903	1 l	Glass bottle	
436905	2.5 l	Glass bottle	
436906	5 l	Plastic tank	
436901	10 l	Metal tank	
436902	21 kg	Metal drum	
436908	150 kg	Metal drum	

Cyclohexane > RE - Pure**RE**

Description	Clear liquid	Density at 20° C	0.774 ÷ 0.784	Boiling point.....	80 ÷ 82 ° C	Residue on evaporation	≤50 ppm
Identification	Positive	Refractive index at 20°C. 1.4214 ÷ 1.4314		Water (K.F.)	≤150 ppm	Assay (GLC)	≥ 99.8 %

Code	Size	Packaging	Notes
333752	1 l	Glass bottle	
333751	2.5 l	Glass bottle	
528215	5 l	Plastic tank	
508235	10 l	Plastic tank	
333753	21 kg	Metal drum	
528216	25 l	Metal drum	
528217	200 l	Metal drum	

**Cyclohexane-d12**

• Cicloesano-d12 • Cyclohexane-d12 • Ciclohexano-d12 • Cyclohexan-d12

C₆D₁₂

Molecular Weight: 96,07

CAS: 1735-17-7

EEC-N: 217-077-3

**Danger**

H225-H315-H336-H304-H410

P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Cyclohexane-d12 > RS - For NMR - min 99.5%**RS**

Code	Size	Packaging	Notes
P5151A	2 x 0.5 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis**Cyclohexanol**

• Cicloesanol • Cyclohexanol • Ciclohexanol • Cyclohexanol

CH₂(CH₂)₄CHOH

Molecular Weight: 100

CAS: 108-93-0

EEC-N: 203-630-6

**Warning**

H302-H332-H315-H335

P261-P271-P304+P340-P332+P313-P362+P364-P403+P233

Cyclohexanol > RE - Pure**RE**

Description	Clear colourless liquid	Identification	Positive	Residue on evaporation	≤0.1 %	Assay (GLC)	≥98 %
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Code	Size	Packaging	Notes
333801	1 l	Glass bottle	

Cyclohexanol > RE - Pure - For synthesis

RE

Refractive index at 25°C.. 1.4620 - 1.4660 Colour ≤ 15 Hazen Assay (GC) ≥ 98.5 % Cyclohexanone..... ≤ 6000 mg/Kg

Code	Size	Packaging	Notes
P0260248	25 l	Metal drum	
P0260268	200 l	Metal drum	



Cyclohexanone

• Cicloesanone • Cyclohexanone • Ciclohexanona • Cyclohexanon

$\text{CH}_2(\text{CH}_2)_4\text{CO}$
 Molecular Weight: 98,15
 CAS: 108-94-1
 EEC-N: 203-631-1

Classification transport
 ONU: 1915
 Transport Hazard class: 3
 Packing group III



Warning
 H226-H332
 P210-P241-P261-P280-P303+P361+P353-
 P304+P340

Cyclohexanone > RPE - For analysis

RPE

Description Clear colourless liquid Refractive index at 20°C. 1.4477 ÷ 1.4537 Residue on evaporation ≤500 ppm Heavy metals (Pb)..... ≤2 ppm
 Identification Positive Boiling point..... 152 ÷ 157 °C Aldehydes(Formaldehyde) ≤ 0.1 % Fe ≤10 ppm
 Density at 20° C 0.941 ÷ 0.951 Water (K.F)..... ≤0.1 % Cyclohexanol..... ≤ 0.1 % Assay (GLC) ≥99.5 %

Code	Size	Packaging	Notes
437053	1 l	Glass bottle	
437052	2.5 l	Glass bottle	
437055	25 kg	Metal drum	

Cyclohexanone > RE - Pure

RE

Description Yellow clear liquid Refractive index at 20°C. 1.4457 ÷ 1.4557 Acidity(CyclohexilcarAc) ≤0.2 % Assay (GLC) ≥99 %
 Identification Positive Boiling point..... 152 ÷ 157 °C Cyclohexanol..... ≤ 0.1 %
 Density at 20° C 0.941 ÷ 0.951 Water (K.F)..... ≤0.1 % Residue on evaporation ≤500 ppm

Code	Size	Packaging	Notes
333901	1 l	Glass bottle	
333905	5 l	Aluminium can	
333902	26 kg	Metal drum	
528332	200 l	Metal drum	



Cyclohexylamine

• Cicloesilamina • Cyclohexylamine • Ciclohexilamina • Cyclohexylamin

 Synonym:
Aminocyclohexane

$\text{CH}_2(\text{CH}_2)_4\text{CHNH}_2$
 Molecular Weight: 99,18
 CAS: 108-91-8
 EEC-N: 203-629-0

Classification transport
 ONU: 2357
 Transport Hazard class: 8
 Packing group II



Danger
 H226-H302-H312-H314-H361f
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P362+P364

Cyclohexylamine > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 0.864 ÷ 0.870 Boiling point..... 134.0 ÷ 135.0 ° C Assay (alkalimetric)..... ≥99 %
 Identification Positive Refractive index at 20°C. 1.4572 ÷ 1.4612 Water (K.F) ≤ 0.3 %

Code	Size	Packaging	Notes
437104	1 l	Glass bottle	

**Cyclopentyl methyl ether**

• Ciclopentil-metil-etero • Cyclopentylméthyléter • Ciclopentil metil eter • Cyclopentylmethyl Ether

Synonym:
CPMEC₆H₁₂O

Molecular Weight: 100,16

CAS: 5614-37-9

Classification transport

ONU: 3271

Transport Hazard class: 3

Packing group II

**Danger**

H225-H302-H315-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P332+P313

Cyclopentyl methyl ether > RE - Pure**RE**

Refractive index at 20°C..... 1.4199 - 1.4219

Colour ≤ 10 Hazen

Peroxides..... ≤ 50 meq/Kg

Water content (K.F.)..... ≤ 100 mg/Kg

Assay (GC)..... ≥ 99.9 %

Code	Size	Packaging	Notes
P8010216	1 l	Glass bottle	
P8010229	5 l	Plastic tank	
P8010248	25 l	Metal drum	
P8010268	200 l	Metal drum	

**L-Cysteine**

• L-Cisteina • L-Cystéine • L-Cisteína • L-Cystein

Synonym:

*(R)-2-Amino-3-mercaptopropionic acid*HSCH₂CH(NH₂)COOH

Molecular Weight: 121,16

CAS: 52-90-4

EEC-N: 200-158-2

**Warning**

H302

P264-P270-P301+P312a-P330-P501a

L-Cysteine > RPE - For analysis**RPE**

Description White powder

Loss on drying ≤ 0.5 %

Residue on ignition ≤ 0.1 %

Identification Positive

Chloride ≤ 500 ppm

Sulphate ≤ 300 ppm

Specific optical rotation +8 ÷ +9.5 °

Heavy metals (Pb) ≤ 10 ppm

Assay with HClO₄ ≥ 98.0 % (s.s)

Code	Size	Packaging	Notes
437308	5 g	Glass bottle	
437309	100 g	Glass bottle	

**L-Cystine**

• L-Cistina • L-Cystine • L-Cistina • L-Cystin

Synonym:

*(R,R)-3,3'-Dithiobis(2-aminopropionic acid)*C₆H₁₂N₂O₄S₂

Molecular Weight: 240,3

CAS: 56-89-3

EEC-N: 200-296-3

**Danger**

H301-H315-H319-H335

P261-P271-P301+P310a-P304+P340-

P305+P351+P338-P403+P233

L-Cystine > RPE - For analysis**RPE**

Description White crystalline powder

Potere rotat. spec. (C=2; HCl 1M)... -209 ÷

Chloride ≤ 200 ppm

Residue on ignition ≤ 0.1 %

Identification Positive

-224 ° (s.s.)

Sulphate ≤ 300 ppm

Fe ≤ 10 ppm

Loss on drying ≤ 0.5 %

Ammonium ≤ 200 ppm

Heavy metals (Pb) ≤ 10 ppm

Assay (acidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
437351	10 g	Glass bottle	
437355	100 g	Glass bottle	

**Decalcifying agent**

• Decalcificante • Décalcifiant • Descalcificante • Entkalkung

Classification transportONU: 3264
Transport Hazard class: 8
Packing group III**Warning**H290
P234-P390-P406**Decalcifying agent > RS - For histology****RS**

Description Clear colourless liquid Identification Positive Titolo EDTA Na2 (mom. preparaz.) ≥ 0.26 % (p/p) Titolo HCl (mom. preparaz.) ..≥ 2.21 % (p/p)

Code	Size	Packaging	Notes
441221	1 l	Plastic bottle	In Vitro Diagnostic Medical Device

**Decane**

• Decano • Décane • Decano • Decan

CH₃(CH₂)₈CH₃
Molecular Weight: 142,28
CAS: 124-18-5
EEC-N: 204-686-4**Classification transport**ONU: 2247
Transport Hazard class: 3
Packing group III**Danger**H226-H304
P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235**Decane > RE - Pure****RE**

Refractive index at 20°C 1.408 - 1.412 Colour ≤ 10 Hazen Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P0093016	1 l	Glass bottle	

Decanedioic acid ▶ Sebacic acid**1-Decanesulfonic acid sodium salt**• Acido 1-decanosulfonico sale sodico • Acide 1-decanesulfonique sel sodique
• Acido 1-decanosulfónico sal sódica • 1-Decansulfonsäure-Natriumsalz

Synonym:

• Sodium 1-decanesulfonate

CH₃(CH₂)₉SO₃Na
Molecular Weight: 244,33
CAS: 13419-61-9**Warning**H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233**1-Decanesulfonic acid sodium salt > RS - For ion pair chromatography****RS**Description White to cream powder Absorbance (0,2M) At 230 nm ≤ 0.02 AU
Water (K.F.) ≤ 1.0 % At 210 nm ≤ 0.05 AU At 260 nm ≤ 0.02 AU
Assay ≥ 99.0 % At 220 nm ≤ 0.03 AU Solubility 5% in water Clear and colourless solution

Code	Size	Packaging	Notes
405871	25 g	Glass bottle	
405872	100 g	Plastic bottle	

**Degree of coloration of liquids: primary solutions**• Soluzioni primarie per il grado di colorazione dei liquidi • Solutions primaires pour le degré de coloration des liquides
• Soluciones primarias para el grado de coloración de líquidos • Primärlösungen für den Einfärbungsgrad von Flüssigkeiten**Degree of coloration of liquids: primary solutions > RS - For analysis according to Ph. Eur. Chap. 2.2.2****RS**

Code	Size	Packaging	Notes
612202100	100 ml	Glass bottle	Yellow primary solution
612202200	100 ml	Plastic bottle	Red primary solution
612202300	100 ml	Plastic bottle	Blue primary solution

Degree of coloration of liquids: primary solutions > RS - For analysis according to Ph.Ch.

RS

Code	Size	Packaging	Notes
618000001	100 ml	Plastic bottle	Red primary solution
618000002	100 ml	Plastic bottle	Yellow primary Solution
618000003	100 ml	Plastic bottle	Blue primary solution

Degree of coloration of liquids: primary solutions > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
612002100	100 ml	Glass bottle	Yellow primary solution
612002200	100 ml	Plastic bottle	Red primary solution
612002300	100 ml	Plastic bottle	Blue primary solution

Degree of coloration of liquids: standard solutions

- Soluzioni standard per il grado di colorazione dei liquidi • Solutions étalon pour le degré de coloration des liquides
- Soluciones estándar para el grado de coloración de líquidos • Standardlösungen für den Einfärbungsgrad von Flüssigkeiten

Classification transport

ONU: 1760
 Transport Hazard class: 8
 Packing group III

**Danger**

H290-H314-H334-H317-H350i-H412-HA26
 P280-P284-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P362+P364-
 P342+P311a

Degree of coloration of liquids: standard solutions > RS - For analysis according to Ph. Eur. Chap. 2.2.2

RS

Code	Size	Packaging	Notes
612202510	125 ml	Plastic bottle	Standard solution B (brown)
612202520	125 ml	Plastic bottle	Standard solution BY (brownish-yellow)
612202530	125 ml	Plastic bottle	Standard solution Y (yellow)
612202540	125 ml	Plastic bottle	Standard solution GY (greenish-yellow)
612202550	125 ml	Plastic bottle	Standard solution R (red)



Density Standard

• Densità standard • Etalons de densité • Patrones de densidad • Dichtestandards

Density Standard > RS - PREMIUM - For calibration

RS

Code	Size	Packaging	Notes
540401	100 ml	Glass bottle	0.6960g/ml at 15°C
540402	100 ml	Glass bottle	0.8715g/ml at 15°C
540403	100 ml	Glass bottle	1.0040g/ml at 15°C
540404	100 ml	Glass bottle	1.2498g/ml at 15°C
540405	100 ml	Glass bottle	0.6919g/ml at 20°C
540406	100 ml	Glass bottle	0.7033g/ml at 20°C
540407	100 ml	Glass bottle	0.7488g/ml at 20°C
540408	100 ml	Glass bottle	0.8668g/ml at 20°C
540409	100 ml	Glass bottle	1.0005g/ml at 20°C
540410	100 ml	Glass bottle	1.0301g/ml at 20°C
540411	100 ml	Glass bottle	1.0792g/ml at 20°C
540412	100 ml	Glass bottle	1.1651g/ml at 20°C
540413	100 ml	Glass bottle	1.2486g/ml at 20°C
540414	100 ml	Glass bottle	1.3304g/ml at 20°C
540415	100 ml	Glass bottle	1.5799g/ml at 20°C
540416	100 ml	Glass bottle	1.7470g/ml at 20°C
540417	100 ml	Glass bottle	1.9141g/ml at 20°C
540418	100 ml	Glass bottle	0.8207g/ml at 40°C
540420	100 ml	Glass bottle	0.9323g/ml at 40°C
540421	100 ml	Glass bottle	1.2408g/ml at 40°C
540422	100 ml	Glass bottle	0.9990g/ml at 60°C

In accordance with ASTM D1480-12 for testing of Density or Relative Density (specific and API gravity) by Bingham Pycnometer. For density measurement by pycnometric techniques, vibrational techniques or hydrometer based techniques

Density Standard > RS - QUALITY - For calibration

RS

Code	Size	Packaging	Notes
540451	100 ml	Glass bottle	0.7524g/ml at 15°C
540452	100 ml	Glass bottle	0.7721g/ml at 15°C
540453	100 ml	Glass bottle	0.7933g/ml at 15°C
540454	100 ml	Glass bottle	0.8168g/ml at 15°C
540455	100 ml	Glass bottle	0.8428g/ml at 15°C
540456	100 ml	Glass bottle	0.8715g/ml at 15°C
540457	100 ml	Glass bottle	0.6919g/ml at 20°C
540458	100 ml	Glass bottle	0.7033g/ml at 20°C
540459	100 ml	Glass bottle	0.7488g/ml at 20°C
540460	100 ml	Glass bottle	0.7893g/ml at 20°C
540461	100 ml	Glass bottle	0.8126g/ml at 20°C
540462	100 ml	Glass bottle	0.8384g/ml at 20°C
540463	100 ml	Glass bottle	0.8668g/ml at 20°C
540464	100 ml	Glass bottle	0.9098g/ml at 20°C
540465	100 ml	Glass bottle	0.9476g/ml at 20°C
540566	100 ml	Glass bottle	1.0005g/ml at 20°C
540567	100 ml	Glass bottle	1.0301g/ml at 20°C
540568	100 ml	Glass bottle	0.8622g/ml at 25°C
540569	100 ml	Glass bottle	0.9438g/ml at 25°C
540470	100 ml	Glass bottle	0.9969g/ml at 25°C
540471	100 ml	Glass bottle	0.9245g/ml at 50°C
540472	100 ml	Glass bottle	0.9695g/ml at 60°C
540473	100 ml	Glass bottle	0.9815g/ml at 80°C

In accordance with ASTM D4052 for testing of Density, Relative Density and API Gravity of Liquids by Digital Density Meter
For density measurement by vibrational techniques or hydrometer based techniques



Deuterium oxide-d2

• Deuterio ossido-d2 • Deutérium oxyde-d2 • Deuterio oxido-d2 • Deuteriumoxid-d

Synonym:
Heavy water

D₂O

Molecular Weight: 20,03

CAS: 7789-20-0

EEC-N: 232-148-9

Deuterium oxide-d2 > RS - For NMR - min 99.98%

RS

Code	Size	Packaging	Notes
P5179	10 x 0.75 ml	Glass ampoule	
P5175	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

Deuterium oxide-d2 > RS - For NMR - min 99.8%

RS

Code	Size	Packaging	Notes
P5169	10 x 0.75 ml	Glass ampoule	
P5164	5 x 10 ml	Glass bottle	
P5165	25 ml	Glass bottle	
P5165S	25 ml	Bottle with septum	
P5166	100 ml	Glass bottle	
P5168	1 l	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

Deuterium oxide-d2 + 0.01% DMSO
 • Deuterio ossido-d2 + 0.01% DMSO • Deutérium oxyde-d2 + 0.01% DMSO
 • Deuterio oxido-d2 + 0.01% DMSO • Deuteriumoxid-d + 0.01% DMSO

Synonym:
Heavy water

D₂O
 Molecular Weight: 20,03
 CAS: 7789-20-0
 EEC-N: 232-148-9

Deuterium oxide-d2 + 0.01% DMSO > RS - For NMR - min 99.98%

RS

Code	Size	Packaging	Notes
P5170D	10 x 0.6 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Deuterium oxide-d2 + 0.5% TSP d4
 • Deuterio ossido-d2 + 0.5% TSP d4 • Deutérium oxyde-d2 + 0.5% TSP d4
 • Deuterio oxido-d2 + 0.5% TSP d4 • Deuteriumoxid-d + 0.5% TSP d4

Synonym:
Heavy water

D₂O
 Molecular Weight: 20,03
 CAS: 7789-20-0
 EEC-N: 232-148-9

Deuterium oxide-d2 + 0.5% TSP d4 > RS - For NMR - min 99,9%

RS

Code	Size	Packaging	Notes
P5161T	10 x 0.6 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Deuterium oxide-d2 + 0.03% TSP d4
 • Deuterio ossido-d2 + 0.03% TSP d4 • Deutérium oxyde-d2 + 0.03% TSP d4
 • Deuterio oxido-d2 + 0.03% TSP d4 • Deuteriumoxid-d + 0.03% TSP d4

Synonym:
Heavy water

D₂O
 Molecular Weight: 20,03
 CAS: 7789-20-0
 EEC-N: 232-148-9

Deuterium oxide-d2 + 0.03% TSP d4 > RS - For NMR - min 99.8%

RS

Code	Size	Packaging	Notes
P5160T	10 x 0.6 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Devarda's alloy
 • Lega Devarda • Alliage de Devarda • Aleación según Devarda • Devarda-Legierung

CAS: 8049-11-4

Classification transport
 ONU: 3132
 Transport Hazard class: 4.3
 Packing group II



Danger
 H228-H261-H411
 P210-P223-P231a+P232-P241-P280-P402+P404

Devarda's alloy > RPE - For analysis

RPE

Description Greyish metallic powder Concentration in element Al ~ 45 % Zn ~ 5 %
 Identification Positive N < 10 ppm Cu ~ 50 %

Code	Size	Packaging	Notes
457625	250 g	Glass bottle	
457627	1 kg	Plastic bottle	

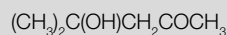
Dextrose ▶ D(+)-Glucose anhydrous

Dextrose monohydrate ▶ D(+)-Glucose monohydrate

**Diacetone alcohol**

• Diacetonalcòle • Diacétone alcool • Diacetonalcool • Diacetonalkohol

Synonym:

4-Hydroxy-4-methyl-2-pentanone

Molecular Weight: 116

CAS: 123-42-2

EEC-N: 204-626-7

**Warning**

H319-H361fd-H335

P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Diacetone alcohol > RPE - For analysis**RPE**

Description	Yellow clear liquid	Density at 25° C	0.927 ÷ 0.935	Acidity (acetic acid)	≤ 100 ppm	Assay (GLC)	≥ 99 %
Identification	Positive	Refractive index at 20°C	1.4212 ÷ 1.4272	Alcalinity (NH ₃)	≤ 10 ppm		
Water miscibility	Conform	Water (K.F.)	≤ 0.1 %	Heavy metals (Pb)	≤ 2 ppm		
Alcohol miscibility	Conform	Residue on evaporation	≤ 50 ppm	Fe	≤ 1 ppm		

Code	Size	Packaging	Notes
441771	250 ml	Glass bottle	
441774	1 l	Glass bottle	

Diacetone alcohol > RE - Pure**RE**

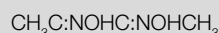
Description	Yellow clear liquid	Density at 25° C	0.926 ÷ 0.936	Water (K.F.)	≤ 0.3 %	Acidity (acetic acid)	≤ 100 ppm
Identification	Positive	Refractive index at 20°C	1.4192 ÷ 1.4292	Residue on evaporation	≤ 100 ppm	Assay (GLC)	≥ 98 %

Code	Size	Packaging	Notes
337001	1 l	Glass bottle	
337002	18 kg	Metal drum	

**Diacetyldioxime**

• Diacetildiossima • Diacétaldioxime • Diacetildioxima • Diacetyldioxim

Synonym:

*Dimethylglyoxime**2,3-Butanedione dioxime*

Molecular Weight: 116,12

CAS: 95-45-4

EEC-N: 202-420-1

**Warning**

H302

P264-P270-P301+P312a-P330-P501a

Diacetyldioxime > RPE - For analysis - ACS**RPE**

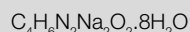
Description	White crystalline powder	Suitability for Ni det.	Conform	Alcohol-insolub. matter	≤ 0.05 %
Identification	Positive	Melting point	239 ÷ 241 °C		

Code	Size	Packaging	Notes
441553	50 g	Glass bottle	

Reagent for the spectrophotometric determination of: Co (III), Fe (II), Ni (II), Pd (II)**Diacetyldioxime sodium salt**

• Diacetildiossima sale sodico • Diacétaldioxime sel sodique • Diacetildioxima sal sódica • Diacetyldioximnatriumsalz

Synonym:

Dimethylglyoxime disodium salt octahydrate

Molecular Weight: 304,09

CAS: 75006-64-3

EEC-N: 262-523-2

**Warning**

H302

P264-P270-P301+P312a-P330-P501a

Diacetyldioxime sodium salt > RPE - For analysis**RPE**

Description	White powder	Suitability for Ni det.	Conform	Solubility (50mg/ml,50%EtOH)	Conform
Identification	Positive	Water (K.F.)	43 - 48 %	Assay (gravimetric)	≥ 98.5 %

Code	Size	Packaging	Notes
441623	50 g	Glass bottle	
441625	250 g	Glass bottle	

For precipitation of metals

Diacetyldioxime solution 1% in ethanol
 • Diacetildiosima soluzione 1% in alcole etilico • Diacétyldioxime solution 1% dans l'éthanol
 • Diacetildioxima solución 1% en alcohol etilico • Diacetyldioximlösung 1% in Ethanol

Synonym:
 • Dimethylglyoxime
 • 2,3-Butanedione dioxime

CH₃C:NOHC:NOHCH₃
 Molecular Weight: 116,12
 CAS: 95-45-4

Classification transport
 ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Diacetyldioxime solution 1% in ethanol > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 15° C 0.813 ÷ 0.819

Code	Size	Packaging	Notes
E441581	500 ml	Bottle	

Indicator for determining metals

1,2-Diaminoethane ▶ Ethylenediamine

Diatomaceous earth ▶ Kieselguhr composed

Dibenzoylmethane
 • Dibenzoilmetano • Dibenzoylméthane • Dibenzoilmetano • Dibenzoylmethan

(C₆H₅CO)₂CH₂
 Molecular Weight: 224,26
 CAS: 120-46-7
 EEC-N: 204-398-9

Dibenzoylmethane > RPE - For analysis

RPE

Description Yellowish crystalline powder Melting point 77.0 ÷ 79.0 ° C Residue on ignition ≤500 ppm
 Identification Positive Water (K.F.) ≤0.1 % Assay (GLC) ≥ 97 %

Code	Size	Packaging	Notes
441873	25 g	Glass bottle	

Dibenzoyl peroxide
 • Dibenzoil perossido • Benzoyle peroxyde • Dibenzoil peróxido • Dibenzoylperoxid

Synonym:
 Benzoyl peroxide

(C₆H₅CO)₂O₂
 Molecular Weight: 242,22
 CAS: 94-36-0
 EEC-N: 202-327-6

Classification transport
 ONU: 3104
 Transport Hazard class: 5.2
 Packing group -



Danger
 H241-H319-H317-H410
 P210-P261-P280-P305+P351+P338-
 P337+P313-P410

Dibenzoyl peroxide > RE - Pure

RE

Description White granular powder Identification Positive Assay (oxidimetric) ≥ 62.4 %

Code	Size	Packaging	Notes
427345	250 g	Plastic bottle	
427347	1 kg	Plastic bottle	



Di-n-butylphthalate

• n-Dibutilftalato • n-Dibutyle phtalate • n-Dibutiloftalato • Dibutylphthalat

Synonym:

Phthalic acid dibutyl ester

$C_6H_4[COOC_4H_9]_2$
Molecular Weight: 278,35
CAS: 84-74-2
EEC-N: 201-557-4



Danger

H360Df-H400-HA26
P273-P280-P308+P313-P391-P405-P501a

Di-n-butylphthalate > ERBAPharm - According to pharmacopoeia: Ph.Eur.

ERBAPharm

Description . Clear colourless to very slightly yellow liq. Acidity Conform Ph.Eur. Sulphated ash ≤ 0.1 % Refractive index at 20°C 1.490 ÷ 1.495
Appearance of solution Conform Ph.Eur. Related substances (GLC) ≤ 1.0 % Assay (alkalimetric) 99.0 ÷ 101.0 % Origin (BSE/TSE) Synthesis
Identification Positive Water (K.F.) ≤ 0.2 % Density at 20°C 1.043 ÷ 1.048 Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
325701	26 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Dicalite 4158

• Dicalite 4158 • Dicalite 4158 • Dicalite 4158 • Dicalite 4158

CAS: 93763-70-3

Dicalite 4158 > RE - For filtration

RE

Permeability (PRFv) 90 - 165 Wet cake density ≤ 13.6 lbs/ft³ Float ≤ 30 ml/20g

Code	Size	Packaging	Notes
P8880014	500 g	Plastic bottle	
P8880017	1 kg	Plastic bottle	
P8880027	5 kg	Plastic bucket	

Substitute to CELITE 545



Dichloroacetic acid

• Acido dicloroacetico • Acide dichloroacétique • Acido dicloroacético • Dichloressigsäure

$CHCl_2COOH$
Molecular Weight: 128,94
CAS: 79-43-6
EEC-N: 201-207-0

Classification transport

ONU: 1764
Transport Hazard class: 8
Packing group II



Danger

H311-H314-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P361+P364

Dichloroacetic acid > RPE - For analysis

RPE

Description Clear liquid Colour ≤ 50 APHA Refractive index at 20°C 1.4648 ÷ 1.4668
Identification Positive Density at 20° C 1.562 ÷ 1.572 Assay (acidimetric) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
405101	250 ml	Glass bottle	
405103	1 l	Glass bottle	


Dichloroacetic acid > RE - Pure

RE

Description Clear liquid Freezing point ≥ 12 °C Assay (acidimetric) ≥ 99 %
Identification Positive Water (KF) ≤ 0.3 %

Code	Size	Packaging	Notes
303151	1 l	Glass bottle	

m-Dichlorobenzene
 • m-Diclorobenzolo • m-Dichlorobenzène • m-Diclorobenceno • m-Dichlorbenzol
 Synonym: 1,3-Dichlorobenzene

<chem>C6H4Cl2</chem> Molecular Weight: 147 CAS: 541-73-1 EEC-N: 208-792-1	Classification transport ONU: 2810 Transport Hazard class: 6.1 Packing group III	 Warning H302-H411 P264-P270-P301+P312a-P330-P391-P501a
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m-Dichlorobenzene > RPE - For analysis

RPE

Description ... Colourless or yellowish liquid	Density at 20° C 1.283 ÷ 1.293	Boiling point 171 ÷ 173 °C	Assay (GLC) ≥ 99 %
Identification Positive	Refractive index at 20°C. 1.5435 ÷ 1.5485	Residue on ignition ≤ 100 ppm	

Code	Size	Packaging	Notes
442353	100 ml	Glass bottle	

o-Dichlorobenzene
 • o-Diclorobenzolo • o-Dichlorobenzène • o-Diclorobenceno • o-Dichlorbenzol
 Synonym: 1,2-Dichlorobenzene

<chem>C6H4Cl2</chem> Molecular Weight: 147 CAS: 95-50-1 EEC-N: 202-425-9	Classification transport ONU: 1591 Transport Hazard class: 6.1 Packing group III	 Warning H302-H332-H315-H319-H335-H410 P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233
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o-Dichlorobenzene > RPE - For analysis

RPE

Description Clear liquid	Refractive index at 20°C 1.5450 ÷ 1.5520	Acidity (HCl) ≤500 ppm
Identification Positive	Water (K.F.) ≤500 ppm	Free chlorine ≤1 ppm
Density at 20° C 1.299 ÷ 1.311	Residue on evaporation ≤50 ppm	Assay (GLC) ≥99 %

Code	Size	Packaging	Notes
442301	500 ml	Glass bottle	

o-Dichlorobenzene > RE - Pure

RE

Description Clear liquid	Identification Positive	Assay (GLC) ≥98 %
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Code	Size	Packaging	Notes
337251	1 l	Glass bottle	

p-Dichlorobenzene
 • p-Diclorobenzolo • p-Dichlorobenzène • p-Diclorobenceno • p-Dichlorbenzol
 Synonym: 1,4-Dichlorobenzene

<chem>C6H4Cl2</chem> Molecular Weight: 147 CAS: 106-46-7 EEC-N: 203-400-5	 Warning H319-H351-H410 P264-P280-P305+P351+P338-P308+P313-P337+P313-P501a
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p-Dichlorobenzene > RPE - For analysis

RPE

Description White crystals	Melting point 52.0 ÷ 54.0 °C	Assay (GLC) ≥99 %
Identification Positive	Residue on ignition ≤500 ppm	

Code	Size	Packaging	Notes
442406	500 g	Plastic bottle	
442407	1 kg	Plastic bottle	

p-Dichlorobenzene > RE - Pure

RE

Description White crystals	Identification Positive	Melting point 52 ÷ 56 °C	Assay (GLC) ≥ 96.0 %
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Code	Size	Packaging	Notes
337307	1 kg	Plastic bottle	
337303	25 kg	Plastic bucket	

**1,2-Dichlorobenzene-d4**

• 1,2-Diclorobenzene-d4 • 1,2-Dichlorobenzène-d4 • 1,2-Diclorobenceno-d4 • 1,2-Dichlorbenzol-d4

Synonym:

*Tetradetero-1,2-dichlorobenzene*C6D4Cl2

Molecular Weight: 151,03

CAS: 2199-69-1

Classification transport

ONU: 1591

Transport Hazard class: 6.1

Packing group III

**Warning**

H302-H315-H319-H335-H410

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

1,2-Dichlorobenzene-d4 > RS - For NMR - min 99%

RS

Code	Size	Packaging	Notes
P5533A	5 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis**1,2-Dichloroethane**

• 1,2-Etano dicloro • 1,2-Dichloroéthane • 1,2-Dicloroetano • 1,2-Dichlorethan

Synonym:

• *Ethylene dichloride*• *sym-Dichlorethane*CH2ClCH2Cl

Molecular Weight: 98,97

CAS: 107-06-2

EEC-N: 203-458-1

Classification transport

ONU: 1184

Transport Hazard class: 3

Packing group II

**Danger**

H225-H302-H331-H315-H319-H350-H335-HA26

P210-P280-P303+P361+P353-P304+P340-

P305+P351+P338-P308+P313-P330-P362+P364-

P403+P233

1,2-Dichloroethane > RS - For HPLC - Isocratic Grade

RS

Clear, colourless liq. appearance Conform	Water content (K.F.) ≤ 100 mg/Kg	UV transmittance at 255 nm ≥ 90 %	Non volatile residue ≤ 5 mg/Kg
Identification Conform	UV transmittance at 240 nm ≥ 20 %	UV transmittance at 260 nm ≥ 98 %	
Colour ≤ 10 Apha	UV transmittance at 245 nm ≥ 55 %	Free acid (as HCl) ≤ 5 mg/Kg	
Refractive index at 20°C 1.443 - 1.447	UV transmittance at 250 nm ≥ 78 %	Assay (GC) ≥ 99.8 %	

Code	Size	Packaging	Notes
447191	1 l	Glass bottle	
447192	2.5 l	Glass bottle	

1,2-Dichloroethane > RS - SPECTROSOL - For optical spectroscopy

RS

Clear, colourless liq. appearance Conform	Colour ≤ 10 Hazen	UV transmittance at 240 nm ≥ 90 %	Free acid (as HCl) ≤ 5 mg/Kg
Refractive index at 20°C 1.443 - 1.447	UV transmittance at 225 nm ≥ 10 %	UV transmittance at 250 nm ≥ 95 %	Assay (GC) ≥ 99.8 %
Water content (K.F.) ≤ 100 mg/Kg	UV transmittance at 230 nm ≥ 50 %	UV transmittance at 260 nm ≥ 99 %	Non volatile residue ≤ 5 mg/Kg

Code	Size	Packaging	Notes
P0282716	1 l	Glass bottle	

1,2-Dichloroethane > RS - Anhydrous - For analysis

RS

Refractive index at 20°C 1.443 - 1.447	Non volatile residue ≤ 10 mg/Kg	Free acid (as HCl) ≤ 5 mg/Kg
Water content (K.F.) ≤ 100 mg/Kg	Colour ≤ 10 Hazen	Assay (GC) ≥ 99.8 %

Code	Size	Packaging	Notes
P0281010	200 ml	Bottle with septum	
P0281016	1 l	Glass bottle	
P0281021	2.5 l	Glass bottle	

1,2-Dichloroethane > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear liquid	Distillation range (≥ 95%) 82 ÷ 84 ° C	Total phosphorus ≤ 0.5 ppm	K ≤ 0.2 ppm
Colour (APHA) ≤ 10	Acidity ≤ 0.0003 meq/g	Total silicon ≤ 0.05 ppm	Mg ≤ 0.1 ppm
Identification Positive	Water (K.F.) ≤ 200 ppm	Total sulphur ≤ 0.5 ppm	Na ≤ 0.5 ppm
Density at 20° C 1.248 ÷ 1.264	Residue on evaporation ≤ 10 ppm	Ca ≤ 0.5 ppm	Pb ≤ 0.02 ppm
Refractive index at 20° C 1.4418 ÷ 1.4478	Free chlorine ≤ 1 ppm	Cu ≤ 0.05 ppm	Zn ≤ 0.2 ppm
Boiling point 83.0 ÷ 84.0 ° C	Subst. reducing KMnO4 ≤ 10 ppm	Fe ≤ 0.5 ppm	Assay (GLC) ≥ 99.8 %

Code	Size	Packaging	Notes
447121000	1 l	Glass bottle	

1,2-Dichloroethane > RE - Pure

RE

Description	Clear liquid	Refractive index at 20°C. 1.4398 ÷ 1.4498	Water (K.F.)	≤300 ppm	Acidity (HCl)	≤ 10 ppm
Water content (K.F.)	≤ 300 mg/Kg	Colour	Assay (GC)	≥ 99.8 %		
Identification	Positive	Colour (APHA)	Assay (GLC)	≥99.8 %		
Non volatile residue	≤ 50 mg/Kg	Free acid (as HCl)	Residue on evaporation	≤ 50 ppm		



Code	Size	Packaging	Notes
340151	1 l	Glass bottle	
P0280228	5 l	Plastic tank	
340155	34 kg	Metal drum	
P0280268	200 l	Metal drum	



Dichloromethane

• Diclorometano • Dichlorométhane • Diclorometano • Dichlormethan

Synonym:
Methylene chloride

CH ₂ Cl ₂ Molecular Weight: 84,93 CAS: 75-09-2 EEC-N: 200-838-9	Classification transport ONU: 1593 Transport Hazard class: 6.1 Packing group III	  Warning H315-H319-H351-H335-H336-H373 P271-P280-P304+P340-P305+P351+P338- P308+P313-P403+P233
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Dichloromethane > RS - For HPLC - Isocratic grade - Stabilized with amylene

RS

Description	Clear colourless liquid	Boiling point.....	39.6 ÷ 40.1 ° C	Assay (GLC)	≥99.9 %	at 250 nm	≥96 %
Identification	Positive	Acidity	≤ 0.0001 meq/g	U.V. Transmittance		at 260 nm	≥99 %
Density at 20° C	1.322 ÷ 1.328	Water (K.F.)	≤100 ppm	At 235 nm	≥ 40 %	Amylene	≤ 60 ppm
Refractive index at 20°C. 1.4214 ÷ 1.4274		Residue on evaporation	≤2 ppm	at 240 nm	≥70 %	Alkalinity	≤ 0.0002 meq/g

Code	Size	Packaging	Notes
412621000	1 l	Glass bottle	
412622000	2.5 l	Glass bottle	

Dichloromethane > RS - For HPLC - Isocratic grade - Stabilized with ethanol

RS

Description	Clear colourless liquid	Refractive index at 20°C. 1.4214 ÷ 1.4274	Water (K.F.)	≤ 100 ppm	at 245 nm	≥ 90 %	
Identification	Positive	Acidity (Formic acid)	≤ 5 ppm	Transmittance U.V.	at 255 nm	≥ 96 %	
Boiling point.....	39.55 ÷ 40.05 ° C	Residue on evaporation	≤ 5 ppm	at 235 nm	≥ 40 %	at 260 nm	≥ 99 %
Density at 20°C	1.322 ÷ 1.328	Ethanol	0.1 ÷ 0.4 %	at 240 nm	≥ 75 %	Assay (GLC)	≥ 99.9 %

Code	Size	Packaging	Notes
412662	1 l	Glass bottle	
412661	2.5 l	Glass bottle	

Dichloromethane > RS - For preparative HPLC - Stabilized with amylene

RS

Description	Clear colourless liquid	Boiling point.....	39.6 ÷ 40.1 ° C	U.V. Transmittance		Alkalinity	≤ 0.0002 meq/g
Identification	Positive	Water (K.F.)	≤500 ppm	at 240 nm	≥50 %		
Density at 20° C	1.322 ÷ 1.328	Residue on evaporation	≤5 ppm	at 260 nm	≥98 %		
Refractive index at 20°C. 1.4214 ÷ 1.4274		Assay (GLC)	≥99.5 %	Amylene	20 ÷ 60 ppm		

Code	Size	Packaging	Notes
463281	2.5 l	Glass bottle	

Dichloromethane > RS - For preparative HPLC - Stabilized with ethanol

RS

Description	Clear colourless liquid	Refractive index at 20°C. 1.4214 ÷ 1.4274	Residue on evaporation	≤ 5 ppm	at 260 nm	≥ 98 %
Colour	≤ 10 APHA	Boiling point.....	39.3 ÷ 40.3 ° C	Assay (GLC)	≥ 99.5 %	
Identity (IR)	Positive	Alkalinity (NH ₃)	≤ 5 ppm	Transmittance U.V.		
Density at 20°C	1.322 ÷ 1.328	Water (K.F.)	≤ 500 ppm	at 240 nm	≥ 50 %	

Code	Size	Packaging	Notes
463291	2.5 l	Glass bottle	

Dichloromethane > RS - For GC-MS - Stabilized with ethanol

RS

Appearance	Clear colourless liquid	Residue on evaporation	≤ 3 ppm	Carbon tetrachloride	≤ 20 ppm	Ret.range n-undecane to n-tetracontane
Refractive index at 20°C	1.422 - 1.426	Acidity (HCl)	≤ 5 ppm	Chloroform	≤ 40 ppm	
Water (K.F.)	≤ 100 ppm	Assay (GC) (without stabilizer) ...	≥ 99.95 %	GC-MS.Individual peak (n-hexadecane) .	≤ 2	
Colour	≤ 10 APHA	Stabilizer (Ethanol)	0.1 - 0.4 % (w/w)	µg/L		

Code	Size	Packaging	Notes
463332	1 l	Glass bottle	

Dichloromethane > RS - For GC-MS - Stabilized with amylene

RS

Appearance	Clear colourless liquid	Residue on evaporation	≤ 3 ppm	Carbon tetrachloride	≤ 20 ppm	Ret.range n-undecane to n-tetracontane
Refractive index at 20°C	1.422 - 1.426	Acidity (HCl)	≤ 5 ppm	Chloroform	≤ 50 ppm	
Water (K.F.)	≤ 100 ppm	Assay (GC)	≥ 99.95 %	GC-MS.Individual peak (n-hexadecane) .	≤ 2	
Colour	≤ 10 APHA	Amylene	30 - 60 ppm	µg/L		

Code	Size	Packaging	Notes
463342	1 l	Glass bottle	

Dichloromethane > RS - ATRASOL - For analysis of volatile traces - Stabilized with amylene

RS

Appearance	Clear colourless liquid	Chloroform	≤ 50 mg/Kg	GC-ECD.Individual peak (Lindane) .	≤ 2 ng/L	PAH test (according to ISO 17993) ..Passes test
Refractive index at 20°C	1.422 - 1.426	Non volatile residue	≤ 3 mg/Kg	Ret.range 1,2,4-trichlorobenzene		
Water content (K.F.)	≤ 100 mg/Kg	Carbon tetrachloride	≤ 20 mg/Kg	GC-FID.Individual peak (n-hexadecane) .	≤ 2	Test against standard (each 16 PAH) .
Colour	≤ 10 Hazen	Assay (GC)	≥ 99.95 %	µg/L		to decachlorobiphenyle
Free acid (as HCl)	≤ 5 mg/Kg	Stabilizer (Amylene)	20 - 60 mg/Kg	Ret.range n-undecane to n-tetracontane		

Code	Size	Packaging	Notes
P02932A16	1 l	Glass bottle	
P02932A21	2.5 l	Glass bottle	
P02932A82	4 l	Glass bottle	

16 selected PAHs tested according to ISO 17993:2002, each max 0,1µg/l**Dichloromethane > RS - ATRASOL - For analysis of volatile traces - Stabilized with ethanol**

RS

Appearance	Clear colourless liquid	Non volatile residue	≤ 3 mg/Kg	Ret.range 1,2,4-trichlorobenzene	test	Test against standard (each 16 PAH) .
Refractive index at 20°C	1.422 - 1.426	Carbon tetrachloride	≤ 20 mg/Kg	to decachlorobiphenyle		≤ 0.1
Water content (K.F.)	≤ 100 mg/Kg	Assay (GC) (without stabilizer) ...	≥ 99.95 %	GC-FID.Individual peak (n-hexadecane) .	≤ 2	µg/l
Colour	≤ 10 Hazen	Stabilizer (Ethanol)	0.1 - 0.4 % m/m	µg/L		
Free acid (as HCl)	≤ 5 mg/Kg	GC (FID) - NC Atrasol	Conform	Ret.range n-undecane to n-tetracontane		
Chloroform	≤ 40 mg/Kg	GC-ECD.Individual peak (Lindane) .	≤ 2 ng/L	PAH test (according to ISO 17993) ..Passes		

Code	Size	Packaging	Notes
P02932E16	1 l	Glass bottle	
P02932E21	2.5 l	Glass bottle	

16 selected PAHs tested according to ISO 17993:2002, each max 0,1µg/l**Dichloromethane > RS - PESTIPUR - For pesticide analysis - Stabilized with amylene**

RS

Description	Clear liquid	Water	≤ 0.01 %	GC-NPD (Ethylparathion standard) ..	≤ 3 ng/l	Test against standard (each 16 PAH) ..
Identification	Positive	Not volatile residue	≤ 5 mg/kg	Stabilizer (Amylene)	20 - 50 mg/Kg	µg/l
Colour	≤ 10 hazen	Free acid (as HCl)	≤ 5 mg/kg	PAH test (according to ISO 17993) ..	Passes	
Assay (GLC)	≥ 99.9 %	GC-ECD (Lindane standard)	≤ 3 ng/l	test		

Code	Size	Packaging	Notes
442291	1 l	Glass bottle	
442292000	2.5 l	Glass bottle	
442294	4 l	Glass bottle	

16 selected PAHs tested according to ISO 17993:2002, each max 0,1µg/l

Dichloromethane > RS - PESTIPUR - For pesticide analysis - Stabilized with ethanol

RS

Refractive index at 20°C..... 1.422 - 1.426	Free acid (as HCl)..... ≤ 5 mg/Kg	Retention time trichlorobenzene to mirex	PAH test (according to ISO 17993) .. Passes test Test against standard (each 16 PAH) .. ≤0.1 µg/l
Water content (K.F.)..... ≤ 100 mg/Kg	Non volatile residue..... ≤ 5 mg/Kg	GC-NPD.Individual peak (Ethylparathion) ≤ 3 ng/l	
Colour..... ≤ 10 Hazen	Assay (GC) (without stabilizer)..... ≥ 99.9 %	Retention time Atrazin to Coumaphos	
Stabilizer (Ethanol)..... 0.1 - 0.4 % m/m	GC-ECD.Individual peak (Lindane) .. ≤ 3 ng/l		

Code	Size	Packaging	Notes
442261	1 l	Glass bottle	
442262	2.5 l	Glass bottle	

16 selected PAHs tested according to ISO 17993:2002

Dichloromethane > RS - SPECTROSOL - For optical spectroscopy - Stabilized with amylene

RS

Description..... Clear colourless liquid	Water (K.F.)..... ≤100 ppm	at 365 nm..... ≤2 ppb	at 260 nm..... ≥95 %
Colour (APHA)..... ≤10	Residue on evaporation..... ≤5 ppm	U.V. Transmittance	Amylene..... 20 ÷ 60 ppm
Identification (I.R.)..... Positive	Acidity..... ≤0.0005 meq/g	at 235 nm..... ≥35 %	Alkalinity..... ≤ 0.0002 meq/g
Density at 20° C..... 1.322 ÷ 1.328	Assay (GLC)..... ≥99.9 %	at 240 nm..... ≥70 %	
Refractive index at 20°C. 1.4214 ÷ 1.4274	Fluorescence	at 245 nm..... ≥90 %	
Boiling point..... 39.6 ÷ 40.1 ° C	at 254 nm..... ≤2 ppb	at 250 nm..... ≥95 %	

Code	Size	Packaging	Notes
442371	1 l	Glass bottle	
P02927A21	2.5 l	Glass bottle	

Dichloromethane > RS - SPECTROSOL - For optical spectroscopy - Stabilized with ethanol

RS

Description..... Clear colourless liquid	Water (K.F.)..... ≤100 ppm	at 254 nm..... ≤2 ppb	at 250 nm..... ≥95 %
Colour (APHA)..... ≤10	Residue on evaporation..... ≤5 ppm	at 365 nm..... ≤2 ppb	at 260 nm..... ≥99 %
Identification (I.R.)..... Positive	Acidity..... ≤0.0005 meq/g	U.V. Transmittance	Stabilizer (Ethanol)..... 0.1 ÷ 0.4 %
Density at 20° C..... 1.322 ÷ 1.328	Alcalinity..... ≤0.0002 meq/g	at 235 nm..... ≥35 %	
Refractive index at 20°C. 1.4214 ÷ 1.4274	Assay (GLC)..... ≥99.9 %	at 240 nm..... ≥70 %	
Boiling point..... 39.6 ÷ 40.1 ° C	Fluorescence	at 245 nm..... ≥90 %	

Code	Size	Packaging	Notes
463025	1 l	Glass bottle	

Dichloromethane > RS - Anhydrous - For analysis - Stabilized with amylene

RS

Refractive index at 20°C..... 1.422 - 1.426	Colour..... ≤ 10 Hazen	Free acid (as HCl)..... ≤ 3 mg/Kg
Water content (K.F.)..... ≤ 50 mg/Kg	Assay (GC)..... ≥ 99.95 %	Carbon tetrachloride..... ≤ 20 mg/Kg
Non volatile residue..... ≤ 10 mg/Kg	Stabilizer (Amylene)..... 20 - 60 mg/Kg	Chloroform..... ≤ 50 mg/Kg

Code	Size	Packaging	Notes
P02910A10	200 ml	Bottle with septum	
P02910AT10	200 ml	Bottle with septum	On molecular sieves 4A
P02910A16	1 l	Glass bottle	
P02910AT16	1 l	Glass bottle	On molecular sieves 4A
P02910A21	2.5 l	Glass bottle	
P02910A48	25 l	Metal drum	

Dichloromethane > RS - Anhydrous - For analysis - Stabilized with ethanol

RS

Refractive index at 20°C..... 1.422 - 1.426	Colour..... ≤ 10 Hazen	Free acid (as HCl)..... ≤ 3 mg/Kg
Water content (K.F.)..... ≤ 50 mg/Kg	Assay (GC) (without stabilizer)..... ≥ 99.95 %	Carbon tetrachloride..... ≤ 20 mg/Kg
Non volatile residue..... ≤ 10 mg/Kg	Stabilizer (Ethanol)..... 0.1 - 0.4 % m/m	Chloroform..... ≤ 40 mg/Kg

Code	Size	Packaging	Notes
P02910E10	200 ml	Bottle with septum	
P02910E16	1 l	Glass bottle	
P02910E21	2.5 l	Glass bottle	

Dichloromethane > RS - RSE - For electronic use - Stabilized with amylene**RS**

Description	Clear liquid	Heavy metals (Pb).....	≤0.1 ppm	Cr.....	≤0.01 ppm	Pb.....	≤0.02 ppm
Colour (APHA)	≤10	Ag.....	≤0.02 ppm	Cu.....	≤0.01 ppm	Pt.....	≤0.05 ppm
Identification	Positive	Al.....	≤0.05 ppm	Fe.....	≤0.1 ppm	Sb.....	≤0.01 ppm
Density at 20° C	1.322 ÷ 1.328	As.....	≤0.01 ppm	Ga.....	≤0.02 ppm	Sn.....	≤0.02 ppm
Boiling point.....	39.6 ÷ 40.1 ° C	Au.....	≤0.05 ppm	In.....	≤0.02 ppm	Sr.....	≤0.02 ppm
Resistivity	≥1 Mohm.cm	B.....	≤0.01 ppm	K.....	≤0.1 ppm	Ti.....	≤0.05 ppm
Assay (GLC)	≥99.5 %	Ba.....	≤0.1 ppm	Li.....	≤0.02 ppm	Tl.....	≤0.05 ppm
Water (K.F.)	≤100 ppm	Be.....	≤0.02 ppm	Mg.....	≤0.1 ppm	V.....	≤0.05 ppm
Residue on evaporation	≤5 ppm	Bi.....	≤0.02 ppm	Mn.....	≤0.01 ppm	Zr.....	≤0.05 ppm
Acidity (HCl)	≤10 ppm	Ca.....	≤0.2 ppm	Mo.....	≤0.05 ppm	Zn.....	≤0.05 ppm
Chloride.....	≤0.5 ppm	Cd.....	≤0.01 ppm	Na.....	≤0.2 ppm	Stabilized with amylene	20 ÷ 60 ppm
Free chlorine.....	≤0.2 ppm	Co.....	≤0.01 ppm	Ni.....	≤0.01 ppm	Alcalinity (NH3).....	≤ 1 ppm

Code	Size	Packaging	Notes
463162	1 l	Glass bottle	
463161	2.5 l	Glass bottle	

Dichloromethane > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP - Stabilized with amylene**RPE**

Description	Clear liquid	Boiling point.....	39.6 ÷ 40.1 ° C	Ba.....	≤0.1 ppm	Mn.....	≤0.02 ppm
Colour (APHA)	≤10	Water (K.F.)	≤100 ppm	Ca.....	≤0.5 ppm	Ni.....	≤0.02 ppm
Identification (I.R.).....	Conform	Residue on evaporation	≤10 ppm	Cd.....	≤0.05 ppm	Pb.....	≤0.1 ppm
Ready carbonizable substances.....	Conform	Acidity	≤0.0003 meq/g	Co.....	≤0.02 ppm	Sn.....	≤0.1 ppm
Alcohol miscibility.....	Complete	Amylene	20 ÷ 60 ppm	Cr.....	≤0.02 ppm	Zn.....	≤0.1 ppm
Diethyl ether miscib.....	Complete	Chloride.....	≤1 ppm	Cu.....	≤0.02 ppm	Assay (GLC)	≥99.9 %
Density at 20° C	1.322 ÷ 1.328	Al.....	≤0.5 ppm	Fe.....	≤0.1 ppm	Free halogens	Conform
Refractive index at 20°C.....	1.4214 ÷ 1.4274	B.....	≤0.02 ppm	Mg.....	≤0.1 ppm		

Code	Size	Packaging	Notes
463311	1 l	Glass bottle	
463314	2.5 l	Glass bottle	
524319	10 l	Plastic tank	
463318	20 kg	Drum	
524314	200 l	Metal drum	

Dichloromethane > RPE - For analysis - ACS - Stabilized with ethanol**RPE**

Description	Clear colourless liquid	Free chlorine.....	≤ 0.1 ppm	Ba (Barium).....	≤ 0.1 ppm	Mn (manganese)	≤0.02 ppm
Color	≤10 APHA	Identity (IR).....	Positive	Ca (Calcium)	≤ 0.5 ppm	Ni (Nickel).....	≤ 0.02 ppm
Density at 20°C	1.322 ÷ 1.328	Read. carboniz. subs.....	Conform	Cd (Cadmium).....	≤ 0.05 ppm	Pb (Lead)	≤ 0.1 ppm
Refractive index at 20°C.....	1.4214 ÷ 1.4274	Residue on evaporation	≤ 10 ppm	Co (Cobalt).....	≤ 0.02 ppm	Sn (Tin).....	≤0.1 ppm
Boiling point.....	39.3 ÷ 40.3 ° C	Water (K.F.)	≤ 100 ppm	Cr (Chromium)	≤ 0.02 ppm	Zn (Zinc)	≤ 0.1 ppm
Acidity (Hydrochloric ac.).....	≤ 3 ppm	Assay (GLC)	≥ 99.9 %	Cu (Copper)	≤ 0.02 ppm		
Chloride (Cl)	≤ 1 ppm	Al (Aluminium).....	≤ 0.5 ppm	Fe (Iron).....	≤ 0.1 ppm		
Ethyl alcohol	≤ 0.2 %	B (Boron)	≤ 0.02 ppm	Mg (magnesium)	≤0.1 ppm		

Code	Size	Packaging	Notes
463001	1 l	Glass bottle	
463003	2.5 l	Glass bottle	
463002	5 l	Plastic tank	
463008	250 kg	Metal drum	

Dichloromethane > ERBApharm - According to pharmacopoeia: NF - Stabilized with ethanol**ERBApharm**

Description	Conform	Residue on evaporation	≤ 20 ppm	Free chlorine.....	Conform USP-NF	Ethanol.....	# 0,2 %
Identification (I.R.).....	Positive	Acidity	≤ 10 ppm	Water (K.F.)	≤ 200 ppm		
Density d25/25.....	1,318 ÷ 1,322	Heavy metals (Pb).....	≤ 1 ppm	Assay (GLC)	≥ 99.0 %		

Code	Size	Packaging	Notes
354501	1 l	Glass bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Dichloromethane > ERBapharm - According to pharmacopoeia: Ph.Eur.-NF - Stabilized with amylene

ERBapharm

Description	Clear colourless liquid	Density at 20°C	1.320 - 1.332	Residue on evaporation	≤ 20 ppm	Amylene	20 ÷ 60 ppm
Colour	≤ 10 APHA	Density at 25°C	1.318 ÷ 1.322	Heavy metals (Pb).....	≤ 1 ppm	Carbon tetrachloride.....	≤ 10 ppm (v/v)
Identification	Positive Ph.Eur.	Refractive index at 20°C.....	1.423 - 1.425	Free chlorine.....	Conform USP-NF	Chloroforme.....	≤ 50 ppm (v/v)
Appearance of solution	Clear colourless liquid Ph. Eur.	Acidity	Pass test Ph.Eur.	Related substances (CPG).....	≤ 0.1 %	Origin (BSE/TSE).....	Synthesis
		Water (K.F.)	≤ 200 ppm	Assay (GLC)	≥ 99.9 %		

Code	Size	Packaging	Notes
337331	1 l	Glass bottle	
337333	2.5 l	Glass bottle	
337335	25 l	Metal drum	
337337	200 l	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Dichloromethane > ERBapharm - According to pharmacopoeia: Ph.Eur. - Stabilized with ethanol

ERBapharm

Description	Conform Ph.Eur.	Density at 20°C	1.320 ÷ 1.332	Free chlorine.....	Conform Ph.Eur.	Amylene	≤ 0.03 %
Colour	≤ 10 APHA	Indice di rifraz.	1.423 ÷ 1.425	Heavy metals (Pb).....	≤ 1 ppm	Carbon tetrachloride.....	≤ 10 ppm (v/v)
Identification	Positive Ph.Eur.	Acidity	Conform Ph.Eur.	Related compounds.....	≤ 0.1 %	Chloroforme.....	≤ 50 ppm (v/v)
Appearance of solution	Clear colourless liquid Ph.Eur.	Residue on evaporation	≤ 10 ppm	Assay (GLC)	≥ 99.95 %		
		Water (K.F.)	≤ 100 ppm	Ethanol.....	≤ 2.0 %		

Code	Size	Packaging	Notes
525320	2.5 l	Glass bottle	
525321	200 l	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Dichloromethane > RE - Pure - stabilized with amylene

RE

Description	Clear colourless liquid	Refractive index at 20°C.	1.4194 ÷ 1.4294	Residue on evaporation	≤ 20 ppm	Amylene	20 ÷ 60 ppm
Colour	≤ 10 APHA	Boiling point.....	39.1 ÷ 40.6 °C	Water (K.F.)	≤ 200 ppm		
Density at 20°C	1.320 ÷ 1.330	Acidity (HCl)	≤ 10 ppm	Assay (GLC)	≥ 99.8 %		

Code	Size	Packaging	Notes
528461	5 l	Plastic tank	
528464	10 l	Plastic tank	
528463	25 l	Plastic tank	
528462	200 l	Metal drum	

Dichloromethane > RE - Pure - Stabilized with ethanol

RE

Description	Clear colourless liquid	Refractive index at 20°C.....	1.4194 ÷ 1.4294	Residue on evaporation	≤ 20 ppm	Assay (GLC)	≥ 99.8 %
Color	< 10 APHA	Boiling point.....	39.3 ÷ 40.3 °C	Water (K.F.)	≤ 200 ppm	Ethanol (stab)	~0.2 %
Density at 20°C	1.32 ÷ 1.33	Acidity (hydrochloric acid)	≤ 5 ppm	Alcohol and ether miscibility.....	Complete		

Code	Size	Packaging	Notes
528377	2.5 l	Glass bottle	
337315	5 l	Metal tank	
528372	5 l	Plastic tank	
528379	10 l	Plastic tank	
528370	25 l	Metal drum	
528371	200 l	Metal drum	

Dichloromethane > RE - Pure - Stabilized with cyclohexane

RE

Description	Clear colourless liquid	Refractive index at 20°C.	1.4194 ÷ 1.4294	Water (K.F.)	≤ 500 ppm	Other impurities	≤ 0.5 %
Colour	≤ 10 APHA	Boiling point.....	39.0 ÷ 40.5 °C	Methyl alcohol.....	≤ 500 ppm	Cyclohexane	0.0165 ÷ 0.0660 % (v/v)
Assay (GLC)	≥ 99.5 %	Acidity	≤ 1 %	Ethyl alcohol	≤ 500 ppm		
Density at 20°C	1.320 ÷ 1.330	Residue on evaporation	≤ 5 ppm	Chloroform.....	≤ 1 %		

Code	Size	Packaging	Notes
508370	1 l	Glass bottle	
508374	5 l	Plastic tank	
508375	200 l	Metal drum	

**Dichloromethane acidified with 1% hydrochloric acid**

- Diclorometano acidificato con acido cloridrico 1% • Dichlorométhane acidifié avec 1% d'acide chlorhydrique
- Diclorometano acidificado con ácido clorhídrico 1% • Dichlormethan mit 1% Salzsäure angesäuert

Synonym:
Methylene chloride

CH₂Cl₂
Molecular Weight: 84,93
CAS: 75-09-2
EEC-N: 200-838-9

Classification transport
ONU: 1593
Transport Hazard class: 6.1
Packing group III



Warning
H315-H319-H351-H335-H336-H373
P271-P280-P304+P340-P305+P351+P338-
P308+P313-P403+P233

Dichloromethane acidified with 1% hydrochloric acid > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611055901	100 ml	Glass bottle	Ref Ph.Eur 1055901

**Dichloromethane-d2**

- Diclorometano-d2 • Dichlorométhane-d2 • Diclorometano-d2 • Dichlormethan-d2

Synonym:
Dideuteromethylenechloride

CD₂Cl₂
Molecular Weight: 86,95
CAS: 1665-00-5
EEC-N: 216-776-0

Classification transport
ONU: 1593
Transport Hazard class: 6.1
Packing group III



Warning
H315-H319-H351-H335-H336-H373
P271-P280-P304+P340-P305+P351+P338-
P308+P313-P403+P233

Dichloromethane-d2 > RS - For NMR - min 99.5%**RS**

Code	Size	Packaging	Notes
P5330	10 x 0.6 ml	Glass ampoule	
P5339	10 x 0.75 ml	Glass ampoule	
P5335	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**2,6-Dichlorophenolindophenol sodium salt**

- 2,6-Diclorofenolindofenolo sale sodico • 2,6-Dichlorophénolindophénol sel de sodium
- 2,6-Diclorofenol-indofenol sal sódica • 2,6-Dichlorphenolindophenol-Natriumsalz

Synonym:
2,6-Dichloro-N-(4-hydroxyphenyl)-1,4-benzoquinoneimine sodium salt

C₁₂H₇Cl₂NO₂.Na
Molecular Weight: 326,09
CAS: 620-45-1
EEC-N: 210-640-4

2,6-Dichlorophenolindophenol sodium salt > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description Dark green powder Identification Positive Colouring interferences..... Conform Loss on drying 120° C..... ≤12 %

Code	Size	Packaging	Notes
442508	5 g	Glass bottle	

For the determination of ascorbic acid**2,6-Dichloroquinone-4-chlorimide**

- 2,6-Dicloroquinone-4-clorimide • 2,6-Dichloroquinone-4-chloroimide • 2,6-Dicloroquinona-4-clorimida
- 2,6-Dichlorchinon-4-chlorimid

Synonym:
• *Gibb's reagent*
• *N-2,6-trichloro-p-benzoquinoneimide*

CIN:CCH:CCICOCCL:CH
Molecular Weight: 210,45
CAS: 101-38-2
EEC-N: 202-937-2

Classification transport
ONU: 3224
Transport Hazard class: 4.1
Packing group II



Warning
H242-H315-H319-H335
P210-P280-P304+P340-P305+P351+P338-
P403+P233-P410

2,6-Dichloroquinone-4-chlorimide > RPE - For analysis**RPE**

Description Yellow orange powder Identification Positive Melting point..... 65.0 ÷ 67.0 ° C Assay (argentimetric)..... ≥98 %

Code	Size	Packaging	Notes
442458	5 g	Glass bottle	

For spectrophotometric determination of vitamin B6

**Diethanolamine**

• Dietanolamina • Diéthanolamine • Dietanolamina • Diethanolamin

Synonym:

- 2,2'-Iminodiethanol
- Bis(2-hydroxyethyl)amine

(CH₂OHCH₂)₂NH
Molecular Weight: 105,14
CAS: 111-42-2
EEC-N: 203-868-0

**Danger**

H302-H315-H318-H373
P260-P305+P351+P338-P310a-P330-P362+P364-P332+P313

Diethanolamine > RPE - For analysis**RPE**

Description Clear colourless liquid Refract. index at 30° C ... 1.4723 ÷ 1.4783 Monoethanolamine ≤0.5 % Assay (alkalimetric) ≥99 %
Identification Positive Melting point 27.8 ÷ 28.3 ° C Residue on ignition ≤50 ppm Assay (GLC) ≥99 %
Density at 30° C 1.085 ÷ 1.091 Water (K.F.) ≤0.5 % Triethanolamine ≤0.5 %

Code	Size	Packaging	Notes
442554	100 g	Glass bottle	
442557	1 kg	Glass bottle	
442558	200 l	Metal drum	

Diethanolamine > ERBApharm - According to pharmacopoeia: USP-NF**ERBApharm**

Description Clear colourless liquid Refract. index at 30° C 1.473 ÷ 1.476 Triethanolamine ≤1.0 % Origin (BSE/TSE) Synthesis
Identification Positive Water (K.F.) ≤0,15 % Assay (alkalimetric) 98,5÷101,0 % Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
337801	215 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Diethylamine**

• Dietilamina • Diéthylamine • Dietilamina • Diethylamin

(C₂H₅)₂NH
Molecular Weight: 73,14
CAS: 109-89-7
EEC-N: 203-716-3

Classification transport

ONU: 1154
Transport Hazard class: 3
Packing group II

**Danger**

H225-H302-H311-H332-H314-H335
P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P361+P364-P403+P233

Diethylamine > RPE - For analysis**RPE**

Description Clear colourless liquid Density at 20° C 0.705 ÷ 0.708 Boiling point 55 ÷ 56 ° C Assay (GLC) ≥99 %
Identification Positive Refractive index at 20°C. 1.3840 ÷ 1.3900 Residue on evaporation ≤50 ppm

Code	Size	Packaging	Notes
442756	1 l	Glass bottle	

Diethylamine > RE - Pure**RE**

Description Clear colourless liquid Refractive index at 20°C. 1.3840 ÷ 1.3900 Boiling point 55 ÷ 56 ° C Density at 20°C 0.705 ÷ 0.708
Identification Positive Assay (GLC) ≥ 99 % Water (K.F.) ≤ 0.2 %

Code	Size	Packaging	Notes
337501	1 l	Glass bottle	

**Diethyl carbonate**

• Diethylcarbonato • Diéthylcarbonate • Diethylcarbonato • Diethylcarbonat

Synonym:
Carbonic acid diethyl ester $(C_2H_5)_2CO_3$
Molecular Weight: 118,13
CAS: 105-58-8
EEC-N: 203-311-1**Classification transport**
ONU: 2366
Transport Hazard class: 3
Packing group III**Warning**
H226
P210-P241-P280-P303+P361+P353-P403+P235-P501a**Diethyl carbonate > RPE - For analysis****RPE**Description Clear colourless liquid Refractive index at 20°C 1.3820 ÷ 1.3870 Residue on evaporation ≤20 ppm
Identification Positive Boiling point 125.3 ÷ 126.8 ° C Chloride ≤5 ppm
Density at 20° C 0.971 ÷ 0.979 Water (K.F.) ≤500 ppm Assay (GLC) 99 ÷ 100 %

Code	Size	Packaging	Notes
443056	1 l	Glass bottle	

**Diethylene glycol**

• Glicol dietilenico • Glicol diéthylénique • Glicol dietilénico • Diethylenglykol

Synonym:
• 2,2'-Oxydiethanol
• 2-Hydroxyethyl ether $(HOCH_2CH_2)_2O$
Molecular Weight: 106,12
CAS: 111-46-6
EEC-N: 203-872-2**Warning**
H302
P264-P270-P301+P312a-P330-P501a**Diethylene glycol > RPE - For analysis****RPE**Description Clear colourless liquid Density at 20° C 1.115 ÷ 1.119 Boiling point 240 ÷ 252 ° C Assay (GLC) ≥98 %
Identification Positive Refractive index at 20°C. 1.4450 ÷ 1.4500 Water (K.F.) ≤0.3 %

Code	Size	Packaging	Notes
443255	1 l	Glass bottle	
443253	2.5 l	Glass bottle	
443252	25 kg	Drum	

Hygroscopic product. Store well sealed in a dry place**Diethylene glycol > RE - Pure****RE**Description Clear colourless liquid Density at 20° C 1.112 ÷ 1.122 Boiling point 240 ÷ 252 ° C Water ≤0.3 %
Identification Positive Refractive index at 20°C. 1.4425 ÷ 1.4525 Assay (GLC) ≥99 %

Code	Size	Packaging	Notes
346301	1 l	Glass bottle	
346303	2.5 l	Glass bottle	
346304	30 kg	Metal drum	

Hygroscopic product. Store well sealed in a dry place**Diethylene glycol butyl ether ▶ 2-(2-Butoxyethoxy)ethanol****Diethylene glycol dimethyl ether**• Glicol dietilenico dimetilètere • Glicol diéthylénique diméthyléther • Glicol dietilénico dimetiléter
• DiethylenglycoldimethyletherSynonym:
• Diglyme
• 2-Methoxyethyl ester $(CH_3OCH_2CH_2)_2O$
Molecular Weight: 134,17
CAS: 111-96-6
EEC-N: 203-924-4**Classification transport**
ONU: 3271
Transport Hazard class: 3
Packing group III**Danger**
H226-H360FD-HEU019-HA26
P210-P241-P280-P303+P361+P353-P308+P313-P403+P235**Diethylene glycol dimethyl ether > RE - Pure****RE**

Refractive index at 20°C 1.406 - 1.41 Water content (K.F.) ≤ 500 mg/Kg Colour ≤ 10 Hazen Assay (GC) ≥ 99.8 %

Code	Size	Packaging	Notes
P0410228	5 l	Metal tank	
P0410248	25 l	Metal drum	

Diethylene oxide ► 1,4-Dioxane

**Diethylenetriaminepentacetic acid**

- Acido dietilentriaminopentacetico • Acide diéthylènetriaminepentacétique
- Acido dietilentriaminopentaacético • Diethylentriaminpentaessigsäure

Synonym:

- (Carboxymethylimino)bis(ethylenenitrilo) tetraacetic acid
- Pentetic acid

$C_{14}H_{23}N_3O_{10}$
Molecular Weight: 393,35
CAS: 67-43-6
EEC-N: 200-652-8

Classification transport

ONU: -

**Warning**

H319-H412

P264-P273-P280i-P305+P351+P338-P337+P313-P501a

Diethylenetriaminepentacetic acid > RPE - For analysis**RPE**

Description White crystalline powder Identification Positive Assay (acidimetric) ≥ 98.0 %

Code	Size	Packaging	Notes
405192	250 g	Glass bottle	

For the preparation of complexes: Na₂Fe(DPTA), Na₂[Cr(DPTA)] et H₂[Gd(DPTA)]**Diethyl ether**

- Dietiletere • Ether éthylique • Dietileter • Diethylether

Synonym:

Ethyl ether

$CH_3CH_2OCH_2CH_3$
Molecular Weight: 74,12
CAS: 60-29-7
EEC-N: 200-467-2

Classification transport

ONU: 1155

Transport Hazard class: 3

Packing group I

**Danger**

H224-H302-H336-HEU019-HEU066

P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Diethyl ether > RS - For HPLC - Isocratic grade - Not stabilized**RS**

Clear, colourless liq. appearance Conform Water content (K.F.) ≤ 100 mg/Kg UV transmittance at 220 nm ≥ 10 % UV transmittance at 300 nm ≥ 98 %
Identification Conform Free acid (as CH₃COOH) ≤ 30 mg/Kg UV transmittance at 230 nm ≥ 45 % Assay (GC) ≥ 99.7 %
Colour ≤ 10 Apha Peroxides (as H₂O₂) ≤ 60 mg/Kg UV transmittance at 250 nm ≥ 75 %
Refractive index at 20°C 1.35 - 1.354 Non volatile residue ≤ 5 mg/Kg UV transmittance at 280 nm ≥ 92 %

Code	Size	Packaging	Notes
412671	1 l	Glass bottle	
412672	2.5 l	Glass bottle	
412674	4 l	Glass bottle	

Diethyl ether > RS - PESTIPUR - For pesticide analysis - Not stabilized**RS**

Description Clear liquid Water ≤ 0.02 % Peroxides (H₂O₂) ≤ 60 ppm
Colour ≤ 10 hazen Acidity (acetic acid) ≤ 30 ppm GC-ECD (Lindano) ≤ 3 ng/l
Identification Positive Not volatile residue ≤ 5 ppm Assay (GLC) ≥ 99.7 %

Code	Size	Packaging	Notes
447651	1 l	Glass bottle	
447652	2.5 l	Glass bottle	

Diethyl ether > RS - SPECTROSOL - For optical spectroscopy - Not stabilized**RS**

Description Clear liquid Peroxides (as H₂O₂) ≤ 60 mg/Kg Alkalinity ≤ 0.0002 meq/g at 230 nm ≥ 45 %
Colour (APHA) ≤ 10 Boiling point 34.4 ÷ 34.9 ° C Peroxides (H₂O₂) ≤ 60 ppm at 250 nm ≥ 75 %
Identification Positive Water (K.F.) ≤ 100 ppm Assay (GLC) ≥ 99.7 % at 280 nm ≥ 92 %
Colour ≤ 10 Hazen Residue on evaporation ≤ 5 ppm U.V. Transmittance at 300 nm ≥ 98 %
Density at 20° C 0.712 ÷ 0.714 Acidity ≤ 0.0005 meq/g at 220 nm ≥ 10 %

Code	Size	Packaging	Notes
447593	1 l	Glass bottle	

Diethyl ether > RS - Anhydrous - For analysis - Stabilized with BHT

RS

Refractive index at 20°C..... 1.35 - 1.354	Assay (GC)..... ≥ 99.7 %	Ketone and Aldehyde..... ≤ 100 mg/kg	Matter darkened by H ₂ SO ₄ ≤ 10 Hazen
Water content (K.F.)..... ≤ 50 mg/Kg	Peroxides (as H ₂ O ₂)..... ≤ 1 mg/Kg	Methanol..... ≤ 200 mg/Kg	Non volatile residue (without stab.) ≤ 10 mg/Kg
Colour..... ≤ 10 Hazen	Free acid (as CH ₃ COOH)..... ≤ 30 mg/Kg	Stabilizer (ionol)..... 5 - 7 mg/Kg	

Code	Size	Packaging	Notes
P0441010	200 ml	Bottle with septum	
P04410T10	200 ml	Bottle with septum	On molecular sieves 4A, Water content < 20ppm
P0441008	1 l	Aluminium can	
P0441016	1 l	Glass bottle	
P04410T16	1 l	Glass bottle	On molecular sieves 4A, Water content < 20ppm
P0441021	2.5 l	Glass bottle	

Diethyl ether > RPE - For analysis - ACS - Not stabilized

RPE

Description..... Clear liquid	Residue on evaporation..... ≤10 ppm	Carbonyl Compounds (CO)..... ≤10 ppm
Colour (APHA)..... ≤10	Acidity..... ≤0.0002 meq/g	Peroxides (H ₂ O ₂)..... ≤1 ppm
Water (K.F.)..... ≤300 ppm	Ethyl alcohol..... Conform	Assay (GLC)..... ≥99.0 %

Code	Size	Packaging	Notes
447534	1 l	Glass bottle	
447539	5 l	Aluminium can	
447532	20 kg	Aluminium can	
447531	140 kg	Metal drum	

Diethyl ether > RPE - For analysis - Stabilized with BHT

RPE

Refractive index at 20°C..... 1.35 - 1.354	Assay (GC)..... ≥ 99.7 %	Ketone and Aldehyde..... ≤ 100 mg/kg	Matter darkened by H ₂ SO ₄ ≤ 10 Hazen
Water content (K.F.)..... ≤ 200 mg/Kg	Peroxides (as H ₂ O ₂)..... ≤ 1 mg/Kg	Methanol..... ≤ 200 mg/Kg	Non volatile residue (without stab.) ≤ 10 mg/Kg
Colour..... ≤ 10 Hazen	Free acid (as CH ₃ COOH)..... ≤ 30 mg/Kg	Stabilizer (ionol)..... 5 - 7 mg/Kg	

Code	Size	Packaging	Notes
P0440508	1 l	Aluminium bottle	

Diethyl ether > RPE - For analysis - ACS - Stabilized with BHT

RPE

Description..... Clear liquid	Residue on evaporation..... ≤10 ppm	Al..... ≤0.5 ppm	Ni..... ≤0.02 ppm
Colour (APHA)..... ≤10	Acetone..... ≤50 ppm	Ca..... ≤0.5 ppm	Pb..... ≤0.05 ppm
Identification (I.R.)..... Conform	Acidity (acetic acid)..... ≤5 ppm	Cd..... ≤0.05 ppm	Sn..... ≤0.1 ppm
Foreign odours..... Conform	Alcalinity (NH ₃)..... ≤1.4 ppm	Co..... ≤0.02 ppm	Zn..... ≤0.1 ppm
Ready carbonizable substances..... Conform	Ethyl alcohol..... ≤100 ppm	Cr..... ≤0.02 ppm	Assay (GLC)..... ≥99.8 %
Density at 20° C..... 0.714 ÷ 0.716	Methyl alcohol..... ≤200 ppm	Cu..... ≤0.02 ppm	Stabilized with about 6 ppm BHT
Refractive index at 20°C..... 1.35 - 1.354	Carbonyl Compounds (CO)..... ≤10 ppm	Fe..... ≤0.1 ppm	
Boiling point..... 34.0 ÷ 35.0 ° C	Heavy metals (Pb)..... ≤1 ppm	Mg..... ≤0.1 ppm	
Water (K.F.)..... ≤200 ppm	Peroxides (H ₂ O ₂)..... ≤1 ppm	Mn..... ≤0.02 ppm	

Code	Size	Packaging	Notes
447521	1 l	Glass bottle	
447523	2.5 l	Glass bottle	
447522	5 l	Aluminium can	
447525	20 kg	Aluminium can	

Diethyl ether > ERBApharm - According to pharmacopoeia: BP-Ph.Eur. - Stabilized with BHT

ERBApharm

Description..... Clear colourless liquid	Foreign odours..... Conform Ph.Eur.	Water (K.F.)..... ≤0.2 %	Residual solvents (Current ICH)..... Conform
Identification..... Positive	Peroxide..... Conform Ph.Eur.	Non volat.substances..... ≤20 ppm p/v	
Acidity..... Conform Ph.Eur.	Density at 20° C..... 0.714 ÷ 0.716	Assay (CPG)..... ≥ 99.5 %	
Aldehydes..... Conform Ph.Eur.	Boiling point..... 34.0 ÷ 35.0 ° C	Origin (BSE/TSE)..... Synthesis	

Code	Size	Packaging	Notes
340751	1 l	Glass bottle	
340731	40 x 100 g	Glass bottle	
340752	20 kg	Aluminium can	
340759	140 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Diethyl ether > RE - Pure - Stabilized with BHT**RE**

Description	Clear colourless liquid	Density at 20° C	0.710 ÷ 0.716	Residue on evaporation	≤20 ppm	Assay (GLC)	≥99.5 %
Density at 20°C	0.710 ÷ 0.716	Boiling point.....	34.1 ÷ 35.1 ° C	Acidity (acetic acid).....	≤20 ppm	Stabilized with BHT.....	5 ÷ 7 ppm
Identification	Positive	Water (K.F)	≤300 ppm	Peroxyde (H2O2)	≤ 1 ppm		

Code	Size	Packaging	Notes
528275	5 l	Aluminium can	
340762	20 kg	Aluminium can	
528276	25 l	Metal drum	
340765	140 kg	Metal drum	

**n,n-Diethyl-p-phenylenediamine sulfate**

- n,n-Dietil-p-fenilendiammina solfato • n,n-Diéthyl-p-phénylènediamine sulfate
- n,n-Dietil-p-fenilendiamonio solfato • n,n-Diethyl-p-phenylenediamin-sulfat

Synonym:

4-Amino-N,N-diethylaniline sulfate salt

$\text{NH}_2\text{C}_6\text{H}_4\text{N}(\text{C}_2\text{H}_5)_2\cdot\text{H}_2\text{SO}_4$
 Molecular Weight: 262,33
 CAS: 6283-63-2
 EEC-N: 228-500-6

Classification transport

ONU: 2811
 Transport Hazard class: 6.1
 Packing group III

**Danger**

H301
 P264-P270-P301+P310a-P330-P405-P501a

n,n-Diethyl-p-phenylenediamine sulfate > RPE - For analysis**RPE**

Description	White to beige crystalline powder	Identification	Positive	Melting point.....	184 - 187 °C	Assay (oxidimetric)	≥98.5 %
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Code	Size	Packaging	Notes
443341	100 g	Plastic bottle	

n,n-Diethyl-p-phenylenediamine sulfate > RE - Pure**RE**

Description	White to beige crystalline powder	Identification	Positive	Assay (oxidimetric)	≥98 %
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Code	Size	Packaging	Notes
338124	100 g	Plastic bottle	
338121	1 kg	Plastic bottle	

**Diethyl phthalate**

- Dietilftalato • Diéthyle phtalate • Dietil ftalato • Diethylphthalat

$\text{C}_8\text{H}_4(\text{COOC}_2\text{H}_5)_2$
 Molecular Weight: 222,24
 CAS: 84-66-2
 EEC-N: 201-550-6

Diethyl phthalate > RPE - For analysis**RPE**

Description	Clear colourless liquid	Density at 20° C	1.118 ÷ 1.121	Water (K.F)	≤0.1 %	Heavy metals (Pb).....	≤5 ppm
Identification	Positive	Refractive index at 20° C.....	1.500 ÷ 1.505	Residue on ignition.....	≤100 ppm	Assay (GLC)	≥99 %

Code	Size	Packaging	Notes
443404	1 l	Glass bottle	

Diethyl phthalate > ERBapharm - According to pharmacopoeia: BP-NF-Ph.Eur.-JPE**ERBapharm**

Description	Clear colourless, very slightly yellow liq.	Acidity (ml NaOH 0.1M)	≤ 0.1 ml	Density at 20°C	1.118 - 1.122 NF	Origin (BSE/TSE).....	Synthesis
Identification (IR).....	Positive	Acid value.....	≤ 0.1 mg KOH/g	Water (K.F)	≤ 0.2 %	Heavy metals (Pb).....	≤ 20 ppm
Refractive index at 20°C.....	1.500 ÷ 1.504	Related substances(GLC) ...	Conform Ph.Eur.	Sulphated ash.....	≤0.02 %	As	≤ 2 ppm
Appearance	Conform Ph.Eur.	Density (d20/20)	1.118 - 1.121 Ph.Eur.	Assay (saponification)99.0 - 101.0 % (m/m)		Residual solvents (Current ICH).....	Conform

Code	Size	Packaging	Notes
338112	1 l	Glass bottle	
338115	2.5 l	Glass bottle	
338113	30 kg	Metal drum	
338114	200 l	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Differentiator for kit Gram-Hucker**

- Differenziatore per kit Gram-Hucker • Différenciateur pour kit de Gram-Hucker • Diferenciador para kit Gram-Hucker
- Unterscheidungsmerkmal für Gram-Hucker Kit

Classification transport
ONU: 1987
Transport Hazard class: LQ



Danger
H225-H319-H371
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Differentiator for kit Gram-Hucker > RS - For bacteriology**RS**

Description Liquido incolore Identification Positive

Code	Size	Packaging	Notes
444131	250 ml	Glass bottle	In Vitro Diagnostic Medical Device

**Digitonin**

- Digitonina • Digitonine • Digitonina • Digitonin

Synonym:
Digitin

$C_{56}H_{92}O_{29}$
Molecular Weight: 1229,34
CAS: 11024-24-1
EEC-N: 234-255-6

Classification transport
ONU: 1544
Transport Hazard class: 6.1
Packing group I



Danger
H301-H373
P260-P264-P301+P310a-P330-P314-P501a

Digitonin > RPE - For analysis**RPE**

Description White crystalline powder Water (K.F.) ≤ 6 % Potere rotat. spec. (C=10; CH₃COOH 75%) -47 ÷ -49 °
Identification Positive Residue on calcination ≤ 0.3 % (s.s.)

Code	Size	Packaging	Notes
444207	1 g	Glass bottle	

Diglyme ► Diethylene glycol dimethyl ether**1,4-Dihydroxybenzene ► Hydroquinone****Diisopropylamine**

- Diisopropilammina • Diisopropylamine • Diisopropilamina • Diisopropylamin

Synonym:
DIPA

$[(CH_3)_2CH]_2NH$
Molecular Weight: 101,19
CAS: 108-18-9
EEC-N: 203-558-5

Classification transport
ONU: 1158
Transport Hazard class: 3
Packing group II



Danger
H225-H302-H331-H314-H335
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Diisopropylamine > RPE - For analysis**RPE**

Description Clear liquid Colour ≤ 10 APHA Water ≤ 0.2 %
Identification Positive Refractive index at 20°C 1.3910 ÷ 1.3930 Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
445981	250 ml	Glass bottle	

**Diisopropylether**

• Diisopropiletere • Ether isopropylque • Eter di-isopropilico • Di-isopropylether

Synonym:
Isopropyl ether[(CH₃)₂CH]₂O
Molecular Weight: 102,18
CAS: 108-20-3
EEC-N: 203-560-6**Classification transport**
ONU: 1159
Transport Hazard class: 3
Packing group II**Danger**
H225-H336-HEU019-HEU066
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233**Diisopropylether > RS - Anhydrous - For analysis****RS**

Appearance Clear colourless liquid	Water content (K.F.) ≤ 50 mg/Kg	Peroxides (as H ₂ O ₂) ≤ 10 mg/Kg	Free acid (as CH ₃ COOH) ≤ 10 mg/Kg
Refractive index at 20°C 1.366 - 1.370	Colour ≤ 10 Hazen	Assay (GC) ≥ 99.0 %	Non volatile residue (without stab.) ≤ 10 mg/Kg
Identification (IR) Conform	Density d _{20/4} 0.722 - 0.726	Stabilizer (ionol) 2 - 15 mg/Kg	

Code	Size	Packaging	Notes
P0431016	1 l	Glass bottle	

Diisopropylether > RPE - For analysis**RPE**

Description Clear colourless liquid	Chloroform miscibility Complete	Boiling point 66.5 ÷ 69.5 ° C	Assay (GLC) ≥ 98.5 %
Identification (I.R.) Conform	Diethyl ether miscib. Complete	Water (K.F.) ≤ 0.1 %	
Alcohol miscibility Complete	Density at 20° C 0.719 ÷ 0.729	Peroxides (H ₂ O ₂) ≤ 5 ppm	

Code	Size	Packaging	Notes
447932	1 l	Glass bottle	
447931	2.5 l	Glass bottle	
447933	5 l	Plastic tank	
447935	21 kg	Aluminium can	

Stabilized with ~10 ppm of BHT**Diisopropylether > RE - Pure****RE**

Appearance Clear colourless liquid	Colour ≤ 10 Hazen	Assay (GC) ≥ 99.0 %	Non volatile residue (without stab.) ≤ 10 mg/Kg
Identification (IR) Conform	Density d _{20/4} 0.722 - 0.726	Stabilizer (ionol) 2 - 15 mg/Kg	
Water content (K.F.) ≤ 1000 mg/Kg	Peroxides (as H ₂ O ₂) ≤ 50 mg/Kg	Free acid (as CH ₃ COOH) ≤ 10 mg/Kg	

Code	Size	Packaging	Notes
P0430228	5 l	Plastic tank	
P0430240	10 l	Metal tank	
P0430248	25 l	Metal drum	
P0430268	200 l	Metal drum	

**N,N-Diisopropylethylamine**

• N,N-Diisopropiletilamina • N,N-Diisopropyléthylamine • N,N-Diisopropiletilamina • N,N-Diisopropylethylamin

Synonym:
• DIPEA
• EthyldiisopropylamineC₈H₁₉N
Molecular Weight: 129,25
CAS: 7087-68-5
EEC-N: 230-392-0**Classification transport**
ONU: 3384
Transport Hazard class: 6.1
Packing group I**Danger**
H225-H302-H331-H318-H335-H412
P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P330-P403+P233**N,N-Diisopropylethylamine > RE - Pure****RE**

Appearance Clear, colourless to yellowish liquid	Refractive index at 20°C 1.411 - 1.415	Assay (GC) ≥ 98 %
Identification Conform	Water content (K.F.) ≤ 3000 mg/Kg	

Code	Size	Packaging	Notes
P0400272	200 ml	Bottle with septum	
P0400252	30 l	Plastic tank	

**Dimedone**

• Dimedone • Dimédon • Dimedona • Dimedon

Synonym:
Methone

$(\text{CH}_3)_2\text{CCH}_2\text{COCH}_2\text{COCH}_2$
 Molecular Weight: 140,18
 CAS: 126-81-8
 EEC-N: 204-804-4

Dimedone > RPE - For analysis**RPE**

Description White crystalline powder Identification Positive Melting point 146 ÷ 150 ° C Assay (GLC) ≥ 98.5 %

Code	Size	Packaging	Notes
444252	25 g	Glass bottle	

For the determination of aldehydes**1,2-Dimethoxyethane**

• 1,2-Dimetossietano • 1,2-Diméthoxyéthane • 1,2-Dimetoxietano • 1,2-Dimethoxyethan

Synonym:

• Dimethylglycol
• Dimethyl ether ethylene glycol

$\text{C}_4\text{H}_{10}\text{O}_2$
 Molecular Weight: 90,12
 CAS: 110-71-4
 EEC-N: 203-794-9

Classification transport

ONU: 2252
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H332-H360FD-HEU019-HA26
 P210-P241-P261-P280-P303+P361+P353-
 P304+P340

1,2-Dimethoxyethane > RS - Anhydrous - For analysis**RS**

Refractive index at 20°C 1.377 - 1.381 Water content (K.F.) ≤ 200 mg/Kg Colour ≤ 10 Hazen Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P0301010	200 ml	Bottle with septum	
P03010T16	1 l	Glass bottle	On molecular sieves 3A

1,2-Dimethoxyethane > RE - Pure**RE**

Refractive index at 20°C 1.377 - 1.381 Non volatile residue ≤ 50 mg/Kg Assay (GC) ≥ 99.5 %
 Water content (K.F.) ≤ 500 mg/Kg Colour ≤ 10 Hazen Free acid (as CH3COOH) ≤ 150 mg/Kg

Code	Size	Packaging	Notes
P0300221	2.5 l	Glass bottle	
P0300268	200 l	Metal drum	

**N,N-Dimethylacetamide**

• N,N-Dimetilacetamide • N,N-Diméthylacétamide • N,N-Dimetilacetamida • N,N-Diethylacetamid

$\text{CH}_3\text{CON}(\text{CH}_3)_2$
 Molecular Weight: 87,12
 CAS: 127-19-5
 EEC-N: 204-826-4

**Danger**

H312-H332-H360D-HA26
 P261-P271-P280-P304+P340-P308+P313-
 P362+P364

N,N-Dimethylacetamide > RS - For Headspace chromatography**RS**

Description Clear colourless liquid Acidity (acetic acid) ≤ 50 ppm At 300 nm ≥ 85 % Residual solvent of class 2(acc. to ICH) ≤ 10 µg/g
 Identification Positive Assay (GLC) ≥ 99.95 % at 350 nm ≥ 98 % Residual solvent of class 3(acc. to ICH) ≤ 50 µg/g
 Density at 20° C 0.940 ÷ 0.946 UV cut off ≤ 268 nm at 400 nm ≥ 99 % GC/HS
 Refractive index at 20°C 1.4363 ÷ 1.4403 U.V. Transmittance
 Boiling point 164.0 ÷ 166.0 ° C at 268 nm ≥ 10 % Residual solvent of class 1(acc. to ICH) . ≤ 1 µg/g
 Water (K.F.) ≤ 0.03 % at 275 nm ≥ 55 %

Code	Size	Packaging	Notes
444311	1 l	Glass bottle	

N,N-Dimethylacetamide > RPE - For analysis

RPE

Description	Clear colourless liquid	Boiling point.....	164.0 ÷ 166.0 °C	Chloride.....	≤10 ppm	Assay (GLC)	≥99.8 %
Identification	Positive	Water (K.F.)	≤0.05 %	Heavy metals (Pb).....	≤5 ppm		
Density at 20° C	0.940 ÷ 0.946	Residue on evaporation	≤50 ppm	Sulphate.....	≤10 ppm		
Refractive index at 20°C.1.4343 ÷ 1.4403		Acidity (acetic acid).....	≤150 ppm	Fe	≤5 ppm		

Code	Size	Packaging	Notes
444307	1 l	Glass bottle	
444308	25 kg	Combined drum	
444309	190 kg	Combined drum	



p-Dimethylaminobenzaldehyde

- p-Dimetilaminobenzaldeide • p-Diméthylaminobenzaldéhyde • p-Dimetilaminobenzaldehydo
- p-Dimethylaminobenzaldehyd

Synonym:
Ehrlich's reagent

(CH₃)₂NC₆H₄CHO
Molecular Weight: 149,19
CAS: 100-10-7
EEC-N: 202-819-0



Warning

H319-H317-H412
P261-P264-P280a-P305+P351+P338-P333+P313-
P337+P313

p-Dimethylaminobenzaldehyde > RPE - For analysis

RPE

Description	Yellow or beige crystalline powder, chunk or flakes	Identification	Positive	Free acidity	≤ 1 %
		Melting point.....	74 ± 2 ° C	Assay (non-aqueous medium)	≥ 97.5 %

Code	Size	Packaging	Notes
444604	100 g	Plastic bottle	
444603	250 g	Plastic bottle	



p-Dimethylaminobenzylidenerhodanine

- p-Dimetilaminobenzalrodanina • p-Diméthylaminobenzalrhodanine • p-Dimetilaminobenzilidenrodanina • p-Diméthylaminobenzalrhodanine

(CH₃)₂NC₆H₄CH:CSC:SNHCO
Molecular Weight: 264,37
CAS: 536-17-4
EEC-N: 208-625-2



Warning

H302
P264-P270-P301+P312a-P330-P501a

p-Dimethylaminobenzylidenerhodanine > RPE - For analysis

RPE

Description	Red powder	Assay (HClO ₄)	≥ 98.5 %	solution
Identification	Positive	Solubility (0,03% in acetone).....	Clear orange	

Code	Size	Packaging	Notes
444678	5 g	Glass bottle	

Acid-base indicator (pH 2,9÷4,0)



N,N-Dimethylformamide

- N,N-Dimetilformamide • N,N-Diméthylformamide • N,N-Dimetil formamida • N,N-Dimethylformamid

Synonym:
DMF

(CH₃)₂NOCH
Molecular Weight: 73,09
CAS: 68-12-2
EEC-N: 200-679-5

Classification transport

ONU: 2265
Transport Hazard class: 3
Packing group III



Danger

H226-H312-H332-H319-H360D-HA26
P210-P241-P280-P303+P361+P353-P304+P340-
P305+P351+P338

N,N-Dimethylformamide > RS - For HPLC - Isocratic Grade

RS

Appearance	Clear colourless liquid	Non volatile residue.....	≤ 0.0005 % m/m	UV transmittance at 270 nm	≥ 30 %	UV transmittance at 320 nm	≥ 97 %
Colour	≤ 10 Apha	Assay (GC) (on anhydrous)	≥ 99.9 %	UV transmittance at 275 nm	≥ 60 %		
Water content (K.F.)	≤ 0.03 % m/m	Free acid (as CH ₃ COOH).....	≤ 0.003 % m/m	UV transmittance at 300 nm	≥ 90 %		

Code	Size	Packaging	Notes
444981	1 l	Glass bottle	
444982	2.5 l	Glass bottle	

N,N-Dimethylformamide > RS - For Headspace chromatography

RS

Description	Clear liquid	Water (K.F.)	≤200 ppm	At 275 nm	≥ 55 %	µg/g
Colour (APHA)	≤10	Residue on evaporation	≤10 ppm	at 300 nm	≥ 85 %	Residual solvent of class 1(acc. to ICH) . ≤ 1
Identification	Positive	Assay (GLC)	≥99.99 %	at 320 nm	≥ 95 %	µg/g
Density at 20° C	0.945 ÷ 0.955	UV cut off.....	≤ 269 nm	Residual solvent of class 2(acc. to ICH)≤ 10		
Refractive index at 20°C.....	1.428 - 1.432	U.V. Transmittance		at 270 nm	≥ 20 %	Residual solvent of class 3(acc. to ICH)≤ 50
Boiling point.....	152.0 ÷ 154.0 ° C					

Code	Size	Packaging	Notes
444991	1 l	Glass bottle	

N,N-Dimethylformamide > RS - ATRASOL - For traces analysis

RS

Appearance	Clear liquid	Colour	≤ 10 Hazen	Free acid (as HCOOH)	≤ 20 mg/Kg	Retention time range before DMF
Refractive index at 20°C.....	1.428 - 1.432	Water content (K.F.)	≤ 200 mg/Kg	Free alkali as HN(CH ₃) ₂	≤ 10 mg/Kg	
Density d20/4	0.945 - 0.955	Non volatile residue.....	≤ 10 mg/Kg	GC-FID.Individual. peak (hexane).....	≤ 3 mg/l	

Code	Size	Packaging	Notes
P0343216	1 l	Glass bottle	
P0343221	2.5 l	Glass bottle	

N,N-Dimethylformamide > RS - PESTIPUR - For pesticide analysis

RS

Refractive index at 20°C.....	1.428 - 1.432	Colour	≤ 10 Hazen	Non volatile residue	≤ 10 mg/Kg	Retention time trichlorobenzene to mirex
Water content (K.F.)	≤ 500 mg/Kg	Assay (GC)	≥ 99.8 %	GC-ECD.Individual peak (Lindane) ..	≤ 3 ng/l	

Code	Size	Packaging	Notes
444941	1 l	Glass bottle	
444942	2.5 l	Glass bottle	

For chlorinated compounds analysis**N,N-Dimethylformamide > RS - SPECTROSOL - For optical spectroscopy**

RS

Description	Clear liquid	Boiling point.....	152.0 ÷ 154.0 ° C	Assay (GLC)	≥99.9 %	at 320 nm	≥96 %
Colour (APHA)	≤10	Water (K.F.)	≤400 ppm	U.V. Transmittance		at 330 nm	≥98 %
Identification	Positive	Residue on evaporation	≤10 ppm	at 270 nm	≥28 %		
Density at 20° C	0.945 ÷ 0.955	Acidity or alkalinity.....	≤0.001 meq/g	at 280 nm	≥72 %		
Refract. index at 25° C... 1.4224 ÷ 1.4314		Methyl alcohol.....	≤100 ppm	at 300 nm	≥90 %		

Code	Size	Packaging	Notes
444957	1 l	Glass bottle	
444956	2.5 l	Glass bottle	

N,N-Dimethylformamide > RS - Anhydrous - For analysis

RS

Appearance	Clear liquid	Colour	≤ 10 Hazen	Non volatile residue	≤ 20 mg/Kg	Assay (GC)	≥ 99.9 %
Identification (IR).....	Conform	Water content (K.F.)	≤ 50 mg/Kg	Free acid (as HCOOH).....	≤ 20 mg/Kg	Methanol	≤ 100 mg/Kg
Refractive index at 20°C.....	1.428 - 1.432	Density d20/4	0.945 - 0.955	Free alkali as HN(CH ₃) ₂	≤ 10 mg/Kg	Iron (Fe)	≤ 5 mg/Kg

Code	Size	Packaging	Notes
P0341010	200 ml	Bottle with septum	
P03410T10	200 ml	Bottle with septum	On molecular sieves 4A
P0341016	1 l	Glass bottle	
P03410T16	1 l	Glass bottle	On molecular sieves 4A
P0341021	2.5 l	Glass bottle	

N,N-Dimethylformamide > RS - For peptide synthesis

RS

Appearance	Clear colourless liquid	Bromophenol blue test.....	Conform	Non volatile residue	≤ 15 mg/Kg	Iron (Fe)	≤ 0.05 mg/Kg
Colour	≤ 10 Hazen	Amines content	≤ 5 mg/Kg	Copper (Cu)	≤ 0.05 mg/kg	Nickel (Ni)	≤ 0.05 mg/kg
Refractive index at 20°C.....	1.428 - 1.432	Assay (GC)	≥ 99.9 %	Cadmium (Cd)	≤ 0.05 mg/Kg	Lead (Pb)	≤ 0.1 mg/Kg
Water content (K.F.)	≤ 300 mg/Kg	Methanol	≤ 100 mg/Kg	Chromium (Cr)	≤ 0.05 mg/Kg		

Code	Size	Packaging	Notes
P0343516	1 l	Glass bottle	
P0343521	2.5 l	Glass bottle	
P0343522	5 l	Plastic tank	
P0343541	10 l	Plastic tank	
P0343549	25 l	Plastic drum	
P0343550	25 l	Polythene-metal drum	
P0343567	200 l	Plastic drum	

N,N-Dimethylformamide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear liquid	Refract. index at 25° C ...	1.4224 ÷ 1.4314	Chloride.....	≤10 ppm	Fe	≤0.05 ppm
Colour (APHA)	≤15	Boiling point.....	152.0 ÷ 154.0 ° C	Heavy metals (Pb).....	≤1 ppm	Ni	≤0.02 ppm
Identification (I.R.).....	Conform	Water (K.F.)	≤0.03 %	Sulphate	≤10 ppm	Pb	≤0.1 ppm
Water miscibility	Conform	Residue on evaporation	≤20 ppm	Cd	≤0.05 ppm	Assay (GLC)	≥99.9 %
Chloroform miscibility	Complete	Acidity (formic acid).....	≤20 ppm	Cr	≤0.02 ppm	Methyl alcohol.....	≤ 100 ppm
Density at 20° C	0.949 ÷ 0.952	Alcalinity (NH3).....	≤20 ppm	Cu	≤0.02 ppm		

Code	Size	Packaging	Notes
444926	1 l	Glass bottle	
444923	2.5 l	Glass bottle	
444928	20 kg	Drum	
444925	190 kg	Metal drum	

N,N-Dimethylformamide > RE - Pure

RE

Description	Clear colourless liquid	Density at 20°C	0.945 ÷ 0.950	Residue on evaporation	≤ 50 ppm	Free acid (as HCOOH).....	≤ 0.0020 %
Identification	Positive	Refractive index at 20°C:	1.4229 ÷ 1.4329	Water (K.F.)	≤ 0.03 %	Free alkali as HN(CH3)2.....	≤ 0.0010 %
Colour	≤ 10 APHA	Boiling point.....	152.0 ÷ 154.0 °C	Methyl alcohol.....	≤ 100 ppm	Assay (GLC)	≥ 99.9 %

Code	Size	Packaging	Notes
508801	1 l	Glass bottle	
508804	1 l	Plastic bottle	
508802	2.5 l	Glass bottle	
528221	5 l	Plastic tank	
528220	25 l	Metal drum	
508803	200 l	Metal drum	



N,N-Dimethylformamide-d7

- N,N-Dimethylformamide-d7 • N,N-Diméthylformamide-d7 • N,N-Dimethylformamida-d7
- N,N-Dimethylformamid-d7

Synonym:

- DMF-d7
- Heptadeutero-N,N-dimethylformamide

(CD)₂NOCD
 Molecular Weight: 80,14
 CAS: 4472-41-7
 EEC-N: 224-745-8

Classification transport

ONU: 2265
 Transport Hazard class: 3
 Packing group III



Danger

H226-H312-H332-H319-H360D-HA26
 P210-P241-P280-P303+P361+P353-P304+P340-P305+P351+P338

N,N-Dimethylformamide-d7 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5189A	2 x 0.75 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

**N,N-Dimethylformamide dimethylacetal**

- N,N-Dimethylformamide dimethylacetal
- N,N-Diméthylformamide diméthylacétal
- N,N-Dimethylformamida dimetilacetal
- N,N-Dimethylformamiddimethylacetal

Synonym:

1,1-Dimethoxy-N,N-dimethylmethanamine



Molecular Weight: 119,16

CAS: 4637-24-5

EEC-N: 225-063-3

Classification transport

ONU: 1993

Transport Hazard class: 3

Packing group II

**Danger**

H225-H332-H315-H319

P210-P241-P280-P303+P361+P353-P304+P340-P305+P351+P338

N,N-Dimethylformamide dimethylacetal > RPE - For analysis**RPE**

Description Clear colourless liquid Density at 20° C 0.890 - 0.910 Assay (GC) ≥ 97 %
 Identification Positive Boiling point 102 - 104 ° C

Code	Size	Packaging	Notes
444901	10 ml	Glass bottle	

For derivatization

Dimethylglycol ▶ 1,2-Dimethoxyethane

Dimethylglyoxime disodium salt octahydrate ▶ Diacetyldioxime sodium salt

3,7-Dimethyl-2,6-octadienal ▶ Citral

**N,N'-Dimethylpropylene uree**

- N,N'-Dimethylpropylene urea
- N,N'-Diméthylpropylène urée
- N,N'-Dimetilpropileno urea
- N,N'-Dimethylpropylenharnstoff

Synonym:

DMPU



Molecular Weight: 128,17

CAS: 7226-23-5

EEC-N: 230-625-6

**Danger**

H302-H318-H361f

P264-P280-P301+P312a-P305+P351+P338-P310a-P308+P313

N,N'-Dimethylpropylene uree > RE - Pure**RE**

Clear, colourless to light yellow liq. . Conform Refractive index at 20°C.. 1.4883 - 1.4913 Water content (K.F.) ≤ 1000 mg/Kg Assay (GC) ≥ 99.0 %

Code	Size	Packaging	Notes
P8020218	500 ml	Glass bottle	
P8020216	1 l	Glass bottle	
P8020229	5 l	Plastic tank	
P8020248	25 l	Metal drum	
P8020268	200 l	Metal drum	

**Dimethylsulphoxide**

- Dimetilsolfossido
- Diméthylsulfoxyde
- Dimetilsulfóxido
- Dimethylsulfoxyd

Synonym:

- Methyl sulfoxide
- DMSO



Molecular Weight: 78,13

CAS: 67-68-5

EEC-N: 200-664-3

Dimethylsulphoxide > RS - For HPLC - Isocratic Grade**RS**

Appearance Clear colourless liquid Assay (GC) (on anhydrous) ≥ 99.95 % UV transmittance at 290 nm ≥ 70 % 98 %
 Colour ≤ 10 Apha Free acid ≤ 0.0005 meq/g UV transmittance at 310 nm ≥ 90 %
 Water content (K.F.) ≤ 0.04 % m/m UV transmittance at 263 nm ≥ 10 % UV transmittance at 330 nm ≥ 95 %
 Non volatile residue ≤ 0.0005 % m/m UV transmittance at 270 nm ≥ 40 % UV transmittance from 350 nm to 400 nm ≥

Code	Size	Packaging	Notes
445141	1 l	Glass bottle	
445142	2.5 l	Glass bottle	

Dimethylsulphoxide > RS - For Headspace chromatography

RS

Description	Clear liquid	Assay (GLC)	≥ 99.99 %	at 350 nm	≥ 95 %	µg/g
Identification	Positive	UV cut off.....	≤ 265 nm	at 400 nm	≥ 98 %	Residual solvent of class 3(acc. to ICH) ≤ 50 µg/g
Density at 20° C	1.100 - 1.104	U.V. Transmittance		GC/HS		µg/g
Water (K.F.)	≤ 200 ppm	at 268 nm	≥ 30 %	Residual solvent of class 1(acc. to ICH) .	≤ 1	
Refractive index at 20°C.....	1.477 - 1.480	at 275 nm	≥ 60 %	µg/g		
Residue on evaporation	≤ 2 ppm	At 300 nm	≥ 85 %	Residual solvent of class 2(acc. to ICH) ≤ 10		

Code	Size	Packaging	Notes
445121	1 l	Glass bottle	

Dimethylsulphoxide > RS - ATRASOL - For traces analysis

RS

Appearance	Clear colourless liquid	Water content (K.F.)	≤ 200 mg/Kg	Non volatile residue	≤ 2 mg/Kg
Refractive index at 20°C.....	1.477 - 1.481	Colour	≤ 10 Hazen	GC-FID. Individ. peak (hexane).....	≤ 3 mg/l
Density d20/4	1.096 - 1.106	Assay (GC)	≥ 99.98 %	Retention time range before DMSO	

Code	Size	Packaging	Notes
P0353216	1 l	Glass bottle	
P0353221	2.5 l	Glass bottle	

Dimethylsulphoxide > RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

RS

Description	Clear colourless liquid	Residue on evaporation	≤ 10 ppm	at 365 nm	≤ 2 ppb	U.V. Transmittance
Identification	Positive	Acidity	≤ 0.0005 meq/g	Dimethylsulphone.....	≤ 0.1 %	at 265 nm
Density at 20° C	1.100 ÷ 1.104	Alcalinity	≤ 0.0002 meq/g	UV Absorbance at 262 nm	≤ 1.00 AU	at 275 nm
Refractive index at 20°C.....	1.478 ÷ 1.479	Assay (GLC)	≥ 99.8 %	UV Absorbance at 270 nm	≤ 0.46 AU	at 290 nm
Melting point.....	≥ 18.3 °C	Fluorescence		UV Absorbance at 290 nm	≤ 0.16 AU	at 315 nm
Water (K.F.)	≤ 500 ppm	at 254 nm	≤ 2 ppb	UV Absorbance from 340 nm	≤ 0.01 AU	at 340 nm

Code	Size	Packaging	Notes
445112	1 l	Glass bottle	
445111	2.5 l	Glass bottle	

Dimethylsulphoxide > RS - Anhydrous - For analysis

RS

Appearance	Clear liquid	Colour	≤ 10 Hazen	Density d20/4	1.096 - 1.106	Assay (GC)	≥ 99.8 %
Identification	Conform	Refractive index at 20°C.....	1.477 - 1.481	Water content (K.F.)	≤ 50 mg/Kg	Dimethylsulphone.....	≤ 0.1 %

Code	Size	Packaging	Notes
508111	2.5 l	Glass bottle	

Dimethylsulphoxide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear colourless liquid	Refractive index at 20°C.....	1.4765 ÷ 1.4825	Residue on evaporation	≤ 50 ppm	Sulphate	≤ 50 ppm
Identification	Positive	Boiling point.....	188.5 ÷ 189.5 °C	Acidity	≤ 0.001 meq/g	Assay (GLC)	≥ 99.9 %
Ready carbonizable substances.....	Conform	Melting point.....	18.3 ÷ 18.7 °C	Chloride.....	≤ 5 ppm		
Density at 20° C	1.096 ÷ 1.106	Water (K.F.)	≤ 0.05 %	Heavy metals (Pb).....	≤ 20 ppm		

Code	Size	Packaging	Notes
445103	1 l	Glass bottle	
445106	2.5 l	Glass bottle	
445107	15 kg	Plastic tank	
445101	25 kg	Plastic tank	

Dimethylsulphoxide > ERBApharm - According to pharmacopoeia: Ph.Eur.

ERBApharm

Appearance ..	Colourless liquid or colourless crystals	Refractive index at 20°C.....	1.478 - 1.480	Free acid (ml NaOH 0.01N)	≤ 5.0 ml	UV Absorbance at 275 nm	≤ 0.3 AU
Water solubility.....	Miscible	Identification C (IR)	Conform	Solidification point.....	≥ 18.3 °C	UV Absorbance at 285 nm	≤ 0.2 AU
Ethanol solubility	Miscible	Water content (K.F.)	≤ 0.2 % m/m	Assay (GC)	≥ 99.9 %	UV Absorbance at 295 nm	≤ 0.2 AU
		Density d20/20	1.100 - 1.104	Related substances (GC)	Conform	UV spectrum 270 - 350 nm	Smooth

Code	Size	Packaging	Notes
P0355016	1 l	Glass bottle	
P0355041	10 l	Plastic tank	
P0355049	25 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Dimethylsulphoxide > RE - Pure**RE**

Description	Clear colourless liquid	Assay (GC)	≥ 99.8 %	Boiling point	188 ÷ 190 °C	Dimethylsulphone	≤ 0.1 %
Water content (K.F.)	≤ 1000 mg/Kg	Density at 20°C	1.096 ÷ 1.106	Acidity	≤ 100 ppm	Assay (GLC)	≥ 99.8 %
Identification	Positive	Refractive index at 20°C	1.4765 ÷ 1.4825	Water (K.F.)	≤ 0.1 %		
Colour	≤ 10 APHA	Non volatile residue	≤ 50 mg/Kg	Residue on evaporation	≤ 50 ppm		

Code	Size	Packaging	Notes
P03502T10	200 ml	Bottle with septum	On molecular sieves 4A
508001	1 l	Glass bottle	
P03502T16	1 l	Glass bottle	On molecular sieves 4A
508002	2.5 l	Glass bottle	
P03502T21	2.5 l	Glass bottle	On molecular sieves 4A
528335	5 l	Plastic tank	
P0350239	10 l	Plastic tank	
P0350242	20 l	Plastic tank	
P0350266	200 l	Combined drum	

**Dimethylsulphoxide-d6**

• Dimetilsolfossido-d6 • Diméthylsulfoxyde-d6 • Dimetilsulfóxido-d6 • Dimethylsulfoxid-d6

Synonym:
Hexadeuterodimethyl sulfoxide

CD₃SOCD₃
Molecular Weight: 84,18
CAS: 2206-27-1
EEC-N: 218-617-0

Dimethylsulphoxide-d6 > RS - For NMR - min 99.96%**RS**

Code	Size	Packaging	Notes
P5220	10 x 0.6 ml	Glass ampoule	
P5229	10 x 0.75 ml	Glass ampoule	

Hygroscopic product. Store well sealed in a dry place. For specifications, contact our customer service for a certificate of analysis s

Dimethylsulphoxide-d6 > RS - For NMR - min 99.8%**RS**

Code	Size	Packaging	Notes
P5200	10 x 0.6 ml	Glass ampoule	
P5209	10 x 0.75 ml	Glass ampoule	
P5204A	10 ml	Glass bottle	
P5204S	5 x 10 ml	Bottle with septum	
P5205	25 ml	Glass bottle	
P5206	100 ml	Glass bottle	

Hygroscopic product. Store well sealed in a dry place. For specifications, contact our customer service for a certificate of analysis s

**Dimethylsulphoxide-d6 + 0.03% TMS**

• Dimetilsolfossido-d6 + 0.03% TMS • Diméthylsulfoxyde-d6 + 0.03% TMS
• Dimetilsulfóxido-d6 + 0.03% TMS • Dimethylsulfoxid-d6 + 0.03% TMS

Synonym:
Hexadeuterodimethyl sulfoxide

CD₃SOCD₃
Molecular Weight: 84,18
CAS: 2206-27-1
EEC-N: 218-617-0

Dimethylsulphoxide-d6 + 0.03% TMS > RS - For NMR - min 99.95%**RS**

Code	Size	Packaging	Notes
P5541	10 x 0.75 ml	Glass ampoule	
P5545	25 ml	Glass bottle	

Hygroscopic product. Store well sealed in a dry place. For specifications, contact our customer service for a certificate of analysis s

Dimethylsulphoxide-d6 + 0.03% TMS > RS - For NMR - min 99.8%

RS

Code	Size	Packaging	Notes
P5602	10 x 0.6 ml	Glass ampoule	
P5605	25 ml	Glass bottle	

Hygroscopic product. Store well sealed in a dry place. For specifications, contact our customer service for a certificate of analysis



Dimidium bromide

• Dimidio bromuro • Dimidium bromure • Dimidio bromuro • Dimidiombromid

Synonym:

- 3,8-Diamino-5-methyl-6-phenylphenanthridinium bromide
- Trypadine

$C_{20}H_{18}BrN_3$
Molecular Weight: 380,29
CAS: 518-67-2
EEC-N: 208-256-7



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Dimidium bromide > RPE - For analysis

RPE

DescriptionRed-brown powder Loss on drying≤ 5 % Absorption (A1%/1cm;1 max; methanol)..... 168 - 177
IdentificationPositive Absorption Maximum.....523 - 528 nm Assay≥ 98 %

Code	Size	Packaging	Notes
445232	1 g	Glass bottle	
445231	5 g	Glass bottle	
445233	25 g	Glass bottle	

For the determination of surfactants



2,4-Dinitrochlorobenzene

• 2,4-Dinitrochlorobenzene • 2,4-Dinitrochlorobenzène • 2,4-Dinitro-1-clorobenceno • 2,4-Dinitrochlorbenzol

Synonym:

- DNCB
- 1-Chloro-2,4-dinitrobenzene

$(NO_2)_2C_6H_3Cl$
Molecular Weight: 202,55
CAS: 97-00-7
EEC-N: 202-551-4

Classification transport

ONU: 3441
Transport Hazard class: 6.1
Packing group II



Danger

H301-H311-H331-H373-H410
P271-P304+P340-P311a-P330-P361+P364-
P403+P233

2,4-Dinitrochlorobenzene > RE - Pure

RE

DescriptionYellow crystal. powder Melting point..... 48 ÷ 52 ° C Assay (argentimetric)≥98 %
IdentificationPositive Residue on ignition≤0.1 %

Code	Size	Packaging	Notes
445421	250 g	Glass bottle	



2,4-Dinitrophenylhydrazine (with 30% of water)

• 2,4-Dinitrofenilidrazina (con 30% di acqua) • 2,4-Dinitrofénylhydrazine (avec 30% d'eau) • 2,4-Dinitrofenilhidracina (con 30% de agua)
• 2,4-Dinitrophenylhydrazin (mit 30% Wasser)

$(NO_2)_2C_6H_3NHNH_2$
Molecular Weight: 198,14
CAS: 119-26-6
EEC-N: 204-309-3

Classification transport

ONU: 1325
Transport Hazard class: 4.1
Packing group II



Danger

H228-H302-H315-H319-HEU001
P210-P241-P280-P305+P351+P338-P332+P313-
P337+P313

2,4-Dinitrophenylhydrazine (with 30% of water) > RPE - For analysis

RPE

DescriptionReddish powder Melting point..... 198 ÷ 201 ° C Residue on ignition ≤ 500 ppm
IdentificationPositive Water (K.F.) 30 ÷ 35 % Assay (HPLC) ≥ 98.5 %

Code	Size	Packaging	Notes
445524	100 g	Glass bottle	

**1,4-Dioxane**

• 1,4-Diossano • 1,4-Dioxane • 1,4-Dioxano • 1,4-Dioxan

Synonym:
Diethylene oxideOCH₂CH₂OCH₂CH₂
Molecular Weight: 88,11
CAS: 123-91-1
EEC-N: 204-661-8**Classification transport**
ONU: 1165
Transport Hazard class: 3
Packing group II**Danger**H225-H319-H351-H335-HEU019-HEU066
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233**1,4-Dioxane > RS - For HPLC - Isocratic grade - Stabilized with BHT****RS**

Description	Clear liquid	Water (K.F.)	≤ 250 ppm	Alcalinity (NH ₃)	≤ 3 ppm	At 245 nm	≤ 0.229 AU
Colour	≤ 20 APHA	Residue on evaporation	≤ 5 ppm	Assay (CPG)	≥ 99.5 %	Transmittance	
Identification (I.R.)	Positive	Acidity (acetic acid)	≤ 50 ppm	Absorbance		At 270 nm	≥ 80 %

Code	Size	Packaging	Notes
443231	1 l	Glass bottle	

1,4-Dioxane > RS - Anhydrous - For analysis - Stabilized with BHT**RS**

Refractive index at 20°C	1.42 - 1.424	Peroxides (as H ₂ O ₂)	≤ 50 mg/Kg	Non volatile residue (without stab.)	≤ 10 mg/Kg
Water content (K.F.)	≤ 100 mg/Kg	Assay (GC)	≥ 99.8 %	Free acid (as CH ₃ COOH)	≤ 50 mg/Kg
Colour	≤ 10 Hazen	Stabilizer (ionol)	20 - 80 mg/Kg		

Code	Size	Packaging	Notes
P0361010	200 ml	Bottle with septum	
P0361016	1 l	Glass bottle	
P0361021	2.5 l	Glass bottle	

1,4-Dioxane > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611032001	50 ml	Glass bottle	Dioxane stock solution 1.0 mg/ml Ref Ph.Eur 1032001
611032003	50 ml	Glass bottle	Dioxane solution R1 0.1 mg/ml Ref Ph.Eur 1032003
611032002	100 ml	Glass bottle	Dioxane solution 0.5 mg/ml Ref Ph.Eur 1032002

1,4-Dioxane > RPE - For analysis - ACS - Reag.Ph.Eur. - Reag.USB - Stabilized with BHT**RPE**

Description	Clear colourless liquid	Water (K.F.)	≤500 ppm	Total sulphur	≤0.2 ppm	Na	≤0.5 ppm
Identification	Positive	Residue on evaporation	≤20 ppm	Ca	≤0.5 ppm	Pb	≤0.05 ppm
Density at 20° C	1.032 ÷ 1.036	Acetal	≤50 ppm	Cu	≤0.02 ppm	Zn	≤0.2 ppm
Refractive index at 20°C. 1.4194 ÷ 1.4254		Acidity	≤0.0016 meq/g	Fe	≤0.2 ppm	Assay (GLC)	≥99.8 %
Boiling point	100.5 ÷ 101.5 °C	Total phosphorus	≤0.1 ppm	K	≤0.1 ppm	Peroxides (H ₂ O ₂)	≤50 ppm
Freezing point	11.5 ÷ 12.1 °C	Total silicon	≤0.05 ppm	Mg	≤0.05 ppm	Carbonyl (as HCHO)	≤100 ppm

Code	Size	Packaging	Notes
443202000	1 l	Glass bottle	
443206000	2.5 l	Glass bottle	
443204000	5 l	Plastic tank	
443201000	28 kg	Metal drum	
443205	200 kg	Metal drum	

1,4-Dioxane > RE - Pure - Stabilized with BHT**RE**

Description	Clear colourless liquid	Refractive index at 20°C. 1.4174 ÷ 1.4274	Acetal	≤0.2 %	Stabilized with BHT	20 ÷ 80 ppm
Identification	Positive	Boiling point	100.3 ÷ 101.8 °C	Acidity (acetic acid)	≤ 50 ppm	
Colour	≤ 10 APHA	Water (K.F.)	≤0.1 %	Peroxides (H ₂ O ₂)	≤ 50 ppm	
Density at 20° C	1.031 ÷ 1.037	Residue on evaporation	≤50 ppm	Assay (GLC)	≥99.5 %	

Code	Size	Packaging	Notes
338001	1 l	Glass bottle	
338003	2.5 l	Glass bottle	
338002	5 l	Plastic tank	
338005	28 kg	Metal drum	
338004	25 l	Plastic tank	

**1,3-Dioxolane**

• 1,3-Diossolano • 1,3-Dioxolane • 1,3-Dioxolano • 1,3-Dioxolan

Synonym:

- Ethylene glycol methylene ether
- Formaldehyde ethylene acetal

C₃H₆O₂

Molecular Weight: 74,08

CAS: 646-06-0

EEC-N: 211-463-5

Classification transport

ONU: 1166

Transport Hazard class: 3

Packing group II

**Danger**

H225-H319

P210-P241-P280-P303+P361+P353-P305+P351+P338-P337+P313

1,3-Dioxolane > RE - Pure**RE**

Refractive index at 20°C 1.3980 - 1.4020

Colour ≤ 10 Hazen

Peroxides (as H2O2) ≤ 10 mg/Kg

Water content (K.F.) ≤ 150 mg/Kg

Assay (GC) ≥ 99.9 %

Stabilizer (ionol) ~75 mg/kg

Code	Size	Packaging	Notes
P8030216	1 l	Glass bottle	
P8030222	5 l	Plastic tank	
P8030249	25 l	Plastic tank	
P8030268	200 l	Metal drum	

**Diphenylamine solution 1% in sulfuric acid**

• Difenilammina soluzione 1% in acido solforico • Diphénylamine solution 1% dans l'acide sulfurique • Difenilamina solución 1% en ácido sulfúrico
• Diphenylaminlösung 1% in Schwefelsäure

(C₆H₅)₂NH

Molecular Weight: 169,23

CAS: 122-39-4

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Diphenylamine solution 1% in sulfuric acid > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611032109	100 ml	Glass bottle	Ref Ph.Eur 1032101
611032101	1 l	Glass bottle	Ref Ph.Eur 1032101
611032102	1 l	Glass bottle	Diphenylamine solution R1 Ref Ph.Eur 1032102

Storage: protected from light**4-Diphenylaminesulfonic acid sodium salt**

• 4-Difenilammina solfonato sodico • 4-Diphénylamine sulfonate sodique
• 4-Difenilamina sulfonato sal sódica • 4-Diphenylamin-Natriumsulfonat

Synonym:

- 4-(Phenylamino)benzene sulfonic acid sodium salt
- Sodium diphenylamine-4-sulfonate

C₆H₅NHC₆H₄SO₃Na

Molecular Weight: 271,27

CAS: 6152-67-6

EEC-N: 228-165-6

**Warning**

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

4-Diphenylaminesulfonic acid sodium salt > RPE - For analysis - ACS**RPE**

Description Whitish powder Identification Positive Sensitivity as indicat. Conform

Code	Size	Packaging	Notes
443671	10 g	Glass bottle	

Redox indicator. Purple / Red - Clear

**sym-Diphenylcarbazide**

• sim-Difenilcarbazide • Sym-Diphénylcarbazide • sim-Difenilcarbaida • sym-Diphenylcarbazid

Synonym:

- 1,5-Diphenylcarbazide
- 1,5-Diphenylcarbohydrazide

$C_6H_5NHNHCONHNHC_6H_5$
Molecular Weight: 242,28
CAS: 140-22-7
EEC-N: 205-403-7

sym-Diphenylcarbazide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description White powder Melting point 173 ÷ 176 ° C Chromate sensitivity Conform Assay (HPLC) ≥ 97.5 %
Identification Positive Loss on drying ≤ 1 % Sulphated ash ≤ 0.05 %

Code	Size	Packaging	Notes
443752	25 g	Glass bottle	
443754	100 g	Glass bottle	

Redox indicator**sym-Diphenylcarbazone**

• sim-Difenilcarbazona • Sym-Diphénylcarbazone • sim-Difenilcarbazona • sym-Diphenylcarbazon

Synonym:

Phenylazoformic acid 2-phenylhydrazide

$C_6H_5N:NCONHNHC_6H_5$
Molecular Weight: 240,27
CAS: 538-62-5
EEC-N: 208-698-0

sym-Diphenylcarbazone > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description Orange crystalline powder Acetone solubility Conform Residue on ignition ≤ 0.1 %
Identification Positive Mercury sensitivity Conform

Code	Size	Packaging	Notes
443801	10 g	Glass bottle	

Contains sym-Diphenylcarbazide. Redox indicator**Diphenylthiocarbazone**

• Difeniltiocarbazone • Diphénylthiocarbazone • Difeniltiocarbazona • Diphenylthiocarbazon

Synonym:

Dithizone

$C_6H_5NHNHCSN:NC_6H_5$
Molecular Weight: 256,32
CAS: 60-10-6
EEC-N: 200-454-1

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Diphenylthiocarbazone > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description Black-violet powder E 620/E 450 nm ≥ 1.55 Residue on ignition ≤ 0.3 %
Identification Positive Heavy metals (Pb) ≤ 20 ppm Assay (spectrophotom.) ≥ 85.0 %

Code	Size	Packaging	Notes
444053	50 g	Glass bottle	

**2,2'-Dipyridyl**

• 2,2'-Dipiridile • 2,2'-Dipyridyle • 2,2'-Dipiridilo • 2,2'-Dipyridyl

Synonym:

2,2'-Bipyridine

$C_{10}H_8N_2$
Molecular Weight: 156,19
CAS: 366-18-7
EEC-N: 206-674-4

Classification transport

ONU: 2811
Transport Hazard class: 6.1
Packing group III

**Danger**

H301-H311
P264-P280h-P301+P310a-P330-P361+P364-P501a

2,2'-Dipyridyl > RPE - For analysis**RPE**

Description Polvere crist. quasi bianca Melting point 69 ÷ 72 ° C Assay (GLC) ≥ 99.0 %
Identification Positive Iron sensitivity Conform

Code	Size	Packaging	Notes
445958	5 g	Glass bottle	

Reactive iron and molybdenum

2,6 - Di-tert-butyl-p-cresol ▶ Butylhydroxytoluene

Direct red 28 ▶ Congo red

Disodium hydrogen phosphate ▶ Sodium phosphate dibasic anhydrous

Disodium hydrogen phosphate dodecahydrate ▶ Sodium phosphate dibasic dodecahydrate

**Dithiooxamide**

• Dithioossammide • Dithiooxamide • Dithiooxamida • Dithiooxamids

$\text{NH}_2\text{CSCSNH}_2$
 Molecular Weight: 120,2
 CAS: 79-40-3
 EEC-N: 201-203-9

**Warning**

H302-H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Dithiooxamide > RPE - For analysis**RPE**

Description Red orange crystals Residue on ignition ≤500 ppm Assay (ex nitrogen) ≥98 %
 Identification Positive Copper sensitivity ≤ 0.05 µg/ml

Code	Size	Packaging	Notes
446008	5 g	Plastic bottle	

Dithizone ▶ Diphenylthiocarbazone

DMF ▶ N,N-Dimethylformamide

DMSO ▶ Dimethylsulphoxide

**1-Dodecanesulfonic acid sodium salt**

• Acido 1-dodecanosulfonico sale sodico • Acide 1-dodecanesulfonique sel sodique
 • Acido 1-dodecanosulfónico sal sódica • 1-Dodecansulfonsäure-Natriumsalz

Synonym:
Sodium 1-dodecanesulfonate

$\text{CH}_3(\text{CH}_2)_{11}\text{SO}_3\text{Na}$
 Molecular Weight: 272,39
 CAS: 2386-53-0

1-Dodecanesulfonic acid sodium salt > RS - For ion pair chromatography**RS**

Description White crystalline powder Assay ≥ 99.0 % At 210 nm ≤ 0.05 AU At 230 nm ≤ 0.02 AU
 Water (K.F) ≤ 1.0 % Absorbance (5% in water) At 220 nm ≤ 0.03 AU

Code	Size	Packaging	Notes
405881	25 g	Glass bottle	
405882	100 g	Plastic bottle	



Dodecylbenzenesulphonic acid sodium salt

- Acido dodecilbenzenosulfonico sale sodico • Acide dodécylbenzènesulfonique sel sodique
- Acido dodecilbensulfónico sal sódica • Dodecylbenzolsulfonsäure-Natrium-Salz

Synonym:
Sodium dodecylbenzenesulfonate

$C_{12}H_{25}C_6H_4SO_3Na$
Molecular Weight: 348,49
CAS: 25155-30-0
EEC-N: 246-680-4



Warning
H302
P264-P270-P301+P312a-P330-P501a

Dodecylbenzenesulphonic acid sodium salt > RS - For surfactants detection

RS

Description White-yellowish crystalline powder Identification Positive Water < 5.0 % Assay > 83 %

Code	Size	Packaging	Notes
405351	10 g	Glass bottle	
405352	25 g	Glass bottle	

Minimum 90% biodegradability

Dodecyltrimethylammonium bromide

- Dodeciltrimetilammonio bromuro • Dodécyltriméthylammonium bromure • Dodeciltrimetilammonio bromuro
- Dodecyltrimethylammoniumbromid

Synonym:
Lauryltrimethylammonium bromide

$CH_3(CH_2)_{11}N(CH_3)_3Br$
Molecular Weight: 308,34
CAS: 1119-94-4
EEC-N: 214-290-3

Classification transport
ONU: 3077
Transport Hazard class: 9
Packing group III



Warning
H302-H315-H319-H335-H410
P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

Dodecyltrimethylammonium bromide > RS - For ion pair chromatography

RS

Absorbance UV curve (10%)
A240nm (1M) ≤ 0.2 AU A250nm (1M) ≤ 0.03 AU A500nm (1M) ≤ 0.02 AU
A260nm (1M) ≤ 0.02 AU

Code	Size	Packaging	Notes
405941	25 g	Plastic bottle	



Dysprosium standard solution

- Disproso standard soluzione • Dysprosium solution standard • Disproso, solución patrón • Dysprosium-Standardlösung

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III



Dysprosium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505582	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505585	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Dysprosium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504231	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504233	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504235	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504237	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

a
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z

Dysprosium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507734	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507500	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

EDTA ▶ Ethylenediaminetetraacetic acid

EDTA disodium salt ▶ Ethylenediaminetetraacetic acid disodium salt

EDTA dipotassium salt dihydrate ▶ Ethylenediaminetetraacetic acid dipotassium salt dihydrate

EDTA potassium and magnesium salt dihydrate ▶ Ethylenediaminetetraacetic acid potassium and magnesium salt dihydrate

EDTA tetrasodium salt tetrahydrate ▶ Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate

EGTA ▶ Ethylene glycol bis(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid

**Ehrlich's reagent**

• Ehrlich reattivo • Réactif d'Ehrlich • Ehrlich reactivo • Ehrlich Reagenz

Classification transportONU: 3264
Transport Hazard class: 8
Packing group III**Danger**H290-H314-H317
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364**Ehrlich's reagent > RS - For microscopy**

RS

Description Yellow clear liquid Identification Positive

Code	Size	Packaging	Notes
E446302	500 ml	Glass bottle	

For urobilinogen detection**Eluent sodium bicarbonate**

• Eluente sodio bicarbonato • Eluant sodium dicarbonate • Eluyente sodio dicarbonato • Elutionsmittel Natriumbicarbonat

NaHCO₃
Molecular Weight: 84,01
CAS: 144-55-8**Eluent sodium bicarbonate > RS - Eluent concentrates for ion chromatography**

RS

Code	Size	Packaging	Notes
504534	100 ml	Plastic bottle	0.5 M Sodium bicarbonate
507578	1 l	Plastic bottle	0.5 M Sodium bicarbonate

**Eluent sodium carbonate**• Eluente sodio carbonato • Eluant sodium carbonate • Eluyente sodio carbonato
• Elutionsmittel Natriumcarbonat**Synonym:**• Calcined soda
• Carbonic acid disodium saltNa₂CO₃ HEU210
Molecular Weight: 84.01
CAS: 497-19-8**Eluent sodium carbonate > RS - Eluent concentrates for ion chromatography**

RS

Code	Size	Packaging	Notes
504533	100 ml	Plastic bottle	0.5 M Sodium carbonate
507577	1 l	Plastic bottle	0.5 M Sodium carbonate



Eluent sodium carbonate/sodium bicarbonate

- Eluente sodio carbonato/sodio bicarbonato • Eluant sodium carbonate/sodium bicarbonate • Eluyente sodio carbonato/sodio bicarbonato
- Elutionsmittel Natriumcarbonat / Natriumbicarbonat

HEU210

Eluent sodium carbonate/sodium bicarbonate > RS - Eluent concentrates for ion chromatography

RS

Code	Size	Packaging	Notes
504530	100 ml	Plastic bottle	0.18 M Sodium carbonate / 0.17 M Sodium bicarbonate
504531	100 ml	Plastic bottle	0.22 M Sodium carbonate / 0.28 M Sodium bicarbonate
504532	100 ml	Plastic bottle	0.35 M Sodium carbonate / 0.1 M Sodium bicarbonate



Eosin B

- Eosina B • Eosine B • Eosina B • Eosin B

Synonym:

- Acid Red 91
- 4',5'-Dibromo-2',7'-dinitrofluorescein, disodium salt

$C_{20}H_6Br_2N_2Na_2O_9$
Molecular Weight: 624,09
CAS: 548-24-3
EEC-N: 208-943-1

Eosin B > RPE - For analysis - C.I. 45400

RPE

Description Brown greyish powder Identification Positive Absorbion ind.sensit. Conform

Code	Size	Packaging	Notes
446602	25 g	Glass bottle	

Dye for microscopy (histology). Absorbance and fluorescence indicator



Eosin Y

- Eosina Y • Eosine Y • Eosina Y • Eosin Y

Synonym:

- Acid Red 87
- 2',4',5',7'-Tetrabromofluorescein disodium salt

$C_{20}H_6Br_4Na_2O_5$
Molecular Weight: 691,86
CAS: 17372-87-1
EEC-N: 241-409-6



Warning

H312-H332
P261-P271-P280h-P304+P340-P312a-P501a

Eosin Y > RS - For microscopy - C.I. 45380

RS

Description Red-brown powder Loss on drying ≤ 10 % Assay 80.00 ÷ 88.00 %
Identification Positive Sens. as absorption indicator Conform

Code	Size	Packaging	Notes
446632	25 g	Glass bottle	
446634	100 g	Plastic bottle	

Dye for histology



Eosin Y 1% solution aqueous

- Eosina Y 1% soluzione acquosa • Eosine Y 1% solution aqueuse • Eosina Y 1% solución acuosa
- Eosin Y 1% ige wässrige Lösung

Synonym:

- Acid Red 87
- 2',4',5',7'-Tetrabromofluorescein disodium salt

$C_{20}H_6Br_4Na_2O_5$
Molecular Weight: 691,86
CAS: 17372-87-1

HEU210

Eosin Y 1% solution aqueous > RS - For histology

RS

Description Brown liquid Identification Positive Maximum absorption 515÷518 nm A 1%/1cm (0.005 g/l) 1200÷1400 nm

Code	Size	Packaging	Notes
446644	1 l	Plastic bottle	In Vitro Diagnostic Medical Device

**Eosin Y 0.5% solution alcoholic**

• Eosina Y 0.5% soluzione alcolica • Eosine Y 0.5% solution alcoolique • Eosina Y 0.5% solución alcohólica
• Eosin Y 0.5% alkoholische Lösung

Synonym:

• Acid Red 87
• 2',4',5',7'-Tetrabromofluorescein disodium salt

$C_{20}H_6Br_4Na_2O_5$
Molecular Weight: 691,86
CAS: 17372-87-1

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group II

**Danger**

H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Eosin Y 0.5% solution alcoholic > RS - For microscopy

RS

Code	Size	Packaging	Notes
446664	1 l	Plastic bottle	In Vitro Diagnostic Medical Device

**Erbium standard solution**

• Erblio standard soluzione • Erbium solution standard • Erblio, solución patrón • Erbium-Standardlösung

Classification transport

ONU: 2837
Transport Hazard class: 8
Packing group III

**Erbium standard solution > RS - Standard solution for ICP-MS**

RS

Code	Size	Packaging	Notes
505592	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505595	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Erbium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504241	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504243	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504245	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504247	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Erbium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507735	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507501	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Eriochrome black T**

• Nero eriocromo T • Noir ériochrome T • Negro de eriocromo T • Schwarzes Eriochrom T

Synonym:

Mordant Black 11

$C_{20}H_{12}N_3NaO_7S$
Molecular Weight: 461,39
CAS: 1787-61-7

HEU210

Eriochrome black T > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611056801	100 g	Plastic bottle	Ref Ph.Eur 1056801

Storage: protected from light

Eriochrome black T > RPE - For analysis - C.I. 14645

RPE

Description Blackish brown powder Identification Positive Loss on drying ≤ 10 % Sensitivity Conform

Code	Size	Packaging	Notes
464221	10 g	Glass bottle	
464222	25 g	Glass bottle	

Complexometric indicator


Eriochromocyanine R

• Eriocromo cianina R • Eriochrome cyanine R • Eriocromocianina R • Eriochromocyanin R

Synonym:

Chromoxane cyanine R
 $C_{23}H_{15}Na_3O_9S$
 Molecular Weight: 536,4
 CAS: 3564-18-9
 EEC-N: 222-641-7

Warning

 H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Eriochromocyanine R > RPE - For analysis - C.I. 43820

RPE

Description Red brick powder Identification Positive Aluminium sensitivity ≥1 µg/ml

Code	Size	Packaging	Notes
446811	10 g	Glass bottle	
446812	25 g	Glass bottle	

For the determination of Al. Complexometric indicator


Erythrosin extra B

• Eritrosina extra B • Erythrosine extra B • Eritrosina extra B • Erythrosin extra B

Synonym:

 • Acid Red 51
 • 2',4',5',7'-Tetraiodofluorescein disodium salt

 $C_{20}H_6I_4O_5Na_2$
 Molecular Weight: 879,87
 CAS: 16423-68-0
 EEC-N: 240-474-8

Warning

 H302
 P264-P270-P301+P312a-P330-P501a

Erythrosin extra B > RS - For microscopy - C.I. 45430

RS

Description Red brown powder Identification Positive Assorbanza 524-527 nm Conform Assorbidività specifica 1%/1cm 930-1170

Code	Size	Packaging	Notes
446972	25 g	Glass bottle	
446971	100 g	Plastic bottle	

Dye for histology


Esbach's reagent

• Esbach reattivo • Réactif d'Esbach • Esbach reattivo • Esbach-Reagenz

HEU210

Esbach's reagent > RS - For microscopy

RS

Description Yellow clear liquid Identification Positive

Code	Size	Packaging	Notes
446981	1 l	Plastic bottle	

For the determination of albumin

1,2-Ethanediol ► Ethylene glycol

**Ethanol absolute anhydrous**

• Etanolo assoluto anidro • Ethanol absolu anhydre • Etanol absoluto anhidro • Ethanol absolut wasserfrei

Synonym:

*Ethyl alcohol absolute anhydrous*C₂H₅OH

Molecular Weight: 46,07

CAS: 64-17-5

EEC-N: 200-578-6

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II

**Danger**

H225-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P337+P313

Ethanol absolute anhydrous > RS - For HPLC PLUS Gradient grade

RS

Description	Clear colourless liquid	Water (K.F.)	≤0.05 %	U.V. Transmittance	At 260 nm	≥ 98 %
Identification	Positive	Residue on evaporation	≤5 ppm	at 210 nm	≥ 270 nm	≥ 99 %
Density at 20° C	0.7893 ÷ 0.7899	Assay (GLC)	≥99.9 %	at 220 nm	Acetal + acetaldehyde	≤ 10 ppm(v/v)
Refractive index at 20°C	1.3602 ÷ 1.3622	Fluorescence		at 230 nm	HPLC Gradient	
Boiling point	78.3 ÷ 78.8 ° C	at 254 nm	≤2 ppb	At 240 nm	At 235 nm	≤ 5 mAU
Acidity or alkalinity	≤0.0002 meq/g	at 365 nm	≤2 ppb	at 250 nm		

Code	Size	Packaging	Notes
412704	500 ml	Glass bottle	
412701	1 l	Glass bottle	Only for Italian market
412703	1 l	Glass bottle PVC coated	Only for Italian market
4127012	1 l	Glass bottle	
4127032	1 l	Glass bottle PVC coated	
412702	2.5 l	Glass bottle	Only for Italian market
4127022	2.5 l	Glass bottle	

Ethanol absolute anhydrous > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Acidity or alkalinity	≤0.0002 meq/g	at 210 nm	≥25 %	at 270 nm	≥94 %
Identification	Positive	Water (K.F.)	≤0.05 %	at 220 nm	≥50 %	at 290 nm	≥97 %
Density at 20° C	0.7893 ÷ 0.7899	Residue on evaporation	≤5 ppm	at 230 nm	≥75 %		
Refractive index at 20°C	1.3602 ÷ 1.3622	Assay (GLC)	≥99.9 %	At 240 nm	≥ 80 %		
Boiling point	78.3 ÷ 78.8 ° C	U.V. Transmittance		at 250 nm	≥90 %		

Code	Size	Packaging	Notes
412521	1 l	Glass bottle	Only for Italian market
4125212	1 l	Glass bottle	
412522	2.5 l	Glass bottle	Only for Italian market
4125222	2.5 l	Glass bottle	

Ethanol absolute anhydrous > RS - SPECTROSOL - For optical spectroscopy

RS

Description	Clear colourless liquid	Water (K.F.)	≤0.2 %	at 365 nm	≤2 ppb	at 250 nm	≥89 %
Identification	Positive	Residue on evaporation	≤10 ppm	U.V. Transmittance		at 270 nm	≥94 %
Density at 20° C	0.7893 ÷ 0.7899	Assay (GLC)	≥99.8 %	at 210 nm	≥25 %	at 290 nm	≥97 %
Boiling point	78.3 ÷ 78.8 ° C	Fluorescence		at 220 nm	≥50 %		
Acidity or alkalinity	≤0.0002 meq/g	at 254 nm	≤2 ppb	at 230 nm	≥75 %		

Code	Size	Packaging	Notes
414677	1 l	Glass bottle	Only for Italian market
4146772	1 l	Glass bottle	

Ethanol absolute anhydrous > RS - Anhydrous - For analysis

RS

Refractive index at 20°C	1.358 - 1.362	Alcohol content (20°C)	≥ 99.9 % V/V	Free acid (as CH ₃ COOH)	≤ 10 mg/Kg
Water content (K.F.)	≤ 200 mg/Kg	Non volatile residue	≤ 10 mg/Kg	Aldehydes (as acetaldehyde)	≤ 3 mg/Kg
Colour	≤ 10 Hazen	Assay (GC)	≥ 99.8 %	Esters (as CH ₃ COOC ₂ H ₅)	≤ 25 mg/Kg

Code	Size	Packaging	Notes
P013A1010	200 ml	Bottle with septum	
P013A1016	1 l	Glass bottle	
P013A1021	2.5 l	Glass bottle	

Ethanol absolute anhydrous > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527681	1 l	Plastic bottle	
527680	2.5 l	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis

Ethanol absolute anhydrous > RS - RSE - For electronic use

RS

Description	Clear colourless liquid	Chloride	≤0.2 ppm	Ca	≤0.5 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Carbonyl Compounds (CO)	≤10 ppm	Cd	≤0.01 ppm	Pb	≤0.02 ppm
Identification	Positive	Total phosphorus	≤0.1 ppm	Co	≤0.01 ppm	Pt	≤0.05 ppm
Water miscibility	Conform	Heavy metals (Pb)	≤0.2 ppm	Cr	≤0.02 ppm	Sb	≤0.01 ppm
Ready carbonizable substances	Conform	Subst. reducing KMnO4	≤2.5 ppm	Cu	≤0.02 ppm	Sn	≤0.02 ppm
Density at 20° C	0.790 ÷ 0.793	Total sulphur	≤1 ppm	Fe	≤0.1 ppm	Sr	≤0.02 ppm
Boiling point	78.3 ÷ 78.8 °C	Ag	≤0.02 ppm	Ga	≤0.02 ppm	Ti	≤0.05 ppm
Resistivity	≥0.5 Mohm cm	Al	≤0.05 ppm	In	≤0.02 ppm	Tl	≤0.05 ppm
Assay(alcohol.) at 20°C	≥99.9 %	As	≤0.01 ppm	K	≤0.1 ppm	V	≤0.05 ppm
Water (K.F.)	≤0.1 %	Au	≤0.05 ppm	Li	≤0.02 ppm	Zn	≤0.03 ppm
Residue on evaporation	≤10 ppm	B	≤0.01 ppm	Mg	≤0.1 ppm	Zr	≤0.05 ppm
Acidity (acetic acid)	≤10 ppm	Ba	≤0.1 ppm	Mn	≤0.01 ppm		
Alcalinity (NH3)	≤1 ppm	Be	≤0.02 ppm	Mo	≤0.05 ppm		
Methyl alcohol	≤100 ppm	Bi	≤0.02 ppm	Na	≤0.5 ppm		

Code	Size	Packaging	Notes
414587	1 l	Glass bottle	Only for Italian market
4145872	1 l	Glass bottle	
414583	2.5 l	Glass bottle	Only for Italian market
4145832	2.5 l	Glass bottle	

Ethanol absolute anhydrous > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear colourless liquid	Acidity (acetic acid)	≤ 10 ppm	Assay (alcoholometric) at 20°C	≥ 99.9 %v/v	Fe	≤ 0.1 ppm
Colour	≤ 10 APHA	Alcalinity (NH3)	≤ 1 ppm	Volatil impurities	Conform	Mg	≤ 0.1 ppm
Identification (I.R.)	Positive	Isopropyl alcohol	≤ 30 ppm	Al	≤ 0.5 ppm	Mn	≤ 0.02 ppm
Water miscibility	Complete	Methyl alcohol	≤ 50 ppm	B	≤ 0.02 ppm	Ni	≤ 0.02 ppm
Density at 20°C	0.7893 ÷ 0.7899	Benzene	≤ 2 ppm(v/v)	Ba	≤ 0.1 ppm	Pb	≤ 0.1 ppm
Boiling point	78.3 ÷ 78.8 °C	Carbonyl compounds (CO)	≤ 5 ppm	Ca	≤ 0.5 ppm	Sn	≤ 0.1 ppm
Refractive index at 20°C	1.3602 ÷ 1.3622	Subst. reducing KMnO4	≤ 3 ppm	Cd	≤ 0.05 ppm	Acetal + acetaldehyde	≤ 10 ppm(v/v)
Water (K.F.)	≤ 0.1 %	Heavy metals (Pb)	≤ 1 ppm	Co	≤ 0.02 ppm		
Residue on evaporation	≤ 10 ppm	Absorbance UV (5cm, ref. water)	Conform	Cr	≤ 0.02 ppm		
Substances darkened by H2SO4	Conform	Assay (CPG)	≥ 99.9 %	Cu	≤ 0.02 ppm		

Code	Size	Packaging	Notes
414601	1 l	Plastic bottle	Only for Italian market
414607	1 l	Glass bottle	Only for Italian market
4146012	1 l	Plastic bottle	
4146072	1 l	Glass bottle	
414605	2.5 l	Plastic bottle	Only for Italian market
414608	2.5 l	Glass bottle	Only for Italian market
4146052	2.5 l	Plastic bottle	
4146082	2.5 l	Glass bottle	
414603	5 l	Aluminium can	
414606	5 l	Plastic bottle	
524125	5 l	Plastic tank	
4146032	5 l	Aluminium bottle	Untaxed, for Italian license holders only
4146062	5 l	Plastic bottle	Untaxed, for Italian license holders only
5241252	5 l	Plastic tank	Untaxed, for Italian license holders only
414604	10 l	Plastic tank	
414609	25 l	Plastic tank	
4146092	25 l	Plastic tank	Untaxed, for Italian license holders only
414602	200 l	Plastic drum	
4146022	200 l	Plastic drum	Untaxed, for Italian license holders only

Ethanol absolute anhydrous > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-BP-JP**ERBApharm**

Description	Clear colourless liquid	Residue on evaporation	≤ 25 ppm(m/v)	Acetal + acetaldehyde	≤ 10 ppm(v/v)	From 270 to 340 nm	≤ 0.10 AU
Identification (I.R.)	Positive	Assay (alcoholometric) at 15,56°C	≥ 99.5 % (v/v)	Benzene	≤ 2 ppm(v/v)	235 - 340 nm	Smooth curve
Color of solution	Pass test	Assay (alcoholometric) at 20°C	≥ 99.5 % (v/v)	Total other impurities	≤ 300 ppm(v/v)	Origin (BSE/TSE)	Vegetable
Clarity of solution	Pass test	Acidity or alkalinity	≤ 30 ppm	Water (K.F.)	≤ 0.1 %	Residual solvents (Current ICH)	Conform
Density at 20°C	0.790 - 0.793	Volatil impurities	Pass test	Absorbance UV (5cm, ref. water) ..	Pass test		
Density at 15.56°C	≤ 0.7962	Methyl alcohol	≤ 75 ppm(v/v)	At 240 nm	≤ 0.40 AU		
Boiling point	78 - 79 °C			From 250 to 260 nm	≤ 0.30 AU		

Code	Size	Packaging	Notes
529121	1 l	Glass bottle	
308661	2.5 l	Plastic bottle	Only for Italian market
308662	2.5 l	Glass bottle	Only for Italian market
3086612	2.5 l	Plastic bottle	
3086622	2.5 l	Glass bottle	
529122	5 l	Plastic tank	
5291222	5 l	Plastic tank	Untaxed, for Italian license holders only
529124	10 l	Plastic tank	
308664	25 l	Combined drum	
308667	25 l	Plastic tank	
3086642	25 l	Combined drum	Untaxed, for italian license holders only
308663	200 l	Plastic drum	
529125	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethanol absolute anhydrous > RE - Pure**RE**

Description	Clear colourless liquid	Density at 20° C	0.7866 ÷ 0.7926	Water (K.F.)	≤ 0.1 %	Acidity (acetic acid)	≤ 50 ppm
Identification	Positive	Boiling point	78.0 ÷ 79.0 ° C	Residue on evaporation	≤ 30 ppm	Assay (alcohol.) at 20°C	≥ 99.9 % (v/v)

Code	Size	Packaging	Notes
308602	1 l	Plastic bottle	Only for Italian market
308607	1 l	Glass bottle	Only for Italian market
308608	1 l	Plastic bottle	Origin: synthesis
3086022	1 l	Plastic bottle	
3086072	1 l	Glass bottle	
308603	2.5 l	Glass bottle	Only for Italian market
308605	2.5 l	Plastic bottle	Only for Italian market
3086032	2.5 l	Glass bottle	
3086052	2.5 l	Plastic bottle	
528131	5 l	Plastic tank	
308609	10 l	Plastic tank	
3086092	10 l	Plastic tank	Untaxed, for italian license holders only
308601	25 l	Metal drum	
308604	25 l	Plastic tank	
308600	200 l	Metal drum	



Ethanol 96°

• Etanolo 96° • Ethanol 96° • Etanol 96° • Ethanol 96°

Synonym:
Ethyl alcohol 96°

C₂H₅OH

Molecular Weight: 46,07

CAS: 64-17-5

EEC-N: 200-578-6

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II



Danger

H225-H319

P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Ethanol 96° > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Boiling point.....	78.0 ÷ 79.0 °C	%v/v	At 280 nm	≥ 98 %
Colour	≤ 10 APHA	Acidity	≤ 0.0002 meq/g	Transmittance	Assay (CPG)	≥ 99.8 %
Identification (I.R.).....	Positive	Residue on evaporation	≤ 5 ppm	At 210 nm	≥ 30 %	
Density at 20°C	0.8050 ÷ 0.8124	Assay (alcoholic) at 20°C..	96.0 ÷ 96.3	At 254 nm	≥ 96 %	

Code	Size	Packaging	Notes
414541	1 l	Glass bottle	Only for Italian market
4145412	1 l	Glass bottle	
414542	2.5 l	Glass bottle	Only for Italian market
4145422	2.5 l	Glass bottle	

Ethanol 96° > RS - SPECTROSOL - For optical spectroscopy

RS

Description	Clear colourless liquid	Acidity or alkalinity.....	≤0.0005 meq/g	at 365 nm	≤2 ppb	at 250 nm	≥90 %
Colour (APHA)	≤10	Residue on evaporation	≤10 ppm	U.V. Transmittance		at 270 nm	≥98 %
Identification	Positive	Assay(alcohol.) at 20°C	≥96.0 %(v/v)	at 210 nm	≥35 %		
Density at 20° C	0.8050 ÷ 0.8124	Fluorescence		at 220 nm	≥55 %		
Boiling point.....	78.0 ÷ 79.0 ° C	at 254 nm	≤2 ppb	at 230 nm	≥72 %		

Code	Size	Packaging	Notes
414667	1 l	Glass bottle	Only for Italian market
4146672	1 l	Glass bottle	

Ethanol 96° > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611002501	1 l	Glass bottle	Ref Ph.Eur 1002501

Ethanol 96° > RPE - For analysis - ACS - Reag. Ph.Eur.**RPE**

Description	Clear liquid	Density at 20° C	0.8050 ÷ 0.8124	Subst. reducing KMnO4	≤ 3 ppm	Mn	≤ 0.02 ppm
Colour (APHA)	≤ 10	Boiling point	78.0 ÷ 79.0 ° C	Ba	≤ 0.1 ppm	Ni	≤ 0.02 ppm
Identification (I.R.)	Positive	Residue on evaporation	≤ 10 ppm	Ca	≤ 0.5 ppm	Pb	≤ 0.1 ppm
Appearance of solution	Conform USP	Acidity (acetic acid)	≤ 30 ppm	Cd	≤ 0.05 ppm	Sn	≤ 0.1 ppm
Absorbance	Conform Ph Eur	Alcalinity (NH3)	≤ 0.0002 meq/g	Co	≤ 0.02 ppm	Zn	≤ 0.1 ppm
Volatile impurities	Conform Ph Eur	Alcole isopropilico-acetone	Conform	Cr	≤ 0.02 ppm	Assay(alcohol.) at 20°C	96.0 ÷ 96.9 % (v/v)
Water miscibility	Conform ACS	Methyl alcohol	≤ 0.1 %	Cu	≤ 0.02 ppm	Assay (GLC)	≥ 95.0 %
Substances darkened by sulphuric acid	Conform ACS	Carbonyl Compounds (CO)	≤ 5 ppm	Fe	≤ 0.1 ppm		
		Acetal + acetaldehyde	≤ 10 ppm(v/v)	Mg	≤ 0.1 ppm		

Code	Size	Packaging	Notes
414634	1 l	Plastic bottle	Only for Italian market
414637	1 l	Glass bottle	Only for Italian market
4146342	1 l	Plastic bottle	
4146372	1 l	Glass bottle	
414631	2.5 l	Glass bottle	Only for Italian market
414632	2.5 l	Plastic bottle	Only for Italian market
4146312	2.5 l	Glass bottle	
4146322	2.5 l	Plastic bottle	
414635	5 l	Plastic tank	
4146352	5 l	Plastic tank	Untaxed, for Italian license holders only
414638	10 l	Plastic tank	
414639	25 l	Plastic tank	
414633	200 l	Plastic drum	

Ethanol 96° > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description	Clear liquid	Benzene	≤ 2 ppm	Alcalinity (NH3)	≤ 1 ppm	Cu	≤ 0.02 ppm
Colour (APHA)	≤ 10	Other impurities	≤ 300 ppm	Isopropyl alcohol	≤ 30 ppm	Fe	≤ 0.1 ppm
Identification A	Conform	Furfural	Conform	Carbonyl Compounds (CO)	≤ 5 ppm	Mg	≤ 0.1 ppm
Identification B	Conform	Water miscibility	Conform ACS	Subst. reducing KMnO4	≤ 3 ppm	Mn	≤ 0.02 ppm
Identification C	Conform	Tail products	Conform	Al	≤ 0.5 ppm	Ni	≤ 0.02 ppm
Absorbance		Substances darkened by sulphuric acid	Conform ACS	B	≤ 0.02 ppm	Pb	≤ 0.1 ppm
at 240 nm	≤ 0.40	Density at 20° C	0.8050 ÷ 0.8124	Ba	≤ 0.1 ppm	Sn	≤ 0.1 ppm
at 250 - 260 nm	≤ 0.30	Boiling point	78.0 ÷ 79.0 ° C	Ca	≤ 0.5 ppm	Zn	≤ 0.1 ppm
at 270 - 340 nm	≤ 0.10	Residue on evaporation	≤ 10 ppm	Cd	≤ 0.05 ppm	Assay(alcohol.) at 20°C	96.0 ÷ 96.9 % (v/v)
Methyl alcohol	≤ 200 ppm	Acidity (acetic acid)	≤ 10 ppm	Co	≤ 0.02 ppm	Assay(densim.) at 15.5°C	94.9 ÷ 96.0 % (v/v)
Acetaldehyde + acetal	≤ 10 ppm			Cr	≤ 0.02 ppm		

Code	Size	Packaging	Notes
414622	200 l	Plastic drum	

Ethanol 96° > ERBapharm - According to pharmacopoeia: Ph.Eur.- Microbiological tested**ERBapharm**

Description	Clear colourless liquid	Volatil impurities	Pass test	%v/v	CFU/100ml
Identification (I.R.)	Positive	Density at 20°C	0.805 - 0.812	Origin (BSE/TSE)	Vegetable
Appearance of solution	Pass test	Boiling point	78 - 79 ° C	Total aerobic microbial count (TAMC)	≤ 5
Acidity or alcalinity	Pass test	Residue on evaporation	≤ 0.0025 % (m/v)	CFU/100ml	
Absorbance UV (5cm, ref. water)	Pass test	Assay (alcoholometric) at 20°C	95.1 - 96.9	Total yeasts/mould count (TYMC)	≤ 5

Code	Size	Packaging	Notes
524135	5 l	Plastic tank	
524132	25 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethanol 96° > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP

ERBApharm

Description	Clear colourless liquid	Assay (densim.) at 15.5° 94.9 ÷ 96.0 % v/v	Color of solution	Conform USP-NF	Total other impurities	≤ 300 ppm(v/v)
Identification	Positive	Assay (alcohol.) at 20°C .95.1 ÷ 96.9 % v/v	Clarity of solution	Conform USP-NF	Absorbance UV (5cm, ref. water) ..	Pass test
Density at 20° C	0.805 ÷ 0.812	Appearance of solution	Conform Ph.Eur.	Volatil impurities	At 240 nm	≤ 0.40 AU
Densità a 15.5°C	0.812 ÷ 0.816	Boiling point	~ 78 ° C	Methyl alcohol	From 250 to 260 nm	≤ 0.30 AU
Acidity or alkalinity	Conform Ph.Eur.	Origin (BSE/TSE)	Vegetable	Acetal + acetaldehyde	From 270 to 340 nm	≤ 0.10 AU
Residue on evaporation	≤ 0.0025 % m/v	Residual solvents (Current ICH)	Conform	Benzene	235 - 340 nm	Smooth curve

Code	Size	Packaging	Notes
308644	1 l	Plastic bottle	Only for Italian market
308647	1 l	Glass bottle	Only for Italian market
3086442	1 l	Plastic bottle	
3086472	1 l	Glass bottle	
308641	2.5 l	Glass bottle	Only for Italian market
308649	2.5 l	Plastic bottle	Only for Italian market
3086412	2.5 l	Glass bottle	
3086492	2.5 l	Plastic bottle	
529141	5 l	Plastic tank	
5291412	5 l	Plastic tank	Untaxed, for Italian license holders only
308646	10 l	Plastic tank	
3086462	10 l	Plastic tank	Untaxed, for italian license holders only
308645	25 l	Plastic tank	
3086452	25 l	Plastic tank	Untaxed, for italian license holders only
308648	27 l	Combined drum	
3086482	27 l	Combined drum	Untaxed, for italian license holders only
308643	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethanol 96° > RE - Pure

RE

Description	Clear colourless liquid	Water miscibility	Complete	Density	0.805 ÷ 0.8125	Assay (alcohol)	95 ÷ 96.9 % (v/v)
Colour	≤ 10 APHA	Acidity (acetic ac)	≤ 0.005 %	Assay GLC	≥ 99 %	Assay (GLC)	≥ 99 %
Identification	Positive	Boiling point	78 ÷ 79.5 °C	Residue on evaporation	≤ 25 ppm		

Code	Size	Packaging	Notes
528151	5 l	Plastic tank	
528152	10 l	Plastic tank	
528154	20 l	Plastic tank	
529152	25 l	Plastic tank	
528153	200 l	Metal drum	



Ethanol 70% v/v

• Etanolo 70% v/v • Ethanol 70% v/v • Etanol 70% v/v • Ethanol 70% v/v

Synonym:
Ethyl alcohol 70%

C₂H₅OH
Molecular Weight: 46,07
CAS: 64-17-5

Classification transport
ONU: 1170
Transport Hazard class: 3
Packing group II



Danger
H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Ethanol 70% v/v > ERBApharm - According to pharmacopoeia: Ph.Eur.

ERBApharm

Description	Clear colourless liquid	Identity (I.R.)	Positive	Assay (alcohol) .....	.69 ÷ 71 % (v/v)	Purified water	Batch number
Identification (I.R.)	Positif	Assay (alcoholometric) at 20°C	.69 ÷ 71 % v/v	Ethyl alcohol (or. Tereos)	Batch number		

Code	Size	Packaging	Notes
529187000	20 x 500 ml	Spray bottle	Sold by box: 20 bottles + 4 sprayers
529189	5 l	Plastic tank	
529183	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethanol 70% v/v > ERBApharm - According to pharmacopoeia: BP-Ph.Eur.**ERBApharm**

Description Clear colourless liquid Residue on evaporation ≤ 25 ppm(m/v) Apparent density 882.2 ÷ 887.1 kg/m³
 Volatil impurities (GC) Passed test Acidity (acetic acid) ≤ 30 ppm Assay (alcoholometric) at 20°C 69.0 ÷ 71.0 %v/v

Code	Size	Packaging	Notes
529184	1 l	Spray bottle	Sold by box 6 bottles + 3 sprayers
529184000	1 l	Spray bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethanol 70% v/v > RE - Pure**RE**

Description Clear liquid Identification Positive Residue on evaporation ≤ 30 ppm Substances reducing KMnO₄ (O) ≤ 3 ppm
 Identity (IR) Positive Acidity ≤ 0.003 % Water miscibility Conform ACS Assay (alcohol.) at 20°C ≥ 70 % (v/v)
 Colour Incolore Alkalinity ≤ 3 ppm Substances darkened by sulphuric acid
 Assay (alcohol) 69 ÷ 71 % (v/v) Methanol ≤ 100 ppm Conform ACS

Code	Size	Packaging	Notes
308771	2.5 l	Plastic bottle	
528170	5 l	Plastic tank	
529186	10 l	Plastic tank	
308775	25 l	Plastic tank	
3087752	25 l	Plastic tank	Untaxed, for italian license holders only

**Ethanol 60% v/v**

• Etanolo 60% v/v • Ethanol 60% v/v • Etanol 60% v/v • Ethanol 60°

Synonym:
Ethyl alcohol 60%

C₂H₅OH
 Molecular Weight: 46,07
 CAS: 64-17-5
 EEC-N: 200-578-6

Classification transport
 ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Ethanol 60% v/v > RE - Pure**RE**

Description Clear colourless liquid Assay (alcohol) 59.0 ÷ 61.0 % (v/v)

Code	Size	Packaging	Notes
529180	5 l	Plastic tank	
529181	5 l	Plastic bottle	

**Ethanol 50% v/v**

• Etanolo 50% v/v • Ethanol 50% v/v • Etanol 50% v/v • Ethanol 50% v/v

Synonym:
Ethyl alcohol 50%

C₂H₅OH
 Molecular Weight: 46,07
 CAS: 64-17-5

Classification transport
 ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Ethanol 50% v/v > ERBApharm - Prepared from raw material according Ph.Eur**ERBApharm**

Description Clear colourless liquid Acidity (acetic acid) ≤ 30 ppm Assay (alcoholometric) at 20°C 49.0 - 51.0 %v/v
 Residue on evaporation ≤ 25 ppm Volatil impurities (GC) Pass test

Code	Size	Packaging	Notes
529261	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Ethanol absolute denaturated

- Etanolo assoluto denaturato • Ethanol absolu dénaturé • Etanol absoluto desnaturalizado
- Ethanol absolut vergällt

Synonym:
Ethyl alcohol absolute denaturated

C₂H₅OH
Molecular Weight: 46,07
CAS: 64-17-5

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II



Danger
H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Ethanol absolute denaturated > RE - Pure - According to European regulation

RE

Description Clear colourless liquid Colour ≤ 10 APHA Density at 20°C 0.787 ÷ 0.793 Assay (alcohol) ≥ 99.2 % (v/v)

Code	Size	Packaging	Notes
528761	1 l	Glass bottle	
528765	2.5 l	Glass bottle	
528763	5 l	Metal tank	
528764	5 l	Plastic tank	
528766	10 l	Plastic tank	
528762	25 l	Plastic tank	

According to regulation 2016/1867 of 20th october 2016 deleting 3199/93. Eurodenaturant: 1l isopropanol IPA), 1l methylethylketone (MEK), 1g of denatonium benzoate per hectolitre of absolute alcohol

Ethanol absolute denaturated > RE - Pure - According to italian denaturing procedure

RE

Description Clear pink liquid Density at 15° C ~ 0.796 Assay(alcohol.) at 20°C ≥ 99.5 % (V/V)
Identification Positive Boiling point..... 77 ÷ 79 °C

Code	Size	Packaging	Notes
308651	1 l	Plastic bottle	
308653	5 l	Plastic bottle	
308656	10 l	Plastic tank	
308655	25 l	Metal drum	
308652	200 l	Metal drum	

Denaturing procedures authorized only on Italian market



Ethanol 95° denaturated

- Etanolo 95° denaturato • Ethanol 95° dénaturé • Etanol 95° desnaturalizado • Ethanol vergällt 95°

Synonym:
Ethyl alcohol 95° denaturated

C₂H₅OH
Molecular Weight: 46,07
CAS: 64-17-5

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II



Danger
H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Ethanol 95° denaturated > RE - Pure - According to European regulation

RE

Description Clear colourless liquid Colour ≤ 10 APHA Density at 20°C 0.804 ÷ 0.812 Assay (alcohol) 94.8 ÷ 96.8 % (v/v)

Code	Size	Packaging	Notes
528771	1 l	Glass bottle	
528775	5 l	Plastic tank	
528772	10 l	Plastic tank	
528773	25 l	Plastic tank	
528774	200 l	Metal drum	

According to regulation 2016/1867 of 20th october 2016 deleting 3199/93. Eurodenaturant: 1l isopropanol IPA), 1l methylethylketone (MEK), 1g of denatonium benzoate per hectolitre of absolute alcohol

**Ethanol 94° denaturated**

• Etanolo 94° denaturato • Ethanol 94° dénaturé • Etanol 94° desnaturalizado • Ethanol vergällt 94°

Synonym:

*Ethyl alcohol 94° denaturated*C₂H₅OH

Molecular Weight: 46,07

CAS: 64-17-5

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II

**Danger**

H225-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P337+P313

Ethanol 94° denaturated > RE - Pure - According to italian denaturing procedure**RE**

DescriptionClear pink liquid IdentificationPositive Density at 15° C0.815 ÷ 0.825 Assay(alcohol.) at 20°C92 ÷ 96 %

Code	Size	Packaging	Notes
308621	1 l	Plastic bottle	
308623	5 l	Plastic bottle	
308625	10 l	Plastic tank	
308624	25 l	Metal drum	

Denaturing procedures authorized only on Italian market**Ethanol 90° denaturated**

• Etanolo 90° denaturato • Ethanol 90° dénaturé • Etanol 90° desnaturalizado • Ethanol vergällt 90°

Synonym:

*Ethyl alcohol 90° denaturated*C₂H₅OH

Molecular Weight: 46,07

CAS: 64-17-5

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II

**Danger**

H225-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P337+P313

Ethanol 90° denaturated > RE - Pure - According to italian denaturing procedure**RE**

DescriptionClear pink liquid IdentificationPositive Density at 15° C0.830 ÷ 0.840 Assay(alcohol.) at 20°C88 ÷ 92 %

Code	Size	Packaging	Notes
308681	1 l	Plastic bottle	
308683	5 l	Plastic bottle	
308682	25 l	Metal drum	
308687	160 kg	Metal drum	

Denaturing procedures authorized only on Italian market**Ethanol 70°modified**

• Etanolo 70° modificato • Ethanol 70° modifié • Etanol 70° modificada • Ethanol 70° geändert

Synonym:

*Ethyl alcohol 70° denaturated*C₂H₅OH

Molecular Weight: 46,07

CAS: 64-17-5

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group III

**Warning**

H226-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P337+P313

Ethanol 70°modified > RE - Pure**RE**

Assay69.5 ÷ 71.5 % v/v Density at 20°C0.881 ÷ 0.886

Code	Size	Packaging	Notes
528191	5 l	Plastic tank	
528192	20 l	Plastic tank	

Colored Yellow. Modified with camphor and tartrazine

Ethanol-d6 anhydrous
 • Etanolo anidro-d6 • Ethanol anhydre-d6 • Etanol anhidro-d6 • Ethanol-d6

Synonym:
 • Ethanol-d6
 • Ethyl alcohol-d6

C ₂ D ₆ OD Molecular Weight: 52,11 CAS: 1516-08-1 EEC-N: 216-162-2	Classification transport ONU: 1170 Transport Hazard class: 3 Packing group II	 Danger H225 P210-P241-P280-P303+P361+P353-P403+P235-P501a
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Ethanol-d6 anhydrous > RS - For NMR - min 99%

RS

Code	Size	Packaging	Notes
P5262A	2 x 1 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Ethanolamine
 • Etanolamina • Ethanolamine • Etanolamina • Ethanolamin

Synonym:
 2-Aminoethanol

NH ₂ CH ₂ CH ₂ OH Molecular Weight: 61,08 CAS: 141-43-5 EEC-N: 205-483-3	Classification transport ONU: 2491 Transport Hazard class: 8 Packing group III	  Danger H302-H312-H332-H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P362+P364
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Ethanolamine > RPE - For analysis



RPE

Description ..Clear colourless to pale yellow liquid Identification Positive Water miscibility.....Conform	Alcohol miscibility..... Complete Refractive index at 20°C. 1.4491 ÷ 1.4591 Boiling point..... 169.5 ÷ 170.5 °C Melting point..... 9.8 ÷ 10.8 °C	Chloride.....≤10 ppm Diethanolamine ≤0.5 % Heavy metals (Pb).....≤2 ppm Sulphate≤20 ppm	Triethanolamine..... ≤0.5 % Fe≤1 ppm Assay (alkalimetric)..... ≥99 %
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Code	Size	Packaging	Notes
447351	1 l	Glass bottle	
447352	30 kg	Aluminium can	

Hygroscopic product. Store well sealed in a dry place

Ethyl acetate
 • Etile acetato • Ethyle acétate • Etilo acetato • Ethylacetat

CH ₃ COOC ₂ H ₅ Molecular Weight: 88,11 CAS: 141-78-6 EEC-N: 205-500-4	Classification transport ONU: 1173 Transport Hazard class: 3 Packing group II	  Danger H225-H319-H336-HEU066 P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233
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Ethyl acetate > RS - For LC/MS

RS

Description Clear colourless liquid Colour ≤ 10 APHA Identification (I.R.)..... Positive Refractive index at 20°C..... 1.370 - 1.374 Water (K.F.)..... ≤ 200 ppm	Residue on evaporation≤ 2 ppm Acidity (acetic acid)..... ≤ 0.0030 % Alcalinity (NH ₃)..... ≤ 0.0005 % Assay (CPG) ≥ 99.95 % Transmittance	At 260 nm ≥ 75 % At 275 nm ≥ 97 % At 300 nm ≥ 98 % Metals compounds Al≤ 50 ppb	Fe≤ 50 ppb Na≤ 50 ppb Ca≤ 50 ppb Mg≤ 50 ppb K≤ 50 ppb
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Code	Size	Packaging	Notes
448383	1 l	Glass bottle	
448384	2.5 l	Glass bottle	

Ethyl acetate > RS - For HPLC - Isocratic Grade

RS

Description Clear colourless liquid Identification Positive Density at 20° C 0.898 ÷ 0.902 Refractive index at 20°C. 1.3699 ÷ 1.3739	Boiling point..... 76.9 ÷ 77.4 °C Water (K.F.)..... ≤300 ppm Residue on evaporation≤10 ppm Acidity or alkalinity.....≤0.0015 meq/g	Assay (GLC) ≥99.9 % U.V. Transmittance at 260 nm ≥76 % at 270 nm ≥94 %	at 300 nm ≥ 97 % Methyl alcohol..... ≤ 100 ppm Ethyl alcohol ≤ 400 ppm
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Code	Size	Packaging	Notes
412611000	1 l	Glass bottle	
412612000	2.5 l	Glass bottle	

Ethyl acetate > RS - For preparative HPLC - Reag.Ph.Eur.

RS

Description	Clear colourless liquid	Refractive index at 20°C. 1.3699 ÷ 1.3739	Residue on evaporation	≤ 5 ppm	at 265 nm	≥ 80 %
Identification	Positive	Boiling point..... 76.9 ÷ 77.4 ° C	Assay (GLC)	≥ 99.9 %	at 300 nm	≥ 95 %
Density at 20° C	0.901 ÷ 0.902	Water (K.F)	U.V. Transmittance			

Code	Size	Packaging	Notes
448211	2.5 l	Glass bottle	

Ethyl acetate > RS - For GC-MS

RS

Appearance	Clear colourless liquid	Colour	≤ 10 APHA	Methyl alcohol.....	≤ 100 ppm	(scanning area 30-600amu)
Refractive index at 20°C.....	1.370 - 1.374	Acidity (acetic acid).....	≤ 30 ppm	GC-MS.Individual peak (n-hexadecane).	≤ 2 µg/L	
Water (K.F).....	≤ 150 ppm	Assay (GC).....	≥ 99.9 %	Ret.range n-undecane to n-tetracontane		
Residue on evaporation	≤ 2 ppm	Ethyl alcohol	≤ 200 ppm			

Code	Size	Packaging	Notes
448342	1 l	Glass bottle	

Ethyl acetate > RS - ATRASOL - For traces analysis

RS

Appearance	Clear colourless liquid	Methanol	≤ 100 mg/Kg	Free acid (as CH ₃ COOH).....	≤ 30 mg/Kg	to decachlorobiphenyle
Refractive index at 20°C.....	1.370 - 1.374	Non volatile residue.....	≤ 2 mg/Kg	GC (FID) - NC Atrasol	Conform	GC-FID.Individual peak (n-hexadecane). ≤ 2 µg/L
Water content (K.F).....	≤ 150 mg/Kg	Ethanol	≤ 200 mg/Kg	GC-ECD.Individual peak (Lindane) .	≤ 2 ng/L	Ret.range n-undecane to n-tetracontane
Colour	≤ 10 Hazen	Assay (GC).....	≥ 99.9 %	Ret.range 1,2,4-trichlorobenzene		

Code	Size	Packaging	Notes
P0023216	1 l	Glass bottle	
P0023221	2.5 l	Glass bottle	

Ethyl acetate > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear liquid	Assay (GLC)	≥ 99.8 %	Free acid (as CH ₃ COOH).....	≤ 30 mg/kg
Identification	Positive	Water	≤ 0.03 %	GC-ECD (Lindane standard)	≤ 3 ng/l
Colour	≤ 10 hazen	Not volatile residue.....	≤ 2 mg/kg	GC-NPD (Ethylparathion standard)	≤ 3 ng/l

Code	Size	Packaging	Notes
448351	1 l	Glass bottle	
448352000	2.5 l	Glass bottle	

Ethyl acetate > RS - SPECTROSOL - For optical spectroscopy

RS

Description	Clear liquid	Boiling point.....	76.9 ÷ 77.4 ° C	Ethyl alcohol	≤ 100 ppm	at 260 nm	≥ 75 %
Colour (APHA)	≤ 10	Water (K.F)	≤ 100 ppm	Methyl alcohol.....	≤ 100 ppm	at 270 nm	≥ 95 %
Identification	Positive	Residue on evaporation	≤ 10 ppm	Assay (GLC)	≥ 99.8 %	at 280 nm	≥ 98 %
Density at 20° C	0.898 ÷ 0.902	Acidity	≤ 0.0005 meq/g	U.V. Transmittance			
Refractive index at 20°C.1.3699 ÷ 1.3739		Alcalinity.....	≤ 0.0002 meq/g	at 255 nm	≥ 15 %		

Code	Size	Packaging	Notes
448271	1 l	Glass bottle	
448272	2.5 l	Glass bottle	

Ethyl acetate > RS - Anhydrous - For analysis

RS

Refractive index at 20°C.....	1.37 - 1.374	Colour	≤ 10 Hazen	Methanol	≤ 100 mg/Kg	Methyl acetate	≤ 0.10 %
Water content (K.F).....	≤ 100 mg/Kg	Free acid (as CH ₃ COOH).....	≤ 30 mg/Kg	Ethanol.....	≤ 400 mg/Kg		
Non volatile residue.....	≤ 10 mg/Kg	Assay (GC).....	≥ 99.8 %	Density d20/4.....	0.898 - 0.902		

Code	Size	Packaging	Notes
P0021010	200 ml	Bottle with septum	
P0021016	1 l	Glass bottle	
P0021021	2.5 l	Glass bottle	
P00210T21	2.5 l	Glass bottle	On molecular sieves 4A, Water content < 20ppm

Ethyl acetate > RS - RSE - For electronic use

RS

Description	Clear liquid	Ag	≤0.02 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Al	≤0.05 ppm	Cu	≤0.01 ppm	Pb	≤0.02 ppm
Identification	Positive	As	≤0.01 ppm	Fe	≤0.02 ppm	Pt	≤0.05 ppm
Ready carbonizable substances.....	Conform	Au	≤0.05 ppm	Ga	≤0.02 ppm	Sb	≤0.01 ppm
Assay (GLC)	≥99.9 %	B	≤0.01 ppm	In	≤0.02 ppm	Sn	≤0.02 ppm
Resistivity	≥20 Mohm.cm	Ba	≤0.1 ppm	K	≤0.1 ppm	Sr	≤0.02 ppm
Density at 20° C	0.898 ÷ 0.902	Be	≤0.02 ppm	Li	≤0.02 ppm	Ti	≤0.05 ppm
Boiling point.....	76.6 ÷ 77.6 ° C	Bi	≤0.02 ppm	Mg	≤0.1 ppm	Tl	≤0.05 ppm
Water (K.F.)	≤500 ppm	Ca	≤0.2 ppm	Mn	≤0.01 ppm	V	≤0.05 ppm
Residue on evaporation	≤10 ppm	Cd	≤0.01 ppm	Mo	≤0.05 ppm	Zn	≤0.02 ppm
Acidity (acetic acid).....	≤50 ppm	Co	≤0.01 ppm	Na	≤0.2 ppm	Zr	≤0.05 ppm

Code	Size	Packaging	Notes
448307	1 l	Glass bottle	
448308	2.5 l	Glass bottle	
448306	5 l	Metal tank	

Ethyl acetate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear liquid	Refractive index at 20°C. 1.3699 ÷ 1.3739	Al	≤0.5 ppm	Fe	≤0.02 ppm
Colour (APHA)	≤10	Boiling point..... 76.9 ÷ 77.4 ° C	B	≤0.02 ppm	Mg	≤0.1 ppm
Identification (I.R.).....	Conform	Water (K.F.)..... ≤300 ppm	Ba	≤0.1 ppm	Mn	≤0.02 ppm
Alcohol miscibility.....	Complete	Residue on evaporation	Ca	≤0.5 ppm	Ni	≤0.02 ppm
Foreign esters	Conform	Acidity	Cd	≤0.05 ppm	Pb	≤0.02 ppm
Water solubility.....	Conform	Ethyl alcohol	Co	≤0.02 ppm	Sn	≤0.1 ppm
Substances darkened by sulphuric acid	Conform	Methyl alcohol..... ≤0.01 %	Cr	≤0.02 ppm	Zn	≤0.02 ppm
Density at 20° C	0.901 ÷ 0.902	Methyl acetate	Cu	≤0.02 ppm	Assay (GLC)	≥99.9 %

Code	Size	Packaging	Notes
448251	1 l	Glass bottle	
448256	2.5 l	Glass bottle	
448254	5 l	Plastic tank	
448252	10 l	Metal tank	
448258	10 l	Plastic tank	
448253	24 kg	Metal drum	
448255	180 kg	Metal drum	

Ethyl acetate > ERBAPharm - According to pharmacopoeia: NF

ERBAPharm

Description	Clear colourless liquid	Ready carbonizable substances..... Conform USP-NF	Organic volatile impurities Conform USP-NF	Water (K.F.)	≤0.1 %	
Identification	Positive	Methyl compounds..... Conform USP-NF	Density at 25° C	0.894 ÷ 0.898	Cromatographic purity	≥99.5 %
Acidity	Conform USP-NF		Residue on evaporation	≤0.02 %	Assay (saponification)	99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
341511	1 l	Glass bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethyl acetate > ERBAPharm - According to pharmacopoeia: DAB-NF-Ph.Eur.

ERBAPharm

Description	Clear colourless liquid	Refractive index at 20°C..... 1.370 ÷ 1.373	Readily carbonizable substances... Conform USP-NF	Ethyl alcohol	≤ 0.05 %
Colour	≤ 10 APHA	Boiling point..... 76 ÷ 78 °C	React. with ac. sulfuric..... Conform Ph.Eur.	Titolo (saponificazione).....	99.0 ÷ 100.5 %
Appearance	Conform Ph.Eur.	Acidity (acetic acid)..... ≤ 0.005 %	Methyl compounds..... Conform USP-NF	Assay (GLC)	≥ 99.9 %
Identification	Positive	Acidity	Organic volatile impurities Conform USP-NF	Origin (BSE/TSE).....	Synthesis
Density at 20°C	0.898 ÷ 0.902	Residue on evaporation	Related compounds..... ≤ 0.2 %	Residual solvents (Current ICH).....	Conform
Density at 25° C	0.894 ÷ 0.898	Water (K.F.)			

Code	Size	Packaging	Notes
341506	1 l	Glass bottle	
341503	2.5 l	Glass bottle	
341502	24 kg	Metal drum	
529221	25 l	Aluminium can	
529222	200 l	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethyl acetate > RE - Pure

RE

Description	Clear colourless liquid	Density at 20°C	0.898 ÷ 0.902	Acidity (acetic ac)	≤ 30 ppm	Assay (GLC)	≥ 99.8 %
Colour	≤ 10 APHA	Boiling point	76.0 ÷ 77.5 °C	Residue on evaporation	≤ 20 ppm	Ethyl alcohol	≤ 0.04 %
Identity (IR)	Positive	Refractive index at 20°C	1.3699 ÷ 1.3739	Water (K.F.)	≤ 500 ppm		

Code	Size	Packaging	Notes
508221	1 l	Glass bottle	
508222	2.5 l	Glass bottle	
528295	5 l	Plastic tank	
528299	10 l	Metal tank	
528294	25 l	Metal drum	
528296	25 l	Plastic tank	
528297	200 l	Metal drum	

**Ethyl acetoacetate**

• Etile acetoacetato • Ethyle acétoacétate • Etilo acetoacetato • Ethylacetoacetat

Synonym:

Acetoacetic ester

$\text{CH}_3\text{CH}_2\text{OCOCH}_2\text{COCH}_3$
 Molecular Weight: 130,14
 CAS: 141-97-9
 EEC-N: 205-516-1

**Warning**

H319

P264+P280i+P305+P351+P338-P337+P313

Ethyl acetoacetate > RE - Pure

RE

Description	Clear colourless liquid	Density at 20° C	1.021 ÷ 1.029	Boiling point	179 ÷ 181 ° C	Assay (GLC)	≥ 98 %
Identification	Positive	Refractive index at 20°C	1.415 ÷ 1.424	Water (K.F.)	≤ 0.1 %		

Code	Size	Packaging	Notes
341751	1 l	Glass bottle	

Ethyl alcohol absolute anhydrous ▶ Ethanol absolute anhydrous

Ethyl alcohol 96° ▶ Ethanol 96°

Ethyl alcohol 70% ▶ Ethanol 70% v/v

Ethyl alcohol 60% ▶ Ethanol 60% v/v

Ethyl alcohol 50% ▶ Ethanol 50% v/v

Ethyl alcohol absolute denaturated ▶ Ethanol absolute denaturated

Ethyl alcohol 95° denaturated ▶ Ethanol 95° denaturated

Ethyl alcohol 94° denaturated ▶ Ethanol 94° denaturated

Ethyl alcohol 90° denaturated ▶ Ethanol 90° denaturated

Ethyl alcohol 70° denaturated ▶ Ethanol 70° modified

Ethyl diisopropylamine ▶ N,N-Diisopropylethylamine

Ethylenediamine
 • Etilendiamina • Ethylènediamine • Etilendiamina • Ethylendiamin

Synonym:
 1,2-Diaminoethane

$\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2$
 Molecular Weight: 60,1
 CAS: 107-15-3
 EEC-N: 203-468-6

Classification transport
 ONU: 1604
 Transport Hazard class: 8
 Packing group II



Danger
 H226-H302-H311-H332-H314-H334-H317
 P210-P280-P284-P301+P330+P331-
 P303+P361+P353-P304+P340-P310a-
 P305+P351+P338-P361+P364-P342+P311a

Ethylenediamine > RS - RSE - For electronic use

RS

Description Clear liquid Freezing point $10.2 \div 10.8 \text{ }^\circ\text{C}$ Cu $\leq 50 \text{ ppb}$ Assay (GLC) $\geq 98.0 \%$
 Colour (APHA) ≤ 10 Residue on ignition $\leq 100 \text{ ppm}$ Fe $\leq 50 \text{ ppb}$
 Density at 20°C $0.890 \div 0.906 \text{ g/ml}$ Cr $\leq 50 \text{ ppb}$ Ni $\leq 50 \text{ ppb}$

Code	Size	Packaging	Notes
449451	180 kg	Plastic drum	

Ethylenediamine > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20°C $0.890 \div 0.906$ Melting point $10 \div 12 \text{ }^\circ\text{C}$ Fe $\leq 5 \text{ ppm}$
 Identification Positive Refractive index at 20°C : $1.4470 \div 1.4570$ Heavy metals (Pb) $\leq 5 \text{ ppm}$ Assay (GLC) $\geq 98 \%$
 Alcohol miscibility Complete Boiling point $115.8 \div 117.3 \text{ }^\circ\text{C}$ Residue on ignition $\leq 100 \text{ ppm}$

Code	Size	Packaging	Notes
449425	1 l	Glass bottle	
449426	5 l	Plastic tank	
449424	25 kg	Combined drum	

Ethylenediaminetetraacetic acid
 • Acido etilendiamminotetracetico • Acide ethylènediaminetétracétique • Acido etilendiaminotetracético
 • Ethylendiamintetraessigsäure

Synonym:
 • EDTA
 • (Ethylenedinitrilo)tetraacetic acid

$[\text{CH}_2\text{N}(\text{CH}_2\text{COOH})_2]_2$
 Molecular Weight: 292,24
 CAS: 60-00-4
 EEC-N: 200-449-4



Warning
 H319
 P264-P280i-P305+P351+P338-P337+P313

Ethylenediaminetetraacetic acid > RPE - For analysis

RPE

Description White powder Loss on drying $\leq 0.1 \%$ NH₄OH-Insoluble subst. $\leq 50 \text{ ppm}$ Cu $\leq 2 \text{ ppm}$
 Identification Positive Nitrotriacetic acid $\leq 0.15 \%$ Heavy metals (Pb) $\leq 5 \text{ ppm}$ Fe $\leq 5 \text{ ppm}$
 Chelation power Conform Chloride $\leq 40 \text{ ppm}$ Residue on ignition $\leq 0.1 \%$ Assay (complexometric) $\geq 99 \%$

Code	Size	Packaging	Notes
405465	250 g	Plastic bottle	
405463	1 kg	Plastic bottle	

Suitable for complexometry

Ethylenediaminetetraacetic acid > ERBApharm - According to pharmacopoeia: NF

ERBApharm

Description White powder Nitrotriacetic acid $\leq 0.3 \%$ Fe $\leq 50 \text{ ppm}$
 Identification Positive Residue on ignition $\leq 0.2 \%$ Assay (complexometric) $98.0 \div 100.5 \%$

Code	Size	Packaging	Notes
303251	5 kg	Plastic tank	
303252	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Ethylenediaminetetraacetic acid dipotassium salt dihydrate

- Acido etilendiamminotetraacetico sale bipotassico diidrato
- Acide éthylènediaminetétracétique sel dipotassique dihydraté
- Acido etilendiamminotetraacetico sal dipotasica dihidrato
- Ethylendiamintetraessigsäure-Dikaliumsalz-Dihydrat

Synonym:

- Dipotassium ethylenediaminetetraacetate dihydrate
- EDTA dipotassium salt

$C_{10}H_{14}N_2O_8K_2 \cdot 2H_2O$
Molecular Weight: 404,46
CAS: 25102-12-9

**Warning**

H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Ethylenediaminetetraacetic acid dipotassium salt dihydrate > RPE - For analysis**RPE**

Description White crystalline powder pH sol. 5% at 25° C 4.0 ÷ 5.0 Heavy metals (Pb) ≤10 ppm Assay (complexometric) ≥ 98.5 %
Identification Positive Chloride ≤50 ppm Fe ≤10 ppm

Code	Size	Packaging	Notes
405531	50 g	Glass bottle	

Suitable for complexometry**Ethylenediaminetetraacetic acid dipotassium salt dihydrate > RE - Pure****RE**

Description White granular powder Fe ≤ 0.001 % Sulphate ≤0.01 % Loss on drying 150° C 8.5 ÷ 9.5 %
Identification Positive Heavy metals (Pb) ≤ 0.0005 % Ca ≤ 0.0005 % Assay (complexometric) ≥ 99.0 %
pH sol. 5% in H₂O 4.0 ÷ 5.0 Chloride ≤ 0.0004 % Cu ≤ 0.0001 %
Water-insoluble matter ≤ 0.003 % Cyanide ≤ 0.001 % Nitrotriacetic acid ≤ 0.05 %

Code	Size	Packaging	Notes
405582	25 kg	Plastic bucket	

Suitable for complexometry**Ethylenediaminetetraacetic acid disodium salt**

- Acido etilendiamminotetraacetico sale bisodico
- Acide éthylènediaminetétracétique sel disodique
- Acido etilendiamminotetraacetico sal disódica
- Ethylendiamintetraessigsäure dinatriumsalz

Synonym:

- Disodium ethylenediaminetetraacetate dihydrate
- EDTA disodium salt

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Molecular Weight: 372,24
CAS: 6381-92-6
EEC-N: 205-358-3

**Warning**

H332-H373
P260-P271-P304+P340-P312a-P314-P501a

Ethylenediaminetetraacetic acid disodium salt > RPE - For analysis - ACS**RPE**

Description White powder pH sol. 5% at 25° C 4.0 ÷ 6.0 Water-insoluble matter ≤50 ppm Fe ≤100 ppm
Identification Positive Nitrotriacetic acid ≤0.1 % Heavy metals (Pb) ≤50 ppm Assay (complexometric) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
405494	100 g	Plastic bottle	
405491	250 g	Plastic bottle	
405497	1 kg	Plastic bottle	
405492	25 kg	Plastic bucket	

Suitable for complexometry**Ethylenediaminetetraacetic acid disodium salt > ERBapharm - According to pharmacopoeia: FU-Ph.Eur.****ERBapharm**

Description White powder pH sol. 5% at 25° C 4.0 ÷ 5.5 Assay (complexometric) 98.5 ÷ 101.0 % Impurity A ≤ 0.1 %
Identification Positive Heavy metals (Pb) ≤20 ppm Origin (BSE/TSE) Synthesis
Appearance of solution Conform Ph.Eur. Fe ≤80 ppm Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
303201	1 kg	Plastic bottle	
303203	5 kg	Plastic tank	
303202	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade


Ethylenediaminetetraacetic acid disodium salt > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP

ERBApharm

Description	White powder	Ca	Conform USP-NF	Ac. nitrilotriacetic (Impurezza A) ...	≤ 0.1 %	Assay (complexometric) 99.0 ÷ 101.0 % s.s.
Identification	Positive	pH sol. 5% at 25° C	4.0 ÷ 5.5	Heavy metals (Pb)	≤ 20 ppm	Origin (BSE/TSE)
Appearance of solution	Conform Ph.Eur.	Loss on drying	8.7 ÷ 11.4 %	Fe	≤ 80 ppm	Residual solvents (Current ICH)
						Conform

Code	Size	Packaging	Notes
303227	1 kg	Plastic bottle	
303226	5 kg	Plastic tank	
303225	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)

- Acido etilendiamminotetracetico sale bisodico 0.1 mol/l (0.2N) • Acide éthylènediaminotétracétique sel disodique 0.1 mol/l (0.2N) • Acido etilendiaminotetracético sal disódica 0.1 mol/l (0.2N) • Ethylenediamintetraessigsäure dinatriumsalz 0.1 mol/l (0.2N)
- Synonym:
• Disodium ethylenediaminetetraacetate dihydrate
• EDTA disodium salt

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ HEU210
 Molecular Weight: 372.24
 CAS: 6381-92-6

Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613005901	500 ml	Plastic bottle	Ref Ph.Eur 3005900
613005900	1 l	Plastic bottle	Ref Ph.Eur 3005900

Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N) > RPE - For analysis

RPE

Description	Clear colourless liquid	NIST 682	Assay (colorimetry)	0.1996 - 0.2004 N
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Code	Size	Packaging	Notes
405511000	1 l	Plastic bottle	Certified with NIST traceability
405513000	5 l	Kubidos	Certified with NIST traceability
405514000	5 l	Plastic tank	Certified with NIST traceability
405512000	10 l	Kubidos	Certified with NIST traceability

37.22 g of EDTA disodium salt. Volumetric solution ready-to-use

Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N) > RPE - NORMEX - For analysis

RPE

Description	Clear colourless liquid	Identification	Conform	Titration factor	1.000 ± 0.005
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Code	Size	Packaging	Notes
405421		Plastic ampoule	Volume: 165 ml

Volumetric concentrated solution to prepare 1 L of solution 0,1 M

Ethylenediaminetetraacetic acid disodium salt 0.05 mol/l (0.1N)



- Acido etilendiamminotetraacetico sale bisodico 0.05 mol/l (0.1N)
- Acide éthylènediaminotétracétique sel disodique 0.05 mol/l (0.1N)
- Acido etilendiamminotetraacético sal disódica 0.05 mol/l (0.1N)
- Ethylendiamintetraessigsäure dinatriumsalz 0.05 mol/l (0.1N)

Synonym:

- Disodium ethylenediaminetetraacetate dihydrate
- EDTA disodium salt

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Molecular Weight: 372,24
CAS: 6381-92-6

HEU210

Ethylenediaminetetraacetic acid disodium salt 0.05 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (colorimetry) 0.0998 - 0.1002 N NIST 682

Code	Size	Packaging	Notes
405501000	1 l	Plastic bottle	Certified with NIST traceability
405502000	5 l	Plastic tank	Certified with NIST traceability

18.61 g of EDTA disodium salt. Volumetric solution ready-to-use

Ethylenediaminetetraacetic acid disodium salt 0.01 mol/l (0.02N)



- Acido etilendiamminotetraacetico sale bisodico 0.01 mol/l (0.02N)
- Acide éthylènediaminotétracétique sel disodique 0.01 mol/l (0.02N)
- Acido etilendiamminotetraacético sal disódica 0.01 mol/l (0.02N)
- Ethylendiamintetraessigsäure dinatriumsalz 0.01 mol/l (0.02N)

Synonym:

- Disodium ethylenediaminetetraacetate dihydrate
- EDTA disodium salt

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Molecular Weight: 372,24
CAS: 6381-92-6

HEU210

Ethylenediaminetetraacetic acid disodium salt 0.01 mol/l (0.02N) > RPE - For analysis

RPE

Description Clear colourless liquid NIST 682 Assay (colorimetry) 0.01996 - 0.02004 N

Code	Size	Packaging	Notes
405442000	1 l	Plastic bottle	Certified with NIST traceability
405443000	5 l	Kubidos	Certified with NIST traceability

3.722 g of EDTA disodium salt. Volumetric solution ready-to-use

Ethylenediaminetetraacetic acid disodium salt 0.01 mol/l (0.02N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
405431		Plastic ampoule	Volume: 55 ml

3,3621 g EDTA. Volumetric concentrated solution to prepare 1 L of solution 0,01 M

Ethylenediaminetetraacetic acid potassium and magnesium salt dihydrate



- Acido etilendiamminotetraacetico sale di potassio e magnesio diidrato
- Acide éthylènediaminotétracétique sel de potassium et de magnésium dihydraté
- Acido etilendiamminotetraacético sal dipotasica-magnésica dihidrato
- Ethylendiamintetraessigsäure-Kaliumsalz und Magnesiumdihydrat

Synonym:

- EDTA-K2Mg
- Ethylenediaminetetraacetic acid dipotassium magnesium salt

$C_{10}H_{12}K_2MgN_2O_8 \cdot 2H_2O$
Molecular Weight: 462,8
CAS: 15708-48-2
EEC-N: 239-803-8



Warning

H302-H312-H332

P261-P264-P271-P280h-P301+P312a-P304+P340

Ethylenediaminetetraacetic acid potassium and magnesium salt dihydrate > RPE - For analysis

RPE

Description White powder Heavy metals (as Pb) ≤ 10 ppm Free magnesium ≤ 0.01 % Water (K.F) 7.5 - 9.5 %
Identification (I.R.) Conform Fe ≤ 10 ppm Free EDTA ≤ 0.05 % Assay (complexometry) ≥ 98 % s.s

Code	Size	Packaging	Notes
405541	100 g	Plastic bottle	

Suitable for complexometry

Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate

Synonym:

- EDTA tetrasodium salt
- Tetrasodium ethylenediaminetetraacetate tetrahydrate

Warning
H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Chemical Information:
 $[\text{CH}_2\text{N}(\text{CH}_2\text{COONa})_2]_2 \cdot 4\text{H}_2\text{O}$
 Molecular Weight: 452,24
 CAS: 13235-36-4
 EEC-N: 200-573-9

Ethylenediaminetetraacetic acid tetrasodium salt tetrahydrate > RPE - For analysis

RPE

Description White crystalline powder pH sol. 1% 10.0 ÷ 12.0 Assay (complexometric) ≥ 98.5 % (s.s.)
 Identification Positive Water (K.F.) 15.0 - 17.0 %

Code	Size	Packaging	Notes
405482	250 g	Plastic bottle	
405486	25 kg	Fibreboard box	

Suitable for complexometry

Ethylenediaminetetraacetic acid tripotassic salt

Synonym:

- EDTA Tripotassium salt | Tripotassium ethylenediaminetetraacetate hydrate

Chemical Information:
 $\text{C}_{10}\text{H}_{13}\text{K}_3\text{N}_2\text{O}_8 \cdot 2\text{H}_2\text{O}$
 Molecular Weight: 442,57
 CAS: 65501-24-8

Ethylenediaminetetraacetic acid tripotassic salt > RE - Pure

RE

Code	Size	Packaging	Notes
405424	25 kg	Fibre drum	

Ethylene dichloride ▶ 1,2-Dichloroethane

Ethylene glycol

Synonym:

- 1,2-Ethanediol

Warning
H302-H373
P260-P264-P301+P312a-P330-P314-P501a

Chemical Information:
 $\text{CH}_2\text{OHCH}_2\text{OH}$
 Molecular Weight: 62,07
 CAS: 107-21-1
 EEC-N: 203-473-3

Ethylene glycol > RPE - For analysis

RPE

Description Clear colourless liquid Reac. with Ammonium hydr Conform Water (K.F.) ≤ 0.1 % Peroxides (H2O2) ≤ 5 ppm
 Identification Positive Sub reducing AgNO3 amm Conform Acidity (acetic acid) ≤ 3 ppm Residue on ignition ≤ 50 ppm
 Water miscibility Conform Density at 20 °C 1.108 ÷ 1.118 Chloride ≤ 2 ppm Sulphate ≤ 20 ppm
 Miscb. with Acetone Complete Refractive index at 20°C. 1.4274 ÷ 1.4354 Carbonyl Compounds (CO) ≤ 100 ppm Fe ≤ 1 ppm
 Alcohol miscibility Complete Boiling point 194 ÷ 200 °C Heavy metals (Pb) ≤ 2 ppm Assay (GLC) ≥ 99.5 %

Code	Size	Packaging	Notes
453905	1 l	Glass bottle	
453904	2.5 l	Glass bottle	
453906	5 l	Plastic tank	
453902	30 kg	Plastic drum	

Ethylene glycol > RE - Pure**RE**

Description Clear colourless liquid
 Identification Positive
 Density at 20° C 1.108 ÷ 1.118
 Refractive index at 20°C. 1.4264 ÷ 1.4364
 Boiling point 194 - 200 ° C
 Water (K.F.) ≤0.3 %
 Residue on ignition ≤100 ppm
 Assay (GLC) ≥98 %

Code	Size	Packaging	Notes
346501	1 l	Glass bottle	
346503	2.5 l	Glass bottle	
346502	5 l	Plastic tank	
346504	25 l	Plastic tank	
346509	60 kg	Plastic tank	
346508	230 kg	Metal drum	

Ethylene glycol bis(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid

- Acido etilenglicole bis-(2-aminoetilere) tetracetico
- Acide éthylèneglycol bis-(2-aminoéthylether) tétracétique (EGTA)
- Acido etilenglicol-bis (2-aminoetil-éter) tetracético
- Ethylenglykol-bis-(2-aminoethyl)-n,n,n',n'-tetraessigsäure

Synonym:
EGTA

$C_{14}H_{24}N_2O_{10}$
 Molecular Weight: 380,35
 CAS: 67-42-5
 EEC-N: 200-651-2

Ethylene glycol bis(2-aminoethyl ether)-n,n,n',n'-tetraacetic acid > RPE - For analysis**RPE**

Description White cryst. powder
 Identification Positive
 Loss on drying ≤1 %
 Residue on ignition ≤0.1 %
 Assay (complexometric) ≥97 %

Code	Size	Packaging	Notes
405521	10 g	Glass bottle	
405522	100 g	Plastic bottle	

Suitable for complexometry

Ethylene glycol butyl ether ▶ 2-Butoxy ethanol

Ethylene glycol dimethyl ether ▶ 1,2-Dimethoxyethane

Ethylene glycol monomethyl ether ▶ 2-Methoxy ethanol

**Ethylene oxide solution**

- Soluzione ossido di etilene • Oxyde d'éthylène solution • Etileno óxido solución • Ethylenoxidlösung

Ethylene oxide solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611036408	1 ml	Glass ampoule	Ethylene oxide solution R2 Ref Ph.Eur 1036408
611036401	10 ml	Glass ampoule	Ethylene oxide stock solution Ref Ph.Eur 1036401

Ethyl ether ▶ Diethyl ether

Ethyl formate
 • Etile formiato • Ethyle formiate • Etilo formiato • Ethylformiat
 Synonym: Formic acid ethyl ester

$C_3H_6O_2$
 Molecular Weight: 74,08
 CAS: 109-94-4
 EEC-N: 203-721-0

Classification transport
 ONU: 1190
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H302-H332-H319-H335
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Ethyl formate > RE - Pure

RE

Description Clear liquid
 Identification Positive
 Density at 20° C 0.907 ÷ 0.927
 Refractive index at 20°C. 1.3547 ÷ 1.3647
 Assay (GLC) ≥ 98.0 %
 Colour (APHA) ≤ 20
 Boiling point 53.3 ÷ 55.3 °C
 Acidity ≤ 0.002 meq/g

Code	Size	Packaging	Notes
342101	1 l	Glass bottle	

Ethyl methyl ketone
 • Metiletilchetone • Méthyléthylcétone • Metiletilcetona • Ethylmethylketon
 Synonym: 2-Butanone, MEK

$CH_3CH_2COCH_3$
 Molecular Weight: 72,11
 CAS: 78-93-3
 EEC-N: 201-159-0

Classification transport
 ONU: 1193
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H319-H336-HEU066
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Ethyl methyl ketone > RS - Anhydrous - For analysis

RS

Refractive index at 20°C 1.377 - 1.381
 Water content (K.F.) ≤ 200 mg/Kg
 Non volatile residue ≤ 10 mg/Kg
 Colour ≤ 10 Hazen
 Assay (GC) ≥ 99.5 %
 Free acid (as CH3COOH) ≤ 30 mg/Kg

Code	Size	Packaging	Notes
P0201016	1 l	Glass bottle	

Ethyl methyl ketone > RPE - For analysis - Reag. Ph. Eur.

RPE

Description Clear colourless liquid
 Identification (I.R.) Positive
 Colour ≤ 10 APHA
 Alcohol miscibility Complete
 Diethyl ether miscib. Complete
 Water solubility Conform
 Density at 20° C 0.802 ÷ 0.808
 Refractive index at 20°C. 1.3784 ÷ 1.3834
 Boiling point 79 ÷ 80 °C
 Water (K.F.) ≤ 500 ppm
 Residue on evaporation ≤ 10 ppm
 Acidity (acetic acid) ≤ 30 ppm
 Aldehydes(Formaldehyde) ≤ 20 ppm
 Heavy metals (Pb) ≤ 1 ppm
 Subst. reducing KMnO4 ≤ 2 ppm(15m)
 Al ≤ 0.5 ppm
 Ba ≤ 0.1 ppm
 Ca ≤ 0.5 ppm
 Cd ≤ 0.05 ppm
 Co ≤ 0.02 ppm
 Cr ≤ 0.02 ppm
 Cu ≤ 0.02 ppm
 Fe ≤ 0.1 ppm
 Mg ≤ 0.1 ppm
 Mn ≤ 0.02 ppm
 Ni ≤ 0.02 ppm
 Pb ≤ 0.1 ppm
 Sn ≤ 0.1 ppm
 Zn ≤ 0.1 ppm
 Assay (GLC) ≥ 99.5 %

Code	Size	Packaging	Notes
462701	1 l	Glass bottle	
462703	2.5 l	Glass bottle	
462704	10 l	Plastic tank	
462702	22 kg	Metal drum	

Ethyl methyl ketone > RE - Pure

RE

Description Clear colourless liquid
 Identification Positive
 Colour ≤ 10 APHA
 Density at 20° C 0.800 ÷ 0.810
 Refractive index at 20°C. 1.3784 ÷ 1.3844
 Boiling point 79 ÷ 80 °C
 Water (K.F.) ≤ 0.1 %
 Residue on evaporation ≤ 20 ppm
 Acidity (acetic acid) ≤ 30 ppm
 Total alcohol ≤ 0.5 %
 Assay (GLC) ≥ 99.5 %

Code	Size	Packaging	Notes
354254	1 l	Glass bottle	
354253	2.5 l	Glass bottle	
528975	5 l	Plastic tank	
354251	22 kg	Metal drum	
528976	25 l	Metal drum	
528977	200 l	Metal drum	

**Eugenol**

• Eugenolo • Eugenol • Eugenol • Eugenol

Synonym:

- 2-Methoxy-4-(2-propenyl)phenol
- 4-Allyl-2-methoxyphenol

C₁₀H₁₂O₂
 Molecular Weight: 164,21
 CAS: 97-53-0
 EEC-N: 202-589-1

**Warning**

H302-H317

P261-P264-P280g-P301+P312a-P333+P313-P501a

Eugenol > RPE - For analysis**RPE**

Description Yellow clear liquid Density at 20° C 1.05 ÷ 1.07 Assay (GLC) ≥ 96 %
 Identification Positive Refractive index at 20°C 1.53 ÷ 1.54

Code	Size	Packaging	Notes
449773	100 ml	Glass bottle	

**Eukitt**

• Eukitt • EUKITT • Eukitt • EUKITT

Classification transport

ONU: 1307
 Transport Hazard class: 3
 Packing group III

**Danger**

H226-H315-H319-H335-H304

P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Eukitt > RS - For microscopy**RS**

Description Viscous liquid Identification Positive

Code	Size	Packaging	Notes
554194	100 ml	Aluminium bottle	
554193	250 ml	Aluminium bottle	
554192	500 ml	Aluminium bottle	

Balm rapid inclusion**Europium standard solution**

• Europio standard soluzione • Europium solution standard • Europio, solución patrón • Europium-Standardlösung

Classification transport

ONU: 3264
 Transport Hazard class: 8
 Packing group III

**Europium standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505602	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505605	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Europium standard solution > RS - Standard solution for ICP**RS**

Code	Size	Packaging	Notes
503571	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503575	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503573	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503577	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Europium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507736	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507502	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Fast green FCF**

• Verde solido FCF • Vert solide FCF • Verde sólido FCF • Schneller grüner FCF

Synonym:
Food green 3

$C_{37}H_{34}N_2Na_2O_{10}S_3$
Molecular Weight: 808,86
CAS: 2353-45-9
EEC-N: 219-091-5

**Warning**

H302-H312-H332-H351
P261-P271-P280-P304+P340-P308+P313-P330

Fast green FCF > RS - For microscopy - C.I. 42053

RS

Description Red brown powder Identification Positive

Code	Size	Packaging	Notes
491391	25 g	Glass bottle	

Dye for histology**Fehling's A reagent**

• Fehling reattivo soluzione A • Réactif de Fehling solution A • Fehling reactivo solución A • Fehling-Reagenzlösung A

Classification transport

ONU: 3082
Transport Hazard class: 9
Packing group III

**Danger**

H318-H410
P273-P280i-P305+P351+P338-P310a-P391-P501a

Fehling's A reagent > RS - For glucose detection

RS

CuSO₄.5H₂O content 69.16 - 69.43 g/l Description Clear blue liquid Density at 20° C 1.037 - 1.043 [CuSO₄.5H₂O] 69.12 - 69.40 g/l

Code	Size	Packaging	Notes
449926	500 ml	Plastic bottle	
449927	1 l	Plastic bottle	
PS0492/41	10 l	Plastic tank	

Composition: Copper sulfate and benzoic acid**Fehling's B reagent**

• Fehling reattivo soluzione B • Réactif de Fehling solution B • Fehling reactivo solución B • Fehling-Reagenzlösung B

Classification transport

ONU: 1824
Transport Hazard class: 8
Packing group II

**Danger**

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Fehling's B reagent > RS - For glucose detection

RS

Concentration 345.3 - 346.7 g/l Description Clear colourless liquid Density at 20° C 1.259 - 1.265 Alkalinity (NaOH) 119 - 121 0/00

Code	Size	Packaging	Notes
E449936	500 ml	Plastic bottle	
E449937	1 l	Plastic bottle	
PS0493/41	10 l	Plastic tank	

Composition: Potassium sodium tartrate and sodium hydroxide**Ferricyanide standard solution**

• Ferricianuro standard soluzione • Ferricyanures standard solution • Ferricianuro, solución patrón • Ferricyanid-Standardlösung

Ferricyanide standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001300	100 ml	Plastic bottle	A 50 ppm solution: to dilute according to Ph.Eur 5001300



Ferrocyanide standard solution

• Ferrocianuro standard soluzione • Ferrocyanures standard solution • Ferrocianuro, solución patrón • Ferrocyanid-Standardlösung

Ferrocyanide standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001209	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ph.Eur 5001200



Ferroun 0.025 mol/l solution

• Ferroina 0.025 mol/l soluzione • Indicateur Ferroïne 0.025 mol/l • Ferroína solución 0.025 mol/l
• Indikator Ferroun 0.025 mol/l

Synonym:

- 1,10-Phenanthroline iron(II) sulfate complex
- o-Phenanthroline ferrous sulfate complex

$[\text{Fe}(\text{C}_{12}\text{H}_8\text{N}_2)_3]\text{SO}_4$
Molecular Weight: 692,52
CAS: 14634-91-4

H412
P273-P501a

Ferroun 0.025 mol/l solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611038100	100 ml	Plastic bottle	Ref Ph.Eur 1038100

Ferroun 0.025 mol/l solution > RS - For environmental analysis (COD determination)

RS

Description Dark red liquid

Code	Size	Packaging	Notes
526751	100 ml	Bottle	



Ferron

• Ferron • Ferron • Ferron • Ferron

$\text{IC}_6\text{H}(\text{OH})\text{SO}_3\text{HN}:\text{CHCH}:\text{CH}$
Molecular Weight: 351,12
CAS: 547-91-1
EEC-N: 208-938-4

Classification transport
ONU: 2585
Transport Hazard class: 8
Packing group III



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Ferron > RPE - For analysis

RPE

Description Yellow crystalline powder
Identification Positive
Loss on drying ≤0.5 %
Heavy metals (Pb) ≤20 ppm
Residue on ignition ≤0.1 %
Iron sensitivity ≥5 µg/ml
Fe ≤20 ppm

Code	Size	Packaging	Notes
406918	5 g	Glass bottle	

For extraction and spectrophotometric determination of Mo (VI), Pd (II), U (VI), V (III)



Fixative AFA liquid

• Liquido fissatore AFA • Liquide fixateur AFA • Líquido fijador AFA • AFA-Fixiererflüssigkeit

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H317-H350-HA26
P210-P241-P261-P280-P303+P361+P353-
P305+P351+P338

Fixative AFA liquid > RS - For histology

RS

Description Clear liquid

Code	Size	Packaging	Notes
508840	480 x 30 ml	Plastic bottle	60 ml jars filled at 30 ml. Box of 500
526267	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
526263001	5 l	Plastic tank	In Vitro Diagnostic Medical Device

Contains Ethanol, formaldehyde and acetic acid



Fixative Bouin Hollande liquid

• Liquido fissatore di Bouin Hollande • Liquide de Bouin Hollande • Líquido fijador de Bouin Holland • Alkohol Bouin Holland



Danger

H317-H350-HA26
P261-P280-P308+P313-P362+P364-P333+P313-P501a

Fixative Bouin Hollande liquid > RS - For histology

RS

Appearance Clear liquid

Code	Size	Packaging	Notes
526268	1 l	Plastic bottle	



Fixative Bouin liquid

• Liquido fissatore di Bouin • Liquide de Bouin • Líquido fijador de Bouin • Bouins Pikroformol Wasserlich



Danger

H315-H319-H317-H341-H350-H335-HA26
P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Fixative Bouin liquid > RS - For histology

RS

Appearance Yellow liquid

Code	Size	Packaging	Notes
526270	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
526261	5 l	Plastic tank	In Vitro Diagnostic Medical Device
526311	25 l	Plastic tank	In Vitro Diagnostic Medical Device

Contains formaldehyde, acetic acid and 2.4.6-trinitrophenol

Fixative Bouin liquid > RS - For hematology

RS

Description Yellow clear liquid Identification Positive

Code	Size	Packaging	Notes
429751	1 l	Plastic bottle	In Vitro Diagnostic Medical Device



Fixative Davidson liquid

• Liquido fissatore di Davidson • Liquide fixateur de Davidson • Líquido fijador de Davidson • Davidson Fixiererflüssigkeit

Classification transport

ONU: 2924
Transport Hazard class: 3
Packing group II



Danger

H225-H312-H332-H314-H317-H341-H350-H335-HA26
P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P362+P364-P403+P233

Fixative Davidson liquid > RS - For histology

RS

Description Clear colourless liquid

Code	Size	Packaging	Notes
508881	30 ml	Plastic bottle	60 ml jars filled at 30 ml. Box of 500
526277	5 l	Plastic tank	

Fixative FIXALL-HIS liquid
 • Liquido fissatore FIXALL-HIS • Liquide fixateur FIXALL-HIS • Líquido fijador FIXALL-HIS • Fixierflüssigkeit FIXALL-HIS

Classification transport ONU: 1170 Transport Hazard class: 3 Packing group II	 	Danger H225-H319 P210-P241-P280-P303+P361+P353- P305+P351+P338-P337+P313
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Fixative FIXALL-HIS liquid > RS - For histology RS

Code	Size	Packaging	Notes
526274	5 l	Plastic tank	

Formaldehyde substitute. Ready-to-use solution

Fixative liquid without acetic acid
 • Liquido fissatore senza acido acetico • Liquide fixateur sans acide acétique • Líquido fijador sin acido acético • Fixierflüssigkeit ohne Essigsäure

Classification transport ONU: 1993 Transport Hazard class: 3 Packing group III	  	Danger H226-H312-H332-H315-H319-H317-H341-H350- H335-HA26 P210-P280-P303+P361+P353-P304+P340- P305+P351+P338-P403+P233
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Fixative liquid without acetic acid > RS - For histology RS

Description Clear colourless liquid

Code	Size	Packaging	Notes
526264	10 l	Plastic tank	

Florisol 60-100 mesh Synonym:
Magnesium silicate
 • Florisol 60-100 mesh • Florisol 60-100 mesh • Florisol 60-100 mesh • Florisol 60-100 mesh

MgO ₃ Si Molecular Weight: 100,39 CAS: 1343-88-0 EEC-N: 215-681-1	
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Florisol 60-100 mesh > RS - Adsorbent for chromatography RS

Description White powder Identification Positive

Code	Size	Packaging	Notes
452331	100 g	Plastic bottle	
452333	500 g	Plastic bottle	
452332	1 kg	Plastic bottle	

Florisol 60-100 mesh > RS - For residual pesticides analysis RS

Description White powder Granulometry 70 mesh.....ca 20.0 % 100 mesh.....ca 30.0 %
 Identification Positive 60 mesh.....ca 2.0 % 80 mesh.....ca 41.0 % 140 mesh.....ca 6.9 %

Code	Size	Packaging	Notes
452271	100 g	Plastic bottle	
452273	500 g	Plastic bottle	

**Florisil 100-200 mesh**

• Florisil 100-200 mesh • Florisil 100-200 mesh • Florisil 100-200 mesh • Florisil 100-200 mesh

Synonym:
*Magnesium silicate*MgO₃Si
Molecular Weight: 100,39
CAS: 1343-88-0
EEC-N: 215-681-1**Florisil 100-200 mesh > RS - Adsorbent for chromatography**

RS

Description White powder Identification Positive

Code	Size	Packaging	Notes
452351	100 g	Plastic bottle	
452353	500 g	Plastic bottle	

**Fluorescein**

• Fluoresceina • Fluorescéine • Fluoresceína • Fluorescein

Synonym:
*Acid Yellow 73*C₂₀H₁₂O₅
Molecular Weight: 332,32
CAS: 2321-07-5
EEC-N: 219-031-8**Warning**H319
P264-P280i-P305+P351+P338-P337+P313**Fluorescein > RPE - For analysis**

RPE

Description Red brown powder Identification Positive

Code	Size	Packaging	Notes
452086	25 g	Glass bottle	
452083	50 g	Glass bottle	
452087	500 g	Plastic bottle	

**Fluorescein sodium salt**

• Fluoresceina sodica • Fluorescéine sodique • Fluoresceína sódica • Fluorescein Natriumsalz

Synonym:
• *Acid Yellow 73*
• *Uranine*C₂₀H₁₀Na₂O₅
Molecular Weight: 376,28
CAS: 518-47-8
EEC-N: 208-253-0**Fluorescein sodium salt > RPE - For analysis - C.I. 45350**

RPE

Description Red brick powder Identification Positive Absorbion ind.sensit. Conform Loss on drying ≤10 %

Code	Size	Packaging	Notes
452112	25 g	Glass bottle	
452113	50 g	Plastic bottle	
452117	1 kg	Plastic bottle	

Fluorescein sodium salt > RE - Pure - C.I. 45350

RE

Description Red brick powder Identification Positive

Code	Size	Packaging	Notes
345356	25 g	Glass bottle	
345357	1 kg	Plastic bottle	
345355	5 kg	Plastic tank	



Fluoride standard solution

• Fluoruri standard soluzione • Fluorure solution standard • Fluoruro, solución patrón • Fluorid-Standardlösung

Fluoride standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001401	100 ml	Plastic bottle	A 1 ppm solution: to dilute according to Ref Ph.Eur 5001401
615001409	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001400

Fluoride standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503251	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503253	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Fluorite ► Calcium fluoride



Folin-Ciocalteu's reagent

• Folin-Ciocalteu reattivo • Réactif de Folin-Ciocalteu • Folin-Ciocalteu reactivo • Folin-Ciocalteu-Reagenz

Classification transport

ONU: 3264
Transport Hazard class: LQ



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Folin-Ciocalteu's reagent > RS - For microscopy

RS

Description Yellow clear liquid Identification Positive Sensibilità ai fenoli (A a 650nm) ≥ 0.26 Titolo (equiv. di acido) 1.9 ÷ 2.1 N

Code	Size	Packaging	Notes
E463562	500 ml	Glass bottle	

For the determination of phenols. Store at +4 °C



Formaldehyde 37% w/v

• Aldeide formica 37% m/v • Aldéhyde formique 37% m/v • Formaldehído 37% p/v • Formaldehyd 37% w/v

Synonym:
Formalin

HCHO
Molecular Weight: 30,03
CAS: 50-00-0

Classification transport

ONU: 2209
Transport Hazard class: 8
Packing group III



Danger

H301-H311-H331-H314-H317-H341-H350-H370-
H335-HA26
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338-P403+P233

Formaldehyde 37% w/v > RPE - For analysis

RPE

Description Clear liquid Density at 20°C 1.085 ÷ 1.092 Heavy metals (Pb) ≤2 ppm Fe ≤1 ppm
Colour (APHA) ≤10 Acidity (formic acid) ≤350 ppm Residue on ignition ≤500 ppm Pb ≤1 ppm
Identification Positive Chloride ≤5 ppm Sulphate ≤20 ppm Assay (oxidimetric) ≥37 % (m/v)

Code	Size	Packaging	Notes
415661	1 l	Plastic bottle	
415666	2.5 l	Plastic bottle	
415667	5 l	Plastic bottle	
415669	30 kg	Plastic drum	
415662	55 kg	Plastic tank	

Stabilized with ~10% of methanol

**Formaldehyde 37% w/v neutralized**

- Aldeide formica 37% p/v neutralizzata • Aldéhyde formique 37% m/v neutre
- Formaldehido 37% p/v neutralizata • Formaldehyd 37% m / v neutral

Synonym:
Formalin

HCHO
Molecular Weight: 30,03
CAS: 50-00-0

Classification transport
ONU: 2209
Transport Hazard class: 8
Packing group III

**Danger**

H301-H311-H331-H314-H317-H341-H350-H370-
H335-HA26
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338-P403+P233

Formaldehyde 37% w/v neutralized > RS - For histology**RS**

Description Clear liquid Colour (APHA) ≤ 10 Identification Positive Assay (oxidimetric) ≥ 37 % (m/v)

Code	Size	Packaging	Notes
415686	1 l	Plastic bottle	
415682	5 l	Plastic bottle	
415683	10 kg	Plastic tank	
415684	30 kg	Plastic drum	
415685	55 kg	Plastic tank	

Stabilized with ~10% of methanol. Neutralized with dolomite

**Formaldehyde 35% w/w**

- Aldeide formica 35% m/m • Aldéhyde formique 35% m/m • Formaldehyde 35% p/p
- Formaldehyd 35% m/m

Synonym:
Formalin

HCHO
Molecular Weight: 30,03
CAS: 50-00-0

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group III

**Danger**

H302-H311-H331-H314-H317-H341-H350-H335-
HA26
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P308+P313-
P361+P364-P403+P233

Formaldehyde 35% w/w > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**


Code	Size	Packaging	Notes
611039101	100 ml	Plastic bottle	Ref Ph.Eur 1039101

Formaldehyde 35% w/w > ERBApharm - According to pharmacopoeia: BP-FU-Ph.Eur.**ERBApharm**

Description Clear colourless liquid Appearance of solution Conform Ph.Eur. Sulphated ash ≤ 0.1 % Assay (iodometric) 34.5 ÷ 38.0 % m/m
Identification Positive Acidity Conform Ph.Eur. Methyl alcohol 9.0 ÷ 15.0 % v/v Origin (BSE/TSE) Synthesis

Code	Size	Packaging	Notes
310351	1 l	Plastic bottle	
310356	2.5 l	Plastic bottle	
310358	5 l	Plastic bottle	
310349	10 kg	Plastic tank	
310348	30 kg	Plastic drum	
310355	55 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Formaldehyde 30% w/v	Synonym: <i>Formalin</i>
	<ul style="list-style-type: none"> • Aldeide formica 30 % m/v • Aldéhyde formique 30% m/v • Formaldehído 30% p/v • Formaldehyd 30% m/v 	
<p>HCHO Molecular Weight: 30,03 CAS: 50-00-0</p>	<p>Classification transport ONU: 2209 Transport Hazard class: 8 Packing group III</p>	<p>Danger H302-H311-H331-H314-H317-H341-H350-H371-H335-HA26 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P361+P364-P403+P233</p>

Formaldehyde 30% w/v > RE - Pure

RE

Description Clear colourless liquid Density at 20°C 1.075 ÷ 1.100 Assay 27.5 ÷ 32.5 % (m/v)

Code	Size	Packaging	Notes
524930	5 l	Plastic tank	

Stabilized with ~10% of methanol

	Formaldehyde 10% v/v according to Lillie	Synonym: <i>Formalin</i>
	<ul style="list-style-type: none"> • Aldeide formica 10% v/v (Liquido di Lillie) • Aldéhyde formique 10% v/v selon Lillie • Formaldehído 10% v/v según Lillie • Formaldehyd 10% v/v Lillie 	
<p>HCHO Molecular Weight: 30,03 CAS: 50-00-0</p>		<p>Danger H317-H341-H350-HA26 P261-P280-P308+P313-P362+P364-P333+P313-P501a</p>


Formaldehyde 10% v/v according to Lillie > RS - For histology

RS

Description Clear colourless liquid pH at 20°C 6.8 ÷ 7.0

Code	Size	Packaging	Notes
526912	5 l	Plastic tank	
526911	25 l	Plastic tank	

Stabilized with ~10% of methanol. Buffered at pH 7 with phosphate salts

	Formaldehyde 5% w/v buffered at pH 6.9	Synonym: <i>Formalin</i>
	<ul style="list-style-type: none"> • Aldeide formica 5% m/v tamponata pH 6.9 • Aldéhyde formique 5% m/v tamponné à pH 6.9 • Formaldehído 5% p/v tamponata pH 6.9 • Formaldehyd 5% m/v pH 6.9 gepuffert 	
<p>HCHO Molecular Weight: 30,03 CAS: 50-00-0</p>		<p>Danger H317-H341-H350-HA26 P261-P280-P308+P313-P362+P364-P333+P313-P501a</p>

Formaldehyde 5% w/v buffered at pH 6.9 > RS - For histology

RS

Description Clear colourless liquid pH at 20°C 6.9 - 7.1

Code	Size	Packaging	Notes
415674	5 l	Plastic tank	
415672	10 l	Plastic tank	

Buffered at pH 7 with phosphate salts

**Formaldehyde 4% w/v buffered at pH 6.9**

- Aldeide formica 4% m/v tamponata pH 6.9 • Aldéhyde formique 4% m/v tamponné à pH 6.9
- Formaldehído 4% p/v tamponata pH 6.9 • Formaldehyd 4% m/v pH 6.9 gepuffert

Synonym:
Formalin

HCHO
Molecular Weight: 30,03
CAS: 50-00-0

**Danger**

H317-H341-H350-HA26
P261-P280-P308+P313-P362+P364-P333+P313-P501a

Formaldehyde 4% w/v buffered at pH 6.9 > RS - For histology - CE - IVD

RS

Code	Size	Packaging	Notes
415634	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
415631	5 l	Plastic bottle	In Vitro Diagnostic Medical Device
415633	10 l	Kubidos	In Vitro Diagnostic Medical Device
415636	20 l	Plastic tank	In Vitro Diagnostic Medical Device

For specifications, contact our customer service for a certificate of analysis

Formaldehyde 4% w/v buffered at pH 6.9 > RS - For histology

RS

Description Clear colourless liquid Identification Positive pH at 20° C 6.8 ÷ 7.0 Density at 20° C ≥ 1.00
pH at 20° C 6.8 ÷ 7.0 Density at 20° C ≥ 1.00 Assay (oxydimetric) ≥ 4.0 % Assay (oxidimetric) 3.9 - 4.1 %

Code	Size	Packaging	Notes
508861	30 ml	Plastic jar	60 ml jars filled at 30 ml. Box of 500
508863	300 ml	Plastic jar	500 ml jars filled at 300 ml. Box of 32
524920	500 ml	Plastic bottle	
526937	800 ml	Plastic jar	1 l jar filled at 800 ml
415694	1 l	Plastic bottle	
526931	2.5 l	Metal bucket	5 l bucket filled at 2.5 l
415691	5 l	Plastic bottle	
415695	5 l	Kubidos	
526936	5 l	Plastic tank	
415693	10 l	Kubidos	
526933	10 l	Plastic tank	
415696	20 l	Kubidos	
415692	30 kg	Plastic drum	

10% solution (v/v) buffered at pH 6.9 with phosphate ions. Stabilized with methanol

**Formaldehyde 4% w/v with sodium chloride**

- Aldeide formica 4% m/v con sodio cloruro • Aldéhyde formique 4% m/v salé
- Formaldehído 4% p/v con sodio cloruro • Formaldehyd 4% m/v mit natriumchlorid

Synonym:
Formalin

HCHO
Molecular Weight: 30,03
CAS: 50-00-0

**Danger**

H317-H341-H350-HA26
P261-P280-P308+P313-P362+P364-P333+P313-P501a

Formaldehyde 4% w/v with sodium chloride > RS - For histology

RS

Description Clear colourless liquid pH at 20° C 7.30 ÷ 7.40 Stabilized with 1% of methyl alcohol

Code	Size	Packaging	Notes
526934	1 l	Plastic bottle	

Formaldehyde acetic
 • Aldeide formica e acido acetico • Formol acétique • Formol acético • Formalin Essigsäure
 Synonym: *Formalin*

HCHO
 Molecular Weight: 30,03
 CAS: 50-00-0



Danger
 H315-H319-H317-H341-H350-H335-HA26
 P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Formaldehyde acetic > RS - For histology

RS

Description Clear colourless liquid

Code	Size	Packaging	Notes
508871	480 x 30 ml	Plastic jar	60 ml jars filled at 30 ml. Box of 500
526231	1 l	Plastic bottle	
526273	5 l	Plastic tank	

Formamide
 • Formammide • Formamide • Formamida • Formamid
 Synonym: *Formic amide*

HCONH₂
 Molecular Weight: 45,02
 CAS: 75-12-7
 EEC-N: 200-842-0



Danger
 H351-H360D-H373-HA26
 P260-P280-P308+P313-P314-P405-P501a

Formamide > RS - Anhydrous - For analysis

RS

Refractive index at 20°C 1.445 - 1.449 Colour ≤ 10 Hazen Methanol ≤ 0.2 %
 Water content (K.F.) ≤ 500 mg/Kg Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P6151010	200 ml	Bottle with septum	

Formamide > RPE - For analysis - ACS

RPE

Description Clear liquid Identification Positive Assay (GLC) ≥ 99.5 %
 Colour (APHA) ≤ 10 Freezing point 2.0 ÷ 3.0 °C

Code	Size	Packaging	Notes
452282	250 ml	Glass bottle	
452286	1 l	Glass bottle	

Formic acid 99%
 • Acido formico 99% • Acide formique 99% • Acido fórmico 99% • Ameisensäure 99%

HCOOH
 Molecular Weight: 46,03
 CAS: 64-18-6
 EEC-N: 200-579-1

Classification transport
 ONU: 1779
 Transport Hazard class: 8
 Packing group II



Danger
 H226-H302-H331-H314-HEU071
 P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Formic acid 99% > RS - For LC/MS

RS

Description Clear colourless liquid Residue on evaporation ≤10 ppm at 280 nm ≥ 95 % Na ≤ 0.5 ppm
 Colour (APHA) ≤10 Assay (acidimetric) ≥99.0 % at 300 nm ≥ 98 % Ca ≤ 0.2 ppm
 Refractive index at 20°C. 1.3709 ÷ 1.3719 U.V. Transmittance ≥ 99 % at 320 nm ≥ 99 % Mg ≤ 0.1 ppm
 Density at 20° C 1.218 ÷ 1.222 at 260 nm ≥ 20 % Al ≤ 0.05 ppm K ≤ 0.1 ppm
 Boiling point 100.2 - 101.2 °C at 270 nm ≥ 85 % Fe ≤ 0.2 ppm

Code	Size	Packaging	Notes
405821	10 x 1 ml	Glass ampoule	
405822	10 x 2.5 ml	Glass ampoule	
405823	50 ml	Plastic bottle	
405824	1 l	Glass bottle	

Formic acid 99% > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description	Clear liquid	Chloride	≤5 ppm	Cd	≤0.05 ppm	Na	≤0.5 ppm
Colour (APHA)	≤10	Heavy metals (Pb)	≤2 ppm	Co	≤0.02 ppm	Ni	≤0.2 ppm
Water miscibility	Conform	Oxalate	≤50 ppm	Cr	≤0.05 ppm	Pb	≤0.02 ppm
Density at 20° C	1.218 ÷ 1.222	Sulphate	≤5 ppm	Cu	≤0.02 ppm	Sr	≤0.02 ppm
Refractive index at 20°C	1.3709 ÷ 1.3719	Sulphite	≤10 ppm	Fe	≤2 ppm	V	≤0.05 ppm
Boiling point	100.2 ÷ 101.2 °C	Ag	≤0.02 ppm	K	≤0.1 ppm	Zn	≤0.05 ppm
Residue on evaporation	≤20 ppm	Al	≤0.05 ppm	Li	≤0.02 ppm	Assay (acidimetric)	≥98 %
Acetic acid	≤500 ppm	Ba	≤0.05 ppm	Mg	≤0.5 ppm		
Ammonium	≤10 ppm	Bi	≤0.1 ppm	Mn	≤0.05 ppm		
Total nitrogen	≤20 ppm	Ca	≤0.2 ppm	Mo	≤0.02 ppm		

Code	Size	Packaging	Notes
405792	1 l	Glass bottle	
405793	5 l	Plastic tank	
405794	30 kg	Plastic drum	

Formic acid 99% > ERBApharm - According to pharmacopoeia: DAB**ERBApharm**

Description	Clear colourless liquid	Density at 20° C	1.218 ÷ 1.222	Origin (BSE/TSE)	Synthesis
Identification	Positive	Assay (acidimetric)	≥ 98 % m/m		

Code	Size	Packaging	Notes
303911	1 l	Glass bottle	
303912	2.5 l	Glass bottle	
303913	30 kg	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Formic acid 85%**

• Acido formico 85% • Acide formique 85% • Acido fórmico 85% • Ameisensäure 85%

HCOOH	Classification transport		Danger
Molecular Weight: 46,03	ONU: 1779		H226-H302-H331-H314
CAS: 64-18-6	Transport Hazard class: 8		P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233
	Packing group II		

Formic acid 85% > RPE - For analysis**RPE**

Description	Clear liquid	Total nitrogen	≤20 ppm	Bi	≤0.1 ppm	Mg	≤0.5 ppm
Colour (APHA)	≤10	Chloride	≤5 ppm	Cd	≤0.05 ppm	Mn	≤0.05 ppm
Identification	Positive	Heavy metals (Pb)	≤2 ppm	Co	≤0.02 ppm	Mo	≤0.02 ppm
Water miscibility	Conform	Oxalate	≤50 ppm	Cr	≤0.05 ppm	Ni	≤0.2 ppm
Density at 20° C	1.196 ÷ 1.199	Sulphate	≤5 ppm	Cu	≤0.02 ppm	Sr	≤0.02 ppm
Residue on evaporation	≤20 ppm	Sulphite	≤10 ppm	Fe	≤2 ppm	V	≤0.05 ppm
Acidity (acetic acid)	≤500 ppm	Ag	≤0.02 ppm	K	≤0.1 ppm	Zn	≤0.05 ppm
Ammonium	≤10 ppm	Ba	≤0.05 ppm	Li	≤0.02 ppm	Assay (acidimetric)	85 ÷ 87 %

Code	Size	Packaging	Notes
405832	1 l	Glass bottle	
405833	2.5 l	Glass bottle	
405835	30 kg	Plastic drum	

Formic acid 85% > RE - Pure**RE**

Description	Clear liquid	Residue on evaporation	≤0.5 %	Sulphate	≤300 ppm
Identification	Positive	Chloride	≤100 ppm	Fe	≤50 ppm
Density at 20° C	1.196 ÷ 1.199	Heavy metals (Pb)	≤50 ppm	Assay (acidimetric)	85 ÷ 87 %

Code	Size	Packaging	Notes
303905	1 l	Glass bottle	
303901	30 kg	Plastic drum	



Formic acid-d

• Acido formico-d • Acide formique-d • Acido fórmico-d • Ameisensäure-d

HCOOD

Molecular Weight: 47,03

CAS: 925-94-0

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group I



Danger

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Formic acid-d > RS - For NMR - min 97%

RS

Code	Size	Packaging	Notes
P5733	5 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

Formic acid ammonium salt ▶ Ammonium formate

Formic acid ethyl ester ▶ Ethyl formate



D(-)Fructose

• D(-)Fruttosio • D(-)Fructose • D(-)Fructosa • Lävulose

C₆H₁₂O₆

Molecular Weight: 180,16

CAS: 57-48-7

EEC-N: 200-333-3

D(-)Fructose > RPE - For analysis

RPE

Description	White powder	Specific optical rotation.....	-93.0 ÷ -91.0 °	Heavy metals (Pb).....	≤10 ppm	Assay	≥ 99.5 %
Identification	Positive	Water (K.F).....	≤ 0.5 %	Sulphate.....	≤50 ppm		
Melting point.....	101.5 ÷ 104.5 ° C	Chloride.....	≤40 ppm	As	≤1 ppm		

Code	Size	Packaging	Notes
452665	100 g	Plastic bottle	
452666	500 g	Plastic bottle	



Fuchsin acid

• Fucsina acida • Fuchsine acide • Fucsina ácida • Säurefuchsin

Synonym:
Acid Violet 19

C₂₀H₁₇N₃Na₂O₉S₃

Molecular Weight: 585,6

CAS: 3244-88-0

EEC-N: 221-816-5

Fuchsin acid > RPE - For analysis - C.I. 42685

RPE

Description	Dark green crystals	Identification	Positive	Decolorization with SO ₂	Conform
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Code	Size	Packaging	Notes
452812	25 g	Glass bottle	
452814	100 g	Plastic bottle	

Dye for microscopy (botanical-histology). Indicator acid - base (pH 12.0 ÷ 14.0)

**Fuchsine basic**

• Fucsina basica • Fuchsiine basique • Fucsina básica • Fuchsin

Synonym:
Basic Violet 14

$C_{20}H_{20}ClN_3$
Molecular Weight: 337,85
CAS: 632-99-5
EEC-N: 211-189-6

**Warning**

H315-H319-H351-H335
P261-P271-P280-P304+P340-P305+P351+P338-
P403+P233

Fuchsine basic > RPE - For analysis - C.I. 42510**RPE**Description Green crystals Identification Positive Decolorization with SO₂ Conform

Code	Size	Packaging	Notes
452842	25 g	Glass bottle	
452844	100 g	Plastic bottle	

Dye for microscopy (bacteriology-Botanical-histology). Indicator acid - base (pH 1.0 ÷ 3.1)**Fuchsine solution decolorised**• Fucsina decolorata soluzione • Fuchsiine décolorée solution • Fucsina solución decolorizada
• Fuchsiine verfärbte LösungSynonym:
Basic Violet 14

$C_{20}H_{20}ClN_3$
Molecular Weight: 337,85
CAS: 632-99-5

**Warning**

H290
P234-P390-P406

Fuchsine solution decolorised > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611039401	100 ml	Glass bottle	Ref Ph.Eur 1039401
611039402	100 ml	Glass bottle	Fuchsine solution, decolorised R1 Ref Ph.Eur 1039402

**Fumaric acid**

• Acido fumarico • Acide fumarique • Acido fumárico • Fumarsäure

HOOCCH:CHCOOH
Molecular Weight: 116,07
CAS: 110-17-8
EEC-N: 203-743-0

**Warning**

H319
P264-P280i-P305+P351+P338-P337+P313

Fumaric acid > RPE - For analysis**RPE**

Description White crystal powder Water (K.F.) ≤ 0.5 % Heavy metals (Pb) ≤ 10 ppm Maleic acid ≤ 0.1 %
Identification Positive Assay (dried base) 99.5 ÷ 100.5 % Residue on ignition ≤ 100 ppm

Code	Size	Packaging	Notes
406284	100 g	Glass bottle	
406287	1 kg	Plastic bottle	



Gadolinium standard solution

• Gadolinio standard soluzione • Gadolinium solution standard • Gadolinio, solución patrón • Gadolinium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Gadolinium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505622	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505625	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Gadolinium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503601	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503603	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503605	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503607	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Gadolinium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507737	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507504	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



D(+)-Galactose

• D(+)-Galattosio • D(+)-Galactose • D(+)-Galactosa • D(+)-Galactose

CH₂OHCH(CHOH)₃CHOH
Molecular Weight: 180,16
CAS: 59-23-4
EEC-N: 200-416-4

D(+)-Galactose > RPE - For analysis

RPE

Description White powder Potere rotat. spec. a20°C (C=10;H20;NH3) ..+78 ÷ +81.5 ° Water (K.F.)≤ 0.3 %
Identification Positive (s.s.) Sulphated ash.....≤ 0.1 %

Code	Size	Packaging	Notes
453125	250 g	Plastic bottle	
453126	1 kg	Plastic bottle	

**Gallic acid monohydrate**

- Acido gallico monoidrato • Acide gallique monohydraté • Acido gálico monohidrato
- Gallussäure monohydrat

Synonym:
3,4,5-Trihydroxybenzoic acid monohydrate

3,4,5-(OH)₃C₆H₂COOH.H₂O
Molecular Weight: 188,14
CAS: 5995-86-8
EEC-N: 205-749-9

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Gallic acid monohydrate > RPE - For analysis**RPE**

Description White powder Loss on drying ≤ 10 % Sulphated ash ≤ 0.1 %
Identification Positive Sulphate ≤ 200 ppm Assay (acidimetric) ≥ 99.0 % (s.s.)

Code	Size	Packaging	Notes
406335	250 g	Plastic bottle	
406336	1 kg	Plastic bottle	

Gallic acid monohydrate > RE - Pure**RE**

Description Yellow crystalline powder Loss on drying 100° C ≤ 10 % Sulphate ≤ 500 ppm
Identification Positive Residue on ignition ≤ 0.1 %

Code	Size	Packaging	Notes
304201	1 kg	Plastic bottle	

**Gallium standard solution**

- Gallio standard soluzione • Gallium standard solution • Galio solución estándar • Gallium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group II

**Danger**

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Gallium standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505617	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505618	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505619	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Gallium standard solution > RS - Standard solution for AAS**RS**

Code	Size	Packaging	Notes
507739	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507503	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Gardner Colour Standards

• Standard Gardner del colore • Etalons couleurs Gardner • Patrones de color Gardner • Gardner Farbstandards

Gardner Colour Standards > RS - For calibration

RS

Code	Size	Packaging	Notes
540701	100 ml	Glass bottle	Colour 2
540702	100 ml	Glass bottle	Colour 4
540703	100 ml	Glass bottle	Colour 6
540704	100 ml	Glass bottle	Colour 8
540705	100 ml	Glass bottle	Colour 10
540706	100 ml	Glass bottle	Colour 12
540707	100 ml	Glass bottle	Colour 14
540708	100 ml	Glass bottle	Colour 16



Gelatine

• Gelatina • Gélatine • Gelatina • Gelatine

CAS: 9000-70-8
EEC-N: 232-554-6

Gelatine > RS - For microbiology

RS

Description Yellowish crystalline powder Identification Positive Loss on drying ≤ 13 % Sulphated ash ≤ 2 %

Code	Size	Packaging	Notes
453226	500 g	Plastic bottle	



Gentian violet

• Violetto genziana • Violet de gentiane • Violeta de genciana • Enzianviolett

Synonym:

- Crystal violet solution
- Basic violet 3

$C_{25}H_{30}ClN_3$
Molecular Weight: 407,99
CAS: 548-62-9
EEC-N: 208-953-6



Danger

H302-H318-H351-H410
P264-P280-P301+P312a-P305+P351+P338-P310a-P308+P313

Gentian violet > RE - Pure

RE

Description Dark green powder Identification Positive Loss on drying 100° C ≤ 10 %

Code	Size	Packaging	Notes
388703	25 g	Glass bottle	
388701	50 g	Glass bottle	

Dye for microscopy (bacteriology)



Gentian violet carbolated solution

• Violetto genziana soluzione fenicata • Violet de gentiane solution phéniquée
• Violeta de genciana solución fenicada • Enzianviolettcarbollösung

Synonym:

- Crystal violet solution
- Basic violet 3

$C_{25}H_{30}ClN_3$
Molecular Weight: 407,99
CAS: 548-62-9



Warning

H319-H412
P264-P273-P280i-P305+P351+P338-P337+P313-P501a

Gentian violet carbolated solution > RS - For microscopy

RS

Description Violet clear liquid Identification Positive

Code	Size	Packaging	Notes
E491651	250 ml	Glass bottle	Dye for microscopy (bacteriology) according to GRAM
E491661	250 ml	Glass bottle	Dye for microscopy (bacteriology) according to NICOLLE

**Germanium standard solution**

• Germanio standard soluzione • Germanium solution standard • Germanio, solución patrón • Germanium-Standardlösung

Germanium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615004400	1 l	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5004400

Germanium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505632	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505635	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid
505633	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Germanium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
504251	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
504253	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
504255	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid
504257	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Germanium standard solution > RS - Standard solution for AAS**

RS

Code	Size	Packaging	Notes
507740	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507505	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Gibb's reagent ▶ 2,6-Dichloroquinone-4-chlorimide****Giemsa's reagent**

• Giemsa reattivo • Réactif de Giemsa • Giemsa reactivo • Giemsa-Reagenz

Classification transportONU: 1992
Transport Hazard class: 3
Packing group II**Danger**H225-H301-H370
P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235**Giemsa's reagent > RS - For hematology**

RS

Description Blue clear liquid Identification Positive Functionality Conform

Code	Size	Packaging	Notes
453614	100 ml	Glass bottle	In Vitro Diagnostic Medical Device
E453612	6 x 100 ml	Bottle	In Vitro Diagnostic Medical Device
453616	500 ml	Bottle	In Vitro Diagnostic Medical Device
E453613	6 x 500 ml	Bottle	In Vitro Diagnostic Medical Device
453611	2.5 l	Bottle	In Vitro Diagnostic Medical Device
E453615	4 x 2.5 l	Bottle	In Vitro Diagnostic Medical Device

Dye according hematology Romanowski



Glass wool

• Lana di vetro • Laine de verre • Lana de vidrio • Glaswolle

Synonym:

- Silica
- Silicon dioxide

Molecular Weight: 60,09

CAS: 65997-17-3

Glass wool > RPE - For analysis

RPE

Description Fine threads of glass

Code	Size	Packaging	Notes
457521	250 g	Carton box	

D-Glucitol ▶ Sorbitol



D(+)-Glucose anhydrous

• D(+)-Glucosio anidro • D(+)-Glucose anhydre • D(+)-Glucosa anhidra • D(+)-Glucose wasserfrei

Synonym:

Dextrose

CH₂OHCH(CHOH)₃CHOH

Molecular Weight: 180,16

CAS: 50-99-7

EEC-N: 200-075-1

D(+)-Glucose anhydrous > RPE - For analysis - ACS

RPE

Description White crystalline powder
 Identification Positive
 Specific optical rotation... +52.5 ÷ +53.0 °

Loss on drying ≤0.2 %
 Acidity ≤0.002 meq/g
 Starch Conform

Chloride..... ≤100 ppm
 Water-insoluble matter ≤50 ppm
 Heavy metals (Pb)..... ≤5 ppm

Residue on ignition ≤200 ppm
 Sulphat + sulphit (SO₄) ≤50 ppm
 Fe ≤5 ppm

Code	Size	Packaging	Notes
454335	100 g	Plastic bottle	
454336	500 g	Plastic bottle	
454337	1 kg	Plastic bottle	
454338	2.5 kg	Plastic bottle	
454333	25 kg	Plastic bucket	

D(+)-Glucose anhydrous > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP-DAB-JP

ERBapharm

Description White crystalline powder
 Identifications..... Positives
 Identification IR (USP) Positive
 Appearance of solution Conform
 Soluble starch, sulfite ≤ 15 ppm
 Dextrin..... Conform
 Specific optical rotation at 20°C (anh.)..... +52.5 ÷ +53.3 °

Sulphated ash..... ≤ 0.1 %
 Water (K.F.) ≤ 1.0 %
 Acidity Conform
 Conductivity at 20°C ≤ 20 µS/cm
 Conductivity at 25°C ≤ 20 µS/cm
 Heavy metals (Pb)..... ≤ 4 ppm

Chloride..... ≤ 0.018 %
 Sulphate ≤ 0.024 %
 Loss on drying at 105°C..... ≤ 1.0 %
 As ≤ 1 ppm
 Assay (anh.)..... 97.5 ÷ 102.0 %
 Assay (optical rotation dried sub.)(JP)≥ 99.5 %

Related substances (HPLC) Conform
 Maltose and isomaltose ≤ 0.4 %
 Maltotriose..... ≤ 0.2 %
 Fructose ≤ 0.15 %
 Unspecified ≤ 0.10 %
 Total impurities..... ≤ 0.5 %

Code	Size	Packaging	Notes
346987	1 kg	Plastic bottle	
346989	5 kg	Plastic tank	
346983	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



D(+)-Glucose monohydrate

- D(+)-Glucosio monoidrato • D(+)-Glucose monohydraté • D(+)-Glucosa monohidratu
- D(+)-Glucose-Monohydrat

Synonym:
Dextrose monohydrate

CH₂OHCH(CHOH)₃CHOH.H₂O
CAS: 5996-10-1
EEC-N: 200-075-1

D(+)-Glucose monohydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-BP-DAB-JP

ERBApharm

Description	white crystalline powder	+52.5 ÷ +53.3 °	Chloride.....	≤ 0.018 %	Related substances (HPLC)	Conform	
Identifications.....	Positives	Sulphated ash.....	≤ 0.1 %	Sulphate.....	≤ 0.025 %	Maltose and isomaltose.....	≤ 0.4 %
Identification IR (USP)	Positive	Water (K.F).....	7.5 ÷ 9.5 %	Loss on drying at 105°C.....	≤ 1.0 %	Maltotriose.....	≤ 0.2 %
Appearance of solution	Conform	Acidity.....	Conform	As.....	≤ 1 ppm	Fructose.....	≤ 0.15 %
Soluble starch, sulfite	≤ 15 ppm	Conductivity at 20°C	≤ 20 µS/cm	Assay (anh.).....	97.5 ÷ 102.0 %	Unspecified.....	≤ 0.10 %
Dextrin.....	Conform	Conductivity at 25°C	≤ 20 µS/cm	Assay (optical rotation dried sub.)(JP)≥	99.5 %	Total impurities.....	≤ 0.5 %
Specific optical rotation at 20°C (anh.).....		Heavy metals (Pb).....	≤ 4 ppm			Origin (BSE-TSE)	Vegetable

Code	Size	Packaging	Notes
346971	1 kg	Plastic bottle	
346972	5 kg	Plastic tank	
346973	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



L(+)-Glutamic acid

- Acido L(+)-glutammico • Acide L(+)-glutamique • Acido L(+)-glutámico • L-Glutaminsäure

Synonym:
(S)-2-Aminopentanedioic acid

HOOCCH(NH₂)CH₂CH₂COOH
Molecular Weight: 147,13
CAS: 56-86-0
EEC-N: 200-293-7

L(+)-Glutamic acid > RPE - For analysis

RPE

Description	White powder	Ammonium.....	≤ 200 ppm	Residue on ignition.....	≤ 0.1 %	Fe.....	≤ 30 ppm
Identifications.....	Positive	Chloride.....	≤ 200 ppm	Transmittance at 430nm (C=10; HCl 2N)≥	98 %	Assay (non-aqueous medium) .98.5 ÷ 100.5	% (s.s.)
Potere rotat. specif. a 20°C+30.5 ÷ 32.5 ° (s.s.)		Sulphate.....	≤ 300 ppm	Other amino-acids.....	Not detectables		
Loss on drying	≤ 0.5 %	Heavy metals (Pb).....	≤ 10 ppm	As2O3.....	≤ 1 ppm		

Code	Size	Packaging	Notes
406485	250 g	Plastic bottle	

L(+)-Glutamic acid > RE - Pure

RE

Description	White powder	Specific optical rotation at 20°C (C=10; ...	+31.5 ÷ +32.5 °	Chloride.....	≤ 210 ppm	Sulphated ash.....	≤ 0.1 %
Identifications.....	Positive	Trasmittance at 430nm (C=10; HCl 2N)≥	98 %	Sulphate.....	≤ 280 ppm	Fe.....	≤ 30 ppm
Loss on drying	≤ 0.2 %	Ammonium.....	≤ 200 ppm	Heavy metals (Pb).....	≤ 10 ppm	Assay (acidimetric)	98.5 ÷ 100.5 %s.s.
Other amino-acids.....	Not detectables						

Code	Size	Packaging	Notes
304505	250 g	Plastic bottle	
304507	1 kg	Plastic bottle	



Glutardialdehyde solution 50%

• Aldeide glutarica soluzione 50% • Aldéhyde glutarique solution 50% • Glutaraldehydo solución 50%
• Glutaraldehydlösung 50%

Synonym:
Pentane-1,5-dial

$C_5H_8O_2$
Molecular Weight: 100,12
CAS: 111-30-8

Classification transport
ONU: 2922
Transport Hazard class: 8
Packing group II



Danger
H301-H314-H334-H317-H335-H400-H411
P280-P284-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338-P342+P311a-
P403+P233

Glutardialdehyde solution 50% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C 1.127 ÷ 1.133 Assay 50.0 ÷ 52.0 %

Code	Size	Packaging	Notes
415721	10 l	Kubidos	



Glycerol (30°Bé)

• Glicerina (30°Bé) • Glycérine (30°Bé) • Glicerina (30°Bé) • Glycerin (30°Bé)

Synonym:
1,2,3-Propanetriol

$CH_2OHCHOHCH_2OH$
Molecular Weight: 92,09
CAS: 56-81-5
EEC-N: 200-289-5

Glycerol (30°Bé) > RS - RSE - For electronic use

RS

Description Clear liquid Ready carbonizable substances..... Conform ACS Heavy metals (Pb)..... ≤ 2 ppm Ca..... ≤ 10 ppm
Colour (APHA) ≤ 10 Density at 25°/25° C..... ≥ 1.2570 Oxalate ≤ 8 ppm Cr..... ≤ 0.1 ppm
Identification Positive Organic chlorine (Cl) ≤ 30 ppm Peroxides (H2O2) ≤ 5 ppm Cu..... ≤ 0.1 ppm
Water miscibility Complete Chloride..... ≤ 2 ppm Residue on ignition ≤ 50 ppm Fe ≤ 0.5 ppm
Alcohol miscibility Complete Fatty acid esters(glyceryl trybutyrrate) ≤ 500 ppm Sulphate ≤ 10 ppm Ni ≤ 0.1 ppm
Acroleine, sugars and ammonia compounds Conform ACS As ≤ 0.4 ppm Assay (densimetric) ≥ 99.5 %

Code	Size	Packaging	Notes
453771	1 l	Glass bottle	
453772	2.5 l	Glass bottle	

Glycerol (30°Bé) > RPE - For analysis - ACS - Reag. USP

RPE

Description Clear liquid Ready carbonizable substances..... Conform ACS Heavy metals (Pb)..... ≤ 2 ppm Esters of fatty acids (butyric acid) ≤ 500 ppm
Colour (APHA) ≤ 10 Water (K.F.) ≤ 0.5 % Residue on ignition ≤ 50 ppm Ca ≤ 10 ppm
Identification Positive Organic chlorine (Cl) ≤ 30 ppm Sulphate ≤ 10 ppm Fe ≤ 0.5 ppm
Neutrality Conform ACS Acroleine and glucose Conform ACS Assay (GLC) ≥ 99.5 %

Code	Size	Packaging	Notes
453751	500 ml	Plastic bottle	
453752	1 l	Glass bottle	
453755	2.5 l	Glass bottle	
453759	35 kg	Metal drum	
453758	260 kg	Metal drum	

Glycerol (30°Bé) > ERBAPharm - According to pharmacopeia: Ph.Eur.-USP

ERBAPharm

Clear, colourless solution Conform Water content (K.F.) ≤ 2 % m/m Chloride (Cl-)..... ≤ 10 mg/kg Glycerol content 99 - 101 %
Refractive index at 20°C 1.47 - 1.475 Heavy metals (as Pb) ≤ 5 mg/Kg Halogenated compounds ≤ 35 mg/Kg Fatty acids and esters..... Conform
Colour ≤ 10 Hazen Residue on ignition ≤ 100 mg/Kg Sugars..... Conform Limit of chlorinated compounds: 0.0030 %
Identification (IR)..... Conform Acidity / alkalinity Conform Sulfuric ashes ≤ 0.01 % Impurity A and related substances. Conform
Identification B Conform Aldehydes..... ≤ 10 mg/Kg Volatile org. Impurities Conform Diethyleneglycol and ethyleneglycol imp.... Conform
Density d25/25 ≥ 1.249 Esters..... Conform Sulphate (SO4-) ≤ 20 mg/Kg Conform

Code	Size	Packaging	Notes
P6170541	10 l	Plastic tank	
P6170567	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Glycerol (30° Bé) > ERBApharm - Vegetal origin - According to Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBApharm

Appearance Clear colourless liquid	Esters Conform Ph.Eur.	Chloride ≤ 10 ppm	Imp.A and related substances Conform Ph.Eur
Identification A Conform Ph.Eur.	Fatty acids and esters Conform USP-NF	Limit of chlorinated compounds (as Cl) ≤ 30 ppm	Impurity Ret.time < glycerol ≤ 0.1 %
Identification B Conform Ph.Eur.	Colour Not darker than standard USP-NF	Halogenated compounds ≤ 35 ppm	Total imp.Ret.time > glycerol ≤ 0.5 %
Identification C. Same Rt to standard by GC USP-NF	Density at 25°C ≥ 1.249	Heavy metals (Pb) ≤ 5 ppm	Related compounds Conform USP-NF
Appearance of solution S... Clear, colourless Ph.Eur.	Refractive index at 20°C 1.470 ÷ 1.475	Sulphate ≤ 20 ppm	Any impurity ≤ 0.1 %
Acidity or alkalinity Conform Ph.Eur.	Water (K.F) ≤ 2.0 %	Ethylene glycol ≤ 0.1 %	Total impurities ≤ 1.0 %
Sugars Conform Ph.Eur.	Aldehydes ≤ 10 ppm	Diethylene glycol ≤ 0.1 %	Assay (acidimetric) 99.0 ÷ 101.0 % s.s.
	Sulfated ashes ≤ 0.01 %		

Code	Size	Packaging	Notes
346161	1 l	Glass bottle	
346165	2.5 l	Glass bottle	
346162	5 l	Plastic tank	
346164	35 kg	Metal drum	
346167	250 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Glycerol (30° Bé) > RE - Pure

RE

Description Clear colourless liquid	Refractive index at 20°C. 1.4710 ÷ 1.4740	Residue on ignition ≤ 100 ppm	Fe ≤ 1 ppm
Identification Positive	Chloride ≤ 10 ppm	Sulphate ≤ 20 ppm	
Density at 20° C 1.258 ÷ 1.264	Heavy metals (Pb) ≤ 5 ppm	As ≤ 0.5 ppm	

Code	Size	Packaging	Notes
346102	1 l	Glass bottle	
346106	35 kg	Metal drum	



Glycerol 90% (28° Bé)

• Glicerina 90% (28° Bé) • Glycérine 90% (28° Bé) • Glicerina 90% (28° Bé) • Glycerin 90% (28° Bé)

Synonym:
1,2,3-Propanetriol

CH₂OHCHOHCH₂OH
Molecular Weight: 92,09
CAS: 56-81-5
EEC-N: 200-289-5

Glycerol 90% (28° Bé) > RE - Pure

RE

Description Clear colourless liquid	Heavy metals (Pb) ≤ 5 ppm	Refractive index at 20°C. 1.4490 ÷ 1.4550	Chloride ≤ 10 ppm
Identification Positive	Residue on ignition ≤ 100 ppm	Aldehydes ≤ 10 ppm	Water (K.F) 11.5 ÷ 16.5 %
Density at 20° C 1.220 ÷ 1.233	Appearance of solution Conform	Esters Conform	Assay 83.5 ÷ 88.5 %
Chlorinated compounds ≤ 30 ppm	Acidity or alkalinity Conform	Sugar Conform	

Code	Size	Packaging	Notes
346131	1 l	Glass bottle	
346132	2.5 l	Glass bottle	
346134	35 kg	Plastic drum	



Glycine

• Glicocolla • Glycocolle • Glicina • Glycin

Synonym:
• Aminoacetic acid
• Glycocol

CH₂NH₂COOH
Molecular Weight: 75,07
CAS: 56-40-6
EEC-N: 200-272-2

Glycine > RPE - For analysis

RPE

Description White crystalline powder	Loss on drying ≤ 0.2 %	Heavy metals (Pb) ≤ 20 ppm
Identification (I.R.) Positive	Chloride ≤ 70 ppm	Sulphated ash ≤ 0.1 %
Hydrolyzable matter Conform	Sulphate ≤ 65 ppm	Assay (non-aqueous medium) ≥ 98.5 % (s.s.)

Code	Size	Packaging	Notes
453804	100 g	Glass bottle	
453807	1 kg	Plastic bottle	

Glycine > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-Ph.Franc.

ERBApharm

Description	White crystalline powder	Loss on drying	≤0.2 %	Assay (non-aqueous medium)	98.5 ÷ 101.0 % s.s.	Ninhydrin positive substances	Conform Ph.Eur.
Identification	Positive	Sulphated ash	≤0.1 %	Sostanze ninidrina-positive	Conform Ph.Eur.	Related substances (HPLC)	Conform Ph.Eur.
Appearance of solution	Conform Ph.Eur.	Chloride	≤70 ppm	Ammonium (NH ₄)	≤ 0.02 %		
Hydrolyzable matter	Conform USP-NF	Heavy metals (Pb)	≤10 ppm				
pH solution 5%	5.9 ÷ 6.4	Sulphate	≤65 ppm				

Code	Size	Packaging	Notes
346207	1 kg	Plastic bottle	
346205	5 kg	Plastic tank	
346208	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Glycocoll ▶ Glycine



Glycolic acid

• Acido glicolico • Acide glycolique • Acido glicólico • Glycolsäure

Synonym:

Hydroxyacetic acid

CH₂OHCOOH
Molecular Weight: 76,052
CAS: 79-14-1
EEC-N: 201-180-5

Classification transport

ONU: 3261
Transport Hazard class: 8
Packing group II



Danger

H302-H332-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Glycolic acid > RPE - For analysis

RPE

Description	White crystals	Melting point	72 ÷ 80 °C	Water	≤ 1 %
Identification	Positive	Assay (acidimetric)	≥ 98.5 % s.s.		

Code	Size	Packaging	Notes
406434	100 g	Glass bottle	



Glyoxal standard solution

• Glicosale standard soluzione • Glyoxal standard solution • Glioxal, solución patrón • Glyoxal-Standardlösung

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group II



Danger

H225-HEU208
P210-P241-P280-P303+P361+P353-P403+P235-
P501a

Glyoxal standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003700	100 ml	Plastic bottle	A 20 ppm solution: to dilute according to Ph.Eur 5003700



Glyoxal-bis-(2-hydroxyanil)

• Glicosale-bis(2-idrossianile) • Glyoxal-bis-(2-hydroxyanile) • Glioxal-bis-(2-idroxianilo) • Glyoxalbis(2-hydroxyanil)

Synonym:

• 2,2'-(Ethanediylidenedinitrilo)diphenol
• GBHA

C₁₄H₁₂N₂O₂
Molecular Weight: 240,26
CAS: 1149-16-2
EEC-N: 214-560-0



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Glyoxal-bis-(2-hydroxyanil) > RPE - For analysis

RPE

Description	Beige powder	Loss on drying	≤ 0.5 %	Assay (HPLC)	≥ 96.0 %
Identification	Positive	Sulphated ash	≤ 0.1 %		

Code	Size	Packaging	Notes
454131	10 g	Glass bottle	
454132	25 g	Glass bottle	

Indicator for the complexometric titration of calcium

**Gold standard solution**

• Oro standard soluzione • Or solution standard • Oro, solución patrón • Goldstandardlösung

**Danger**H314-HEU208
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Gold standard solution > RS - Standard solution for ICP-MS**

RS

Code	Size	Packaging	Notes
505317	100 ml	Plastic bottle	conc. 10 ppm Matrix: Hydrochloric acid
505318	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrochloric acid
505319	100 ml	Plastic bottle	conc. 1000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Gold standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503431	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503433	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503435	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503437	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Gold standard solution > RS - Standard solution for AAS**

RS

Description Yellow clear liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E497585	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497581	500 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Gold standard solution > RS - NORMEX - Concentrated solution for AAS**

RS

Description Yellow clear liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
466961		Plastic ampoule	conc. 1.000 ppm Matrix: Hydrochloric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package**Gold(III) chloride trihydrate**• Oro (III) cloruro triidrato • Or (III) chlorure acide trihydraté • Oro tricloruro acido
• Goldenes (III) säurechloridtrihydrat**Synonym:**• Tetrachloroauric(III) acid
• Hydrogen tetrachloroaurate(III)HAuCl₄·3H₂O
Molecular Weight: 393,83
CAS: 16961-25-4
EEC-N: 240-948-4**Classification transport**
ONU: 3260
Transport Hazard class: 8
Packing group II**Danger**H314-H317
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364**Gold(III) chloride trihydrate > RPE - For analysis - ACS**

RPE

Description Orange crystalline powder Insol.in Diethyl ether..... ≤ 0.1 % Titolo (Au) ≥ 49.0 %
Identification Positive Metalli (SO4)..... ≤ 0.2 %

Code	Size	Packaging	Notes
467007	1 g	Glass ampoule	



Gram-Hucker Kit

• Kit Gram-Hucker • Kit Gram-Hucker • Kit Gram-Hucker • Gram-Hucker Kit

Classification transport

ONU: 1987
Transport Hazard class: 3
Packing group II



Danger

H225-H272-H290-H300-H310-H330-H314-H351-H361d-H371-H373-H304-H410-HEU071-HEU210-P210-P280-P284-P301+P310a-P301+P330+P331-P303+P361+P353-P304+P340-P305+P351+P338-P320-P361+P364-P403+P233

Gram - Hucker Kit > RS - For bacteriology

RS

Description Identification Positive

Code	Size	Packaging	Notes
454441	4 x 250 ml	Carton box	In Vitro Diagnostic Medical Device

Dye. Contains ethanol. 4 bottles of 250 ml. 1x 477241 Safranin T, 1x 458751 Lugol, 1x 444131 Differentiator 1x 491561 Violet oxalate



Griess' reagent

• Griess reattivo soluzione in acido acetico • Réactif de Griess • Griess reattivo soluzione en acido acético • Griess Reagenz

Classification transport

ONU: 3265
Transport Hazard class: 8
Packing group II



Danger

H314-HEU208
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Griess' reagent > RS - For nitrite detection

RS

Description Clear pinkish liquid Identification Positive

Code	Size	Packaging	Notes
454481	1 l	Glass bottle	



Griess' reagent A

• Griess reagente A • Réactif A de Griess • Griess reattivo A • Griess Reagenz A

Synonym:

- 4-Aminobenzenesulfonic acid
- Aniline-4-sulfonic acid

Molecular Weight: 173,19

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Danger

H314-HEU208
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Griess' reagent A > RS - For nitrite detection

RS

Description Clear pinkish liquid Identification Positive Nitrite sensitivity ≥ 1 mcg/ml

Code	Size	Packaging	Notes
454452	500 ml	Glass bottle	



Griess' reagent B

• Griess reagente B • Réactif B de Griess • Griess reattivo B • Griess Reagenz B

Classification transport

ONU: 3265
Transport Hazard class: 8
Packing group II



Danger

H314
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Griess' reagent B > RS - For nitrite detection

RS

Description Clear pinkish liquid Identification Positive Nitrite sensitivity ≥ 1 mcg/ml

Code	Size	Packaging	Notes
454462	500 ml	Glass bottle	



Gum arabic

• Gomma arabica • Gomme arabique • Goma arábica • Gummi arabisch

Synonym:
Acacia gum

CAS: 9000-01-5
EEC-N: 232-519-5



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Gum arabic > ERBApharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White-yellowish granules	Starch and Dextrins	Conform Ph.Eur.	Total ash.....	≤ 4.0 %	Escherichia coli	Absent Ph.Eur.
Identification	Positive	Saccharose and fructose	Conform Ph.Eur.	Microbial tests		Salmonella.....	Absent Ph.Eur.
Agar and tragacanth.....	Conform Ph.Eur.	Tannin	Conform Ph.Eur.	TAMC.....	≤ 10000 CFU/g		
Agar and sterculia	Conform Ph.Eur.	Loss on drying	≤ 10.0 %	TYMC	≤ 100 CFU/g		

Code	Size	Packaging	Notes
347107	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

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Haemalum solution according to Carazzi

- Emallume reattivo soluzione secondo Carazzi • Hemalun en solution selon Carazzi • Emalume reactivo solución según Carazzi
- Hemalun in Lösung nach Carazzi

HEU210

Haemalum solution according to Carazzi > RS - For histology

RS

Description Liquido rosso-bruno Identification Positive Density at 20°C 1.086 ÷ 1.090 pH of the substance 2.1 ÷ 2.3

Code	Size	Packaging	Notes
434351	250 ml	Glass bottle	In Vitro Diagnostic Medical Device



Haemalum solution according to Mayer

- Emallume reattivo secondo Mayer • Hemalun en solution selon Mayer • Emalume reactivo solución según Mayer • Hemalun in Lösung nach Mayer



Warning

H302-H371

P260-P264-P270-P301+P312a-P330-P501a

Haemalum solution according to Mayer > RS - For histology

RS

Description Clear purple liquid Identification Positive Assorbanza a 560 nm ≥ 0.80

Code	Size	Packaging	Notes
446372	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
446377	1 l	Plastic bottle	In Vitro Diagnostic Medical Device



Hafnium standard solution

- Afnio standard soluzione • Hafnium solution standard • Hafnio, solución patrón • Hafnium-Standardlösung

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group III



Hafnium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505642	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505645	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Hafnium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504221	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504223	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504225	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504227	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Hafnium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507741	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507506	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Hanus's reagent**

• Hanus reattivo • Réactif de Hanus • Hanus reactivo • Hanus-Reagenz

Classification transportONU: 2920
Transport Hazard class: 8
Packing group II**Danger**H226-H314-H373
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Hanus's reagent > RS - For detection of iodine index****RS**Description Brown red liquid Identification Positive Iodine value ≥ 90

Code	Size	Packaging	Notes
E454872	1 l	Glass bottle	

Hartshorn salt ▶ Ammonium carbonate**Heavy water ▶ Deuterium oxide-d2****Hematoxylin**

• Ematossilina • Hématoxyline • Hematoxilina • Hämatoxylin

Synonym:
Natural Black 1 $C_{16}H_{14}O_6$
Molecular Weight: 302,29
CAS: 517-28-2
EEC-N: 208-237-3**Warning**H302-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233**Hematoxylin > RS - For microscopy - C.I. 75290****RS**Description Brown powder Loss on drying 4 - 8 % Alcohol solubility Conform
Identification Positive Assay ≥ 75 % Melting point ~ 140 °C

Code	Size	Packaging	Notes
446472	25 g	Glass bottle	
446473	100 g	Glass bottle	
446475	1 kg	Plastic bottle	

Dye for cytology**Hematoxylin solution according to Mayer**• Ematossilina soluzione secondo Mayer • Hématoxyline en solution selon Mayer
• Hematoxilina solución según Mayer • Hämatoxylinlösung nach MayerSynonym:
Natural Black 1 $C_{16}H_{14}O_6$
Molecular Weight: 302,29
CAS: 517-28-2

HEU210

Hematoxylin solution according to Mayer > RS - For histology**RS**

Description Red-violet liquid Identification Positive

Code	Size	Packaging	Notes
460511	100 ml	Bottle	In Vitro Diagnostic Medical Device
460512	6 x 100 ml	Bottle	In Vitro Diagnostic Medical Device
460513	1 l	Bottle	In Vitro Diagnostic Medical Device
460515	6 x 1 l	Bottle	In Vitro Diagnostic Medical Device



Heptafluorobutyric acid

• Acido eptafluorobutirrico • Acide heptafluorobutyrique • Acido heptafluorobutirico • Perfluorbuttersäure

CF₃(CF₂)₂COOH
Molecular Weight: 214,04
CAS: 375-22-4
EEC-N: 206-786-3

Classification transport
ONU: 3265
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Heptafluorobutyric acid > RPE - For analysis

RPE

Description Colourless liquid Density at 20° C 1.64 ÷ 1.65 Assay (GC) ≥ 98 %
Identification Positive Boiling point 120 ÷ 121 ° C

Code	Size	Packaging	Notes
405451	10 ml	Glass bottle	

For derivatization



n-Heptane 99%

• n-Eptano 99% • n-Heptane 99% • n-Heptano 99% • n-Heptan 99%

CH₃(CH₂)₅CH₃
Molecular Weight: 100,21
CAS: 142-82-5
EEC-N: 205-563-8

Classification transport
ONU: 1206
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H304-H410
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

n-Heptane 99% > RS - For HPLC - Isocratic Grade

RS

Description Clear colourless liquid Water (K.F.) ≤100 ppm at 200 nm ≥20 % At 250 nm ≥ 98 %
Identification Positive Residue on evaporation ≤5 ppm at 210 nm ≥55 % at 260 nm ≥98 %
Density at 20° C 0.681 ÷ 0.687 Acidity or alkalinity ≤0.00015 meq/g at 220 nm ≥80 % Aromatic compounds ≤ 5 ppm
Refractive index at 20°C. 1.3836 ÷ 1.3916 Assay (GLC) ≥99.2 % at 230 nm ≥92 %
Boiling point 97.9 ÷ 98.9 ° C U.V. Transmittance at 240 nm ≥96 %

Code	Size	Packaging	Notes
412591000	1 l	Glass bottle	
412592000	2.5 l	Glass bottle	

n-Heptane 99% > RS - PESTIPUR - For pesticide analysis

RS

Description Clear liquid Water ≤ 0.005 % GC-ECD (Lindano) ≤ 3 ng/l Ret.range 1,2,4-trichlorobenzene
Identification Positive Free acids (HCOOH) ≤ 10 ppm Assay (GLC) ≥ 99 % to decachlorobiphenyle
Colour ≤ 10 APHA Non volatile residue ≤ 5 mg/Kg Total sulphur (S) ≤ 5 ppm

Code	Size	Packaging	Notes
446951	1 l	Glass bottle	
446952	2.5 l	Glass bottle	

n-Heptane 99% > RS - SPECTROSOL - For optical spectroscopy

RS

Description Clear liquid Refractive index at 20°C. 1.3836 ÷ 1.3916 Alkalinity ≤0.0002 meq/g at 210 nm ≥50 %
Colour (APHA) ≤10 Boiling point 97.9 ÷ 98.9 ° C Aromatic compounds ≤5 ppm at 220 nm ≥80 %
Identification Positive Water (K.F.) ≤100 ppm Assay (GLC) ≥99 % at 230 nm ≥92 %
Colour ≤ 10 Hazen Residue on evaporation ≤5 ppm U.V. Transmittance at 250 nm ≥98 %
Density at 20° C 0.681 ÷ 0.687 Acidity ≤0.0005 meq/g at 200 nm ≥20 %

Code	Size	Packaging	Notes
446824	1 l	Glass bottle	
P0502721	2.5 l	Glass bottle	

n-Heptane 99% > RS - Anhydrous - For analysis**RS**

Refractive index at 20°C..... 1.386 - 1.390	Colour ≤ 10 Hazen	Free acid (as CH ₃ COOH)..... ≤ 10 mg/Kg	Density d ₂₀ /4 0.681 - 0.687
Water content (K.F.)..... ≤ 50 mg/Kg	Assay (GC)..... ≥ 99 %	Identification (IR)..... Conform	Total sulphur (S) ≤ 5 ppm
Non volatile residue..... ≤ 10 mg/Kg	Aromatic compounds..... ≤ 50 mg/Kg	Clear, colourless liq. appearance..... Conform	

Code	Size	Packaging	Notes
P0501016	1 l	Glass bottle	
P0501021	2.5 l	Glass bottle	

n-Heptane 99% > RPE - For analysis**RPE**

Description Clear liquid	Ready carbonizable substances..... Conform	Residue on evaporation ≤ 10 ppm	Aromatic compounds..... ≤ 50 ppm
Colour (APHA) ≤ 10	Density at 20° C 0.681 ÷ 0.687	Subst. reducing KMnO ₄ ≤ 20 ppm(5m)	Acidity (acetic acid)..... ≤ 10 ppm
Identification Conform	Refractive index at 20°C. 1.3836 ÷ 1.3916	Tiophene ≤ 10 ppm	
Chloroform miscibility Complete	Boiling point..... 97.4 ÷ 99.4 ° C	Total sulphur ≤ 5 ppm	
Diethyl ether miscib..... Complete	Water (K.F.)..... ≤ 100 ppm	Assay (GLC) ≥ 99.0 %	

Code	Size	Packaging	Notes
446787	1 l	Glass bottle	
446785	2.5 l	Glass bottle	
446781	5 l	Aluminium can	
446783	5 l	Plastic tank	
446782	18 kg	Metal drum	
446789	135 kg	Metal drum	
446788	200 l	Metal drum	

n-Heptane 99% > RE - Pure**RE**

Description Clear colourless liquid	Density at 20° C 0.679 ÷ 0.689	Water (K.F.)..... ≤ 150 ppm	Total sulphur ≤ 5 ppm
Identification Positive	Refractive index at 20°C. 1.3826 ÷ 1.3926	Residue on evaporation ≤ 20 ppm	Assay (GC)..... ≥ 99 %
Colour ≤ 10 APHA	Boiling point..... 97.4 ÷ 99.4 ° C	Acidità (ac. acetico) ≤ 10 ppm	Aromatic compounds..... ≤ 50 ppm

Code	Size	Packaging	Notes
339381	1 l	Glass bottle	
339385	2.5 l	Glass bottle	
339382	5 l	Aluminium can	
528224	5 l	Plastic tank	
528228	10 l	Metal tank	
339386	18 kg	Metal drum	
528225	25 l	Metal drum	
528226	200 l	Metal drum	

n-Heptane 99% > RE - ASTM**RE**

Description Clear colourless liquid	Refractive index at 20°C. 1.3826 ÷ 1.3926	Residue on evaporation ≤ 20 ppm	n-heptane (ASTM) ≥ 99.75 % v/v
Identification Positive	Boiling point..... 97.4 ÷ 99.4 ° C	Lead..... ≤ 0.002 g/gal	Assay (GC)..... ≥ 99.5 %
Density at 20° C 0.679 ÷ 0.689	Water (K.F.)..... ≤ 150 ppm	Isooctane (ASTM) ≤ 0.10 % v/v	

Code	Size	Packaging	Notes
524263	5 l	Plastic tank	
524265	25 l	Metal drum	
524267	200 l	Metal drum	

Suitable for ASTM methods D2700 and D2699



n-Heptane

• n-Eptano • n-Heptane • n-Heptano • n-Heptan

CH₃(CH₂)₅CH₃
Molecular Weight: 100,21
CAS: 142-82-5
EEC-N: 205-563-8

Classification transport
ONU: 1206
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H304-H410
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

n-Heptane > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Water (K.F.)	≤ 100 ppm	U.V. Transmittance	At 250 nm	≥ 98 %	
Identification	Positive	Residue on evaporation	≤ 5 ppm	at 200 nm	≥ 20 %	Aromatic compounds.....	≤ 10 ppm
Density at 20° C	0.681 - 0.687	Acidity or alkalinity.....	≤ 0.00015 meq/g	at 210 nm	≥ 45 %		
Refractive index at 20°C.....	1.386 - 1.390	Assay (GLC)	≥ 95 %	at 220 nm	≥ 80 %		

Code	Size	Packaging	Notes
446831	1 l	Glass bottle	
446832	2.5 l	Glass bottle	

n-Heptane > RE - Pure

RE

Description	Clear colourless liquid	Identification	Positive	Water (K.F.)	≤ 100 ppm	Benzene	≤ 10 ppm
Colour	≤ 10 APHA	Residue on evaporation	≤ 10 ppm	Assay (GLC)	≥ 95.0 %	Aromatics	≤ 100 ppm

Code	Size	Packaging	Notes
508212	1 l	Glass bottle	
508215	5 l	Plastic tank	
508216	25 l	Metal drum	
508217	200 l	Metal drum	



Heptane mixture of isomers

• Eptano miscela di isomeri • Heptane mélange d'isomères • Heptano mezcla de isómero • Heptan Isomerengemisch

CH₃(CH₂)₅CH₃
Molecular Weight: 100,21
CAS: 142-82-5
EEC-N: 927-510-4

Classification transport
ONU: 1206
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Heptane mixture of isomers > RS - PESTIPUR - For pesticide analysis

RS

Appearance	Clear colourless liquid	Density at 15°C	690 - 725 g/l	Aromatic compounds.....	≤ 100 mg/Kg	Retention time trichlorobenzene to mirex	
Refractive index at 20°C.....	1.387 - 1.407	Colour	≤ 10 Hazen	Non volatile residue	≤ 5 mg/Kg	Ret.range 1,2,4-trichlorobenzene	
Water content (K.F.)	≤ 50 mg/Kg	Distillation range	85 - 105 °C	GC-ECD.Individual peak (Lindane) ..	≤ 3 ng/l	to decachlorobiphenyle	

Code	Size	Packaging	Notes
446841	1 l	Glass bottle	
446842	2.5 l	Glass bottle	

For chlorinated compounds analysis

Heptane mixture of isomers > RPE - For analysis

RPE

Appearance	Clear colourless liquid	Refractive index at 20°C.....	1.387 - 1.407	End/initial boiling points difference	≤ 10 °C	Aromatic compounds.....	≤ 100 mg/Kg
Identification	Conform	Density at 15°C	690 - 725 g/l	Water content (K.F.)	≤ 100 mg/Kg	n-hexane	None %
Colour	≤ 10 Apha	Distillation range	85 - 105 °C	Non volatile residue	≤ 10 mg/Kg	Toluene.....	None mg/Kg

Code	Size	Packaging	Notes
524381	5 l	Plastic tank	

Heptane mixture of isomers > RE - Pure**RE**

Description	Clear liquid	Refractive index at 20°C	1,3870 ÷ 1,4070	Water (K.F.)	≤ 150 ppm
Identification	Positive	Density at 15°C	0.690 ÷ 0.725	Residue on evaporation	≤ 100 ppm
Colour	≤ 10 APHA	Boiling point	85 ÷ 105 °C	Aromatics (Thiophene)	≤ 200 ppm

Code	Size	Packaging	Notes
528245	5 l	Plastic tank	
528246	25 l	Metal drum	
528247	200 l	Metal drum	

**1-Heptanesulphonic acid sodium salt**

- Acido 1-eptansolfonico sale sodico • Acide 1-heptanesulfonique sel sodique
- Acido 1-heptanosulfónico sal sódica • 1-Heptansulfonsäure-Natriumsalz

Synonym:
Sodium 1-heptanesulfonate

$C_7H_{15}O_3SNa$
Molecular Weight: 202,25
CAS: 22767-50-6
EEC-N: 245-210-5

1-Heptanesulphonic acid sodium salt > RS - For ion pair chromatography**RS**

Description	White crystalline powder	Assay	≥ 99 %	at 210 nm	≤ 0.05 AU	at 240 nm	≤ 0.01 AU
Identification	Positive	Assorbanza (Sol. 0.25M)		at 220 nm	≤ 0.04 AU	at 250 nm	≤ 0.01 AU
Loss on drying	≤ 2 %	at 200 nm	≤ 0.1 AU	at 230 nm	≤ 0.03 AU	at 260 nm	≤ 0.01 AU

Code	Size	Packaging	Notes
405851	25 g	Glass bottle	
405852	100 g	Plastic bottle	

**Hexachloroplatinic acid hexahydrate**

- Acido esacloroplatinico esaidrato • Acide hexachloroplatinique hexahydraté
- Acido hexacloroplatinico hexahidrato • Hexachloroplatinsäure-Hexahydrat

Synonym:
Chloroplatinic acid hexahydrate

$H_2PtCl_6 \cdot 6H_2O$
Molecular Weight: 517,92
CAS: 18497-13-7
EEC-N: 241-010-7

**Danger**

H315-H319-H334-H317
P261-P284-P304+P340-P305+P351+P338-
P337+P313-P342+P311a

Hexachloroplatinic acid hexahydrate > RPE - For analysis**RPE**

Description	Red-orange mass	Identification	Positive	Tracce tot. di metalli	≤ 0.1 %	Assay	38 ÷ 40 % Pt
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Code	Size	Packaging	Notes
470017	1 g	Glass bottle	

**Hexadecane**

- Esadecano • Hexadécane • Hexadecano • Hexadecan

Synonym:
Cetane

$C_{16}H_{34}$
Molecular Weight: 226,44
CAS: 544-76-3
EEC-N: 208-878-9

**Danger**

H304
P301+P310a-P331-P405-P501a

Hexadecane > RE - Pure**RE**

Appearance	Clear colourless liquid	Identification	Conform	Assay (GC)	≥ 99 %
Colour	≤ 10 Hazen	Refractive index at 20°C	1.433 - 1.437		

Code	Size	Packaging	Notes
P0853016	1 l	Glass bottle	

1-Hexadecanol ▶ Cetyl alcohol**Hexadecyltrimethylammonium bromide ▶ Trimethylcetylammmonium bromide**

Hexafluoro-2-propanol
 • Esafluoro-2-propanolo • Hexafluoro-2-Propanol • Hexafluoro-2-Propanol • Hexafluor-2-propanol

Synonym:
 • Hexafluoroisopropanol
 • HFP

$C_3H_2F_6O$ Molecular Weight: 168,04 CAS: 920-66-1 EEC-N: 213-059-4	Classification transport ONU: 3265 Transport Hazard class: 8 Packing group II		Danger H302-H312-H332-H314 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338-P362+P364
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Hexafluoro-2-propanol > RPE - For analysis

RPE

Identification (IR)..... Conform Colour ≤ 10 Hazen Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P6080503	100 ml	Glass bottle	
P6080518	500 ml	Glass bottle	

Hexahydrotoluene ► Methylcyclohexane

Hexamethyldisilazane
 • Esametildisilazano • Hexaméthylidisilazane • Hexametildisilazano • Hexamethyldisilazan

Synonym:
 HMDS

$(CH_3)_3SiNHSi(CH_3)_3$ Molecular Weight: 161,4 CAS: 999-97-3 EEC-N: 213-668-5	Classification transport ONU: 3286 Transport Hazard class: LQ		Danger H225-H302-H311-H315-H319-H335 P210-P280-P303+P361+P353-P304+P340- P305+P351+P338-P403+P233
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Hexamethyldisilazane > RPE - For analysis

RPE

Description Clear liquid Identification Positive Assay (GLC) ≥ 97.5 %
 Colour ≤ 10 APHA Refractive index at 20°C 1.4060 ÷ 1.4090

Code	Size	Packaging	Notes
446731	25 ml	Glass bottle	

For derivatization

Hexamethylenetetramine
 • Esametilentetrammina • Hexaméthylènetétramine • Hexametilentetramina • Hexamethylentetramin

Synonym:
 • 1,3,5,7-Tetraazatricyclo[3.3.1.1^{3,7}]decane
 • Hexamine

$(CH_2)_6N_4$ Molecular Weight: 140,19 CAS: 100-97-0 EEC-N: 202-905-8	Classification transport ONU: 1328 Transport Hazard class: 4.1 Packing group III		Warning H228-H317 P210-P241-P261-P280-P333+P313-P501a
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Hexamethylenetetramine > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description colourless/white crystalline powder Identification Positive Ash ≤ 0.02 % Loss on drying 130°C ≤ 2 %
 Water (K.F) ≤ 0.5 % Assay (alkalimetric) ≥ 99.0 % Heavy metals (Pb) ≤ 10 ppm

Code	Size	Packaging	Notes
446875	250 g	Plastic bottle	
446876	1 kg	Plastic bottle	



n-Hexane 99%

• n-Esano 99% • n-Hexane 99% • n-Hexano 99% • n-Hexan 99%

CH₃(CH₂)₄CH₃
Molecular Weight: 86,18
CAS: 110-54-3
EEC-N: 203-777-6

Classification transport
ONU: 1208
Transport Hazard class: 3
Packing group II



Danger

H225-H315-H361f-H336-H373-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

n-Hexane 99% > RS - For HPLC - Isocratic Grade

RS

Clear, colourless liq. appearance Conform
Identification Conform
Colour ≤ 10 Apha
Refractive index at 20°C 1.373 - 1.377
Water content (K.F.) ≤ 150 mg/Kg
Aromatic compounds ≤ 5 mg/Kg
UV transmittance at 210 nm ≥ 50 %
UV transmittance at 220 nm ≥ 80 %
UV transmittance at 230 nm ≥ 90 %
UV transmittance at 245 nm ≥ 98 %
Non volatile residue ≤ 5 mg/Kg
Assay (GC) ≥ 99 %
Total sulphur (S) ≤ 5 ppm

Code	Size	Packaging	Notes
412691	1 l	Glass bottle	
412692	2.5 l	Glass bottle	

n-Hexane 99% > RS - For GC-MS

RS

Appearance Clear colourless liquid
Refractive index at 20°C 1.373 - 1.377
Water (K.F.) ≤ 50 ppm
Residue on evaporation ≤ 2 ppm
Colour ≤ 10 APHA
Assay (GC) ≥ 99.0 %
GC-MS Individual peak (n-hexadecane) ≤ 2 µg/L
Ret.range n-undecane to n-tetracontane (scanning area 30-600amu)

Code	Size	Packaging	Notes
447212	1 l	Glass bottle	

n-Hexane 99% > RS - ATRASOL - For traces analysis

RS

Appearance Clear colourless liquid
Refractive index at 20°C 1.373 - 1.377
Water content (K.F.) ≤ 50 mg/Kg
Colour ≤ 5 Hazen
Assay (GC) ≥ 99 %
Non volatile residue ≤ 2 mg/Kg
GC (FID) - NC Atrasol Conform
GC-ECD Individual peak (CCl₄) ≤ 1 µg/l
Ret.range dichloromethane to 1,2,4-trichlorobenzene
GC-ECD Individual peak (Lindane) ≤ 2 ng/L
Ret.range 1,2,4-trichlorobenzene to decachlorobiphenyle
GC-FID Individual peak (n-hexadecane) ≤ 2 µg/L
Ret.range n-undecane to n-tetracontane

Code	Size	Packaging	Notes
P052323016	1 l	Glass bottle	
P052323021	2.5 l	Glass bottle	

n-Hexane 99% > RS - PESTIPUR - For pesticide analysis

RS

Description Clear liquid
Identification Positive
Colour ≤ 10 hazen
Assay (GLC) ≥ 99 %
Not volatile residue ≤ 2 mg/kg
Water ≤ 100 mg/kg
GC-ECD (Lindane standard) ≤ 3 ng/l
GC-NPD (Ethylparathion standard) ≤ 3 ng/l

Code	Size	Packaging	Notes
447111	1 l	Glass bottle	
447112000	2.5 l	Glass bottle	

n-Hexane 99% > RS - SPECTROSOL - For optical spectroscopy

RS

Clear, colourless liq. appearance Conform
Identification Conform
Colour ≤ 10 Apha
Refractive index at 20°C 1.373 - 1.377
Water content (K.F.) ≤ 150 mg/Kg
Total sulphur (S) ≤ 5 ppm
Aromatic compounds ≤ 5 mg/Kg
Non volatile residue ≤ 5 mg/Kg
Assay (GC) ≥ 99 %
UV transmittance at 210 nm ≥ 60 %
UV transmittance at 215 nm ≥ 70 %
UV transmittance at 220 nm ≥ 80 %
UV transmittance at 230 nm ≥ 94 %
UV transmittance at 245 nm ≥ 98 %

Code	Size	Packaging	Notes
447051	1 l	Glass bottle	
447052	2.5 l	Glass bottle	

n-Hexane 99% > RS - Anhydrous - For HPLC

RS

Refractive index at 20°C 1.373 - 1.377
Water content (K.F.) ≤ 50 mg/Kg
Colour ≤ 10 Hazen
Aromatic compounds ≤ 5 mg/Kg
UV transmittance at 210 nm ≥ 50 %
UV transmittance at 220 nm ≥ 80 %
UV transmittance at 230 nm ≥ 90 %
UV transmittance at 245 nm ≥ 98 %
Non volatile residue ≤ 5 mg/Kg
Assay (GC) ≥ 99 %
Total sulphur (S) ≤ 5 ppm

Code	Size	Packaging	Notes
P05230S01/16	1 l	Glass bottle	
P05230S01/21	2.5 l	Glass bottle	

n-Hexane 99% > RPE - For analysis

RPE

Description	Clear colourless liquid	Non volatile residue	≤ 10 mg/Kg	Water (K.F.)	≤ 100 ppm	Total sulphur (S)	≤ 5 ppm
Water content (K.F.)	≤ 100 mg/Kg	Colour	≤ 10 APHA	Assay (GC)	≥ 99 %	Residue on evaporation	≤ 10 ppm
Identification	Positive	Refractive index at 20°C	1.373 ÷ 1.377	Aromatic compounds	≤ 10 ppm	Assay (CPG)	≥ 99 %

Code	Size	Packaging	Notes
447041	1 l	Glass bottle	
447042	2.5 l	Glass bottle	
P052053068	200 l	Metal drum	

n-Hexane 99% > RE - Pure

RE

Description	Clear liquid	Density at 20°C	0.658 ÷ 0.662	Residue on evaporation	≤ 20 ppm	Total sulphur	≤ 5 ppm
Colour	≤ 10 APHA	Refractive index at 20°C	1.373 ÷ 1.377	Water (K.F.)	≤ 150 ppm	Assay (GLC)	≥ 99 %
Identification	Positive	Boiling point	68.2 ÷ 69.2 °C	Bromine rating	≤ 1	Aromatic compounds	≤ 50 ppm

Code	Size	Packaging	Notes
528950	5 l	Plastic tank	
528951	25 l	Metal drum	
528952	200 l	Metal drum	



n-Hexane

• n-Esano • n-Hexane • n-Hexano • n-Hexan

CH₃(CH₂)₄CH₃
 Molecular Weight: 86,18
 CAS: 110-54-3
 EEC-N: 203-777-6

Classification transport
 ONU: 1208
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H361f-H336-H373-H304-H411
 P210-P241-P280-P303+P361+P353-P304+P340-
 P403+P233

n-Hexane > RS - For HPLC - Isocratic grade - Reag.Ph.Eur.

RS

Description	Clear colourless liquid	Residue on evaporation	≤ 2 ppm	at 230 nm	≥ 92 %	Density at 20°C	0.659 - 0.663
Identification	Positive	Acidity or alkalinity	≤ 0.00015 meq/g	at 240 nm	≥ 95 %	UV Absorbance from 260 nm to 420 nm	≤ 0.01 AU
Density at 25° C	≥ 0.662	Assay (GLC)	≥ 96 %	At 245 nm	≥ 98 %		
Refractive index at 20°C	1.3750 ÷ 1.3760	U.V. Transmittance		at 250 nm	≥ 99 %		
Boiling point	67 - 69 °C	at 210 nm	≥ 50 %	Aromatic compounds	≤ 10 ppm		
Water (K.F.)	≤ 100 ppm	at 220 nm	≥ 82 %	Total sulphur (S)	≤ 5 ppm		

Code	Size	Packaging	Notes
412601000	1 l	Glass bottle	
412602000	2.5 l	Glass bottle	

n-Hexane > RS - ATRASOL - For trace analysis, Suitable for Hydrocarbon index determination

RS

Appearance	Clear colourless liquid	Refractive index at 20°C	1.373 - 1.377	Assay (GC)	≥ 96.5 %	GC-ECD. Individual peak (Lindane)	≤ 2 ng/l
Identification	Conform	Colour	≤ 5 Hazen	Non volatile residue	≤ 2 mg/Kg	GC-FID. Individual peak (C10-C40)	≤ 2 µg/l
Density d20/4	0.655 - 0.665	Water content (K.F.)	≤ 50 mg/Kg	GC-FID. Hydrocarbon oil index	≤ 0.05 mg/l	to decachlorobiphenyle	

Code	Size	Packaging	Notes
P0523216	1 l	Glass bottle	
P0523221	2.5 l	Glass bottle	

According to NF-EN-ISO9377-2 for hydrocarbon index determination

n-Hexane > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear liquid	Refractive index at 20° C	1.373 ÷ 1.377	GC-ECD (Lindano)	≤ 3 ng/l
Identification	Positive	Water (K.F.)	≤ 150 ppm	GC-NPD (Ethylparation)	≤ 3 ng/l
Colour	≤ 10 Hazen	Not volatile residue	≤ 5 ppm	Assay (GLC)	≥ 95 %

Code	Size	Packaging	Notes
447011	1 l	Glass bottle	
447012	2.5 l	Glass bottle	
447013	4 l	Glass bottle	

n-Hexane > RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

RS

Description	Clear liquid	Acidity or alkalinity.....	≤0.00015 meq/g	Assay (GLC)	≥95 %	at 250 nm	≥99 %
Colour (APHA)	≤10	Water (K.F.)	≤100 ppm	U.V. Transmittance		UV Absorbance from 260 nm to 420 nm..	≤ 0.01 AU
Density at 20°C	0.659 ÷ 0.663	Residue on evaporation	≤2 ppm	at 220 nm	≥82 %		
Refractive index at 20°C.....	1.375 ÷ 1.376	Aromatic compounds.....	≤5 ppm	at 230 nm	≥92 %		
Boiling point.....	67 ÷ 69 ° C	Total sulphur	≤5 ppm	at 240 nm	≥95 %		

Code	Size	Packaging	Notes
446934	1 l	Glass bottle	
446932	2.5 l	Glass bottle	

n-Hexane > RS - Anhydrous - For analysis

RS

Refractive index at 20°C.....	1.373 - 1.377	Colour	≤ 10 Hazen	Clear, colourless liq. appearance	Conform	Total sulphur (S)	≤ 5 ppm
Water content (K.F.)	≤ 50 mg/Kg	Assay (GC)	≥ 95 %	Identification (IR).....	Conform		
Non volatile residue.....	≤ 10 mg/Kg	Aromatic compounds.....	≤ 10 mg/Kg	Density d20/4	0.655 - 0.665		

Code	Size	Packaging	Notes
P0521016	1 l	Glass bottle	

n-Hexane > RPE - For analysis - ACS - Reag. Ph.Eur.

RPE

Description	Clear liquid	Density at 20°C	0.659 ÷ 0.663	Tiophene	Conform ACS	Assay (GLC)	≥95 %
Colour (APHA)	≤10	Refractive index at 20°C.....	1.375 ÷ 1.376	Total sulphur	≤ 5 ppm	Assay (hexan isomer+methylcyclopentane)≥	98.5 %
Identification	Positive	Distillation range	67 ÷ 69 ° C	Cu.....	≤0.01 ppm	Aromatic compounds.....	≤ 10 ppm
Alcohol miscibility.....	Complete	Water (K.F.)	≤100 ppm	Fe	≤0.1 ppm	Al	≤ 0.5 ppm
Diethyl ether miscib.....	Complete	Residue on evaporation	≤10 ppm	Ni	≤0.01 ppm		
Chloroform miscibility	Complete	Water-soluble titrable acid	≤0.0003 meq/g	Pb	≤0.01 ppm		
Ready carbonizable substances.....	Conform	Subst. reducing KMnO4.....	≤20 ppm (5m)	Zn	≤0.01 ppm		

Code	Size	Packaging	Notes
446907	1 l	Glass bottle	
446902	2.5 l	Glass bottle PVC coated	
446903	2.5 l	Glass bottle	
446901	5 l	Aluminium can	
446991	5 l	Plastic tank	
446905	18 kg	Metal drum	
446904	130 kg	Metal drum	

n-Hexane > RE - Pure

RE

Description	Clear colourless liquid	Refractive index at 20°C. 1.3699 ÷ 1.3799		Acidity (Caproic acid)	≤ 40 ppm	Total sulphur (S)	≤ 5 ppm
Identification	Positive	Boiling point.....	68.2 ÷ 69.2 °C	Assay (GLC)	≥ 95 %		
Tiophene	Conform	Water (K.F.)	≤ 100 ppm	Colour	≤ 10 APHA		
Density at 20° C	0.655 ÷ 0.665	Residue on evaporation	≤ 20 ppm	Aromatic compounds.....	≤ 50 ppm		

Code	Size	Packaging	Notes
339751	1 l	Glass bottle	
339755	2.5 l	Glass bottle	
339752	5 l	Plastic tank	
339756	18 kg	Metal drum	
339758	25 l	Metal drum	
339757	130 kg	Metal drum	
339759	200 l	Metal drum	



Hexane mixture of isomers

• Esano miscela di isomeri • Hexane mélange d'isomères • Hexano mezcla de isómeros • Hexan Isomerengemisch

CH₃(CH₂)₄CH₃
Molecular Weight: 86,18
CAS: 110-54-3
EEC-N: 925-292-5

Classification transport
ONU: 1208
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H361-H336-H373-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Hexane mixture of isomers > RS - For HPLC - Isocratic Grade

RS

Clear, colourless liq. appearance Conform Refractive index at 20°C 1.375 - 1.383 Total sulphur (S) ≤ 5 ppm UV transmittance at 250 nm ≥ 98 %
Identification Conform Water content (K.F.) ≤ 150 mg/Kg Non volatile residue ≤ 5 mg/Kg UV transmittance at 260 nm ≥ 98 %
Colour ≤ 10 Hazen Aromatic compounds ≤ 5 mg/Kg UV transmittance at 240 nm ≥ 94 %

Code	Size	Packaging	Notes
412632	1 l	Glass bottle	
412631	2.5 l	Glass bottle	

Hexane mixture of isomers > RS - PESTIPUR - For pesticide analysis

RS

Description Clear liquid Refractive index at 20° C 1.375 ÷ 1.383 GC-ECD (Lindano) ≤ 3 ng/l
Identification Positive Water (K.F.) ≤ 150 ppm GC-NPD (Ethylparation) ≤ 3 ng/l
Colour ≤ 10 Hazen Not volatile residue ≤ 5 ppm GC-ECD (CCl₄) ≤ 1 ng/l

Code	Size	Packaging	Notes
447181	1 l	Glass bottle	
447182	2.5 l	Glass bottle	

Hexane mixture of isomers > RPE - For analysis

RPE

Clear, colourless liq. appearance Conform Refractive index at 20°C 1.375 - 1.383 GC chromatogram Conform
Identification Conform Water content (K.F.) ≤ 100 mg/Kg Aromatic compounds ≤ 50 mg/Kg
Colour ≤ 10 Apha Non volatile residue ≤ 10 mg/Kg Total sulphur (S) ≤ 5 ppm

Code	Size	Packaging	Notes
446892	1 l	Glass bottle	
446891	2.5 l	Glass bottle	
446893	25 l	Metal drum	

Hexane mixture of isomers > RE - Pure

RE

Description Clear colourless liquid Density at 20° C 0.665 ÷ 0.675 Boiling point 63 ÷ 70 ° C Residue on evaporation ≤ 50 ppm
Water content (K.F.) ≤ 200 mg/Kg Colour ≤ 10 Hazen Total sulphur (S) ≤ 5 ppm Total sulphur ≤ 5 ppm
Identification Positive Refractive index at 20°C. 1.3750 ÷ 1.3850 Water (K.F.) ≤ 200 ppm
Non volatile residue ≤ 50 mg/Kg GC chromatogram Conform Aromatics ≤ 30 ppm

Code	Size	Packaging	Notes
339851	1 l	Glass bottle	
339852	2.5 l	Glass bottle	
528940	5 l	Plastic tank	
P0520040	10 l	Metal drum	
339856	18 kg	Metal drum	
528941	25 l	Metal drum	
528942	200 l	Metal drum	



1-Hexanesulphonic acid sodium salt

- Acido 1-esansolfonico sale sodico • Acide 1-hexanesulfonique sel sodique
- Acido 1-hexanosulfónico sal sódica • 1-Hexansulfonsäure-Natriumsalz

Synonym:
Sodium hexanesulfonate

$\text{CH}_3(\text{CH}_2)_5\text{SO}_3\text{Na}$
Molecular Weight: 188,22
CAS: 2832-45-3
EEC-N: 220-601-3



Danger

H315-H319-H334-H317
P261-P284-P304+P340-P305+P351+P338-
P337+P313-P342+P311a

1-Hexanesulphonic acid sodium salt > RS - For ion pair chromatography

RS

Description White crystalline powder	Absorbance (0,25M)	At 220 nm ≤ 0.04 AU	At 250 nm ≤ 0.01 AU
Water (K.F) ≤ 2.0 %	At 200 nm ≤ 0.1 AU	At 230 nm ≤ 0.03 AU	At 260 nm ≤ 0.01 AU
Assay ≥ 99.0 %	At 210 nm ≤ 0.05 AU	At 240 nm ≤ 0.01 AU	

Code	Size	Packaging	Notes
405621	25 g	Glass bottle	
405622	100 g	Plastic bottle	



1-Hexanesulphonic acid sodium salt monohydrate

- Acido 1-esansolfonico sale sodico monoidrato • Acide 1-hexanesulfonique sel sodique monohydrate
- Acido 1-hexanosulfónico sal sódica monohidrato • 1-Hexansulfonsäure-Natriumsalz-Monohydrat

Synonym:
Sodium 1-hexanesulfonate monohydrate

$\text{C}_6\text{H}_{13}\text{NaO}_3\text{S}\cdot\text{H}_2\text{O}$
Molecular Weight: 206,24
CAS: 207300-91-2

1-Hexanesulphonic acid sodium salt monohydrate > RS - For ion pair chromatography

RS

Description White crystalline powder	Absorbance (0,25M)	At 220 nm ≤ 0.03 AU	At 250 nm ≤ 0.01 AU
Loss on drying 7.0 - 9.0 %	At 200 nm ≤ 0.1 AU	At 230 nm ≤ 0.02 AU	
Assay ≥ 99.0 %	At 210 nm ≤ 0.05 AU	At 240 nm ≤ 0.01 AU	

Code	Size	Packaging	Notes
405921	25 g	Glass bottle	
405922	100 g	Plastic bottle	

Hexanoic acid ► n-Caproic acid



Histamine dihydrochloride

- Istamina bicloridrato • Histamine dichlorhydratée • Histamina diclorhidrato • Histamindihydrochlorid

Synonym:
2-(4-Imidazolyl)ethylamine dihydrochloride

$\text{C}_8\text{H}_{13}\text{N}_3\cdot 2\text{HCl}$
Molecular Weight: 184,07
CAS: 56-92-8
EEC-N: 200-298-4



Danger

H315-H319-H334-H317-H335
P261-P284-P304+P340-P305+P351+P338-
P342+P311a-P403+P233

Histamine dihydrochloride > RPE - For analysis

RPE

Description Yellowish crystalline powder	Loss on drying ≤ 0.5 %	Assay (non-aqueous medium) ≥ 98.5 %
Identification Positive	Residue on ignition ≤ 0.1 %	

Code	Size	Packaging	Notes
456851	10 g	Glass bottle	
456852	100 g	Glass bottle	



L-Histidine hydrochloride monohydrate

- L-Istidina monokloridato monoidrato • L-Histidine monochlorhydratée monohydraté
- L-Histidina monoklorhidrato monohidrat • L-Histidinmonohydrochloridmonohydrat

Synonym:

- L-Histidine monohydrochloride monohydrate
- L-alpha-Amino-beta-(4-imidazolyl)propanoic acid monohydrochloride

$C_8H_9N_3O_2 \cdot HCl \cdot H_2O$
Molecular Weight: 209,63
CAS: 5934-29-2

L-Histidine hydrochloride monohydrate > RPE - For analysis

RPE

Description	White or almost white crystalline powder	Sulfate	..... ≤ 300 ppm ppm	Heavy metals (Pb)	..... ≤ 10 ppm	pH sol. 5%	..... 3.0 ÷ 5.0
Identification	..... Positive	Ammonium	..... ≤ 200 ppm	Loss on drying	..... 7.0 ÷ 10.0 %	Assay (dried base)	..... 98.5 ÷ 101.0 %
		Fe	..... ≤ 10 ppm	Sulfated ashes	..... ≤ 0.1 %		

Code	Size	Packaging	Notes
456952	25 g	Glass bottle	
456951	500 g	Plastic bottle	



Histolemon

- Histolemon • Histolemon • Histolemon • Histolemon

Synonym:

- Orange oil
- Citrus sinensis

CAS: 8028-48-6

Classification transport

ONU: 2052
Transport Hazard class: 3
Packing group III



Danger

H226-H315-H317-H304-H410
P210-P241-P261-P280-P301+P310a-
P303+P361+P353

Histolemon > RS - For histology

RS

Description	..... Clear liquid	Identification	..... Positive	Assay (GLC)	..... ≥ 95 %
Colour (APHA)	..... ≤ 25	Density at 20° C	..... 0.835 ÷ 0.845		

Code	Size	Packaging	Notes
454911	1 l	Glass bottle	
454912	2.5 l	Glass bottle	
454915	5 l	Plastic tank	

Citrus based histological clearing agent



Holmium standard solution

- Olmio standard soluzione • Holmium solution standard • Holmio, solución patrón • Holmium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group II

Holmium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505657	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505658	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Holmium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504261	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504263	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504265	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504267	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Holmium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507742	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507507	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Holmium oxide

• Olmio ossido • Holmium oxyde • Holmio oxido • Holmiumoxid

Synonym:
Holmium(III) oxide

Ho₂O₃
Molecular Weight: 377,88
CAS: 12055-62-8
EEC-N: 235-015-3

Holmium oxide > RPE - For analysis

RPE

Description Yellowish powder Identification Positive Assay > 99.85 %

Code	Size	Packaging	Notes
466831	1 g	Glass bottle	



Holmium perchlorate in solution

• Olmio perclorato soluzione • Holmium perchlorate solution • Holmio perclorato solución • Holmiumperchloratlösung

Ho(ClO₄)₃
Molecular Weight: 481,3
CAS: 14017-54-0

Holmium perchlorate in solution > RS - For analysis according to Ph. Eur. Chap. 2.2.25

RS

Code	Size	Packaging	Notes
506473	100 ml	Glass bottle	

Holmium perchlorate in solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611043101	1 l	Glass bottle	Ref Ph.Eur 1043101



Hyamine 1622

• Hyamine 1622 • Hyamine 1622 • Hyamina 1622 • Hyamine 1622

Synonym:
• Benzethonium chloride
• (Diisobutylphenoxyethoxyethyl)dimethylbenzylammonium chloride

C₂₇H₄₂ClNO₂
Molecular Weight: 448,18
CAS: 121-54-0
EEC-N: 204-479-9

Classification transport
ONU: 2923
Transport Hazard class: 8
Packing group III



Danger
H301-H314-H410
P280-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338

Hyamine 1622 > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White powder Loss on drying ≤ 5 % Assay (argentimetric) ≥ 96.0 %
Identification Positive Melting point 158 ± 163 °C

Code	Size	Packaging	Notes
454921	100 g	Plastic bottle	



Hyamine 1622 solution 0.004M

• Hyamine 1622 soluzione 0.004M • Hyamine 1622 solution 0.004M • Hyamina 1622 solución 0.004M
• Hyamin 1622-Lösung 0.004M

Synonym:

• Benzethonium chloride
• (Diisobutylphenoxyethoxyethyl)dimethylbenzylammonium chloride

$C_{27}H_{42}ClNO_2$

Molecular Weight: 448,18

CAS: 121-54-0

Hyamine 1622 solution 0.004M > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613000901	100 ml	Plastic bottle	Ref Ph.Eur 3000900
613000900	1 l	Plastic bottle	Ref Ph.Eur 3000900

Hyamine 1622 solution 0.004M > RS - For anionic surfactants detection

RS

Description Clear colourless liquid Identification Positive Assay (at production) 0.0035 ÷ 0.0045 Mol/l

Code	Size	Packaging	Notes
E454972	1 l	Glass bottle	



Hydrazine dihydrochloride

• Idrazina dicloridrato • Hydrazine dichlorhydraté • Hidrazina diclorhidrato • Hydraziniumchlorid

Synonym:

Hydrazine dihydrochloride

$NH_2NH_2 \cdot 2HCl$

Molecular Weight: 104,97

CAS: 5341-61-7

EEC-N: 226-283-2

Classification transport

ONU: 3288

Transport Hazard class: 6.1

Packing group III



Danger

H301-H311-H331-H317-H350-H410-HA26

P261-P280-P304+P340-P308+P313-P330-

P361+P364-P403+P233

Hydrazine dihydrochloride > RPE - For analysis

RPE

Description White crystalline powder Water-insoluble matter ≤50 ppm Sulphate ≤10 ppm
Identification Positive Heavy metals (Pb) ≤5 ppm Fe ≤5 ppm
Melting point 193.5 ÷ 202.5 ° C Residue on ignition ≤100 ppm Assay (oxidimetric) ≥99 %

Code	Size	Packaging	Notes
455054	100 g	Plastic bottle	
455056	500 g	Plastic bottle	
455057	1 kg	Plastic bottle	



Hydrindantin

• Idrindantina • Hydrindantine • Hidrindantina • Hydrindantine

Synonym:

2,2',3,3',3'-Hexahydro-2,2'-biindan-1,1'-dione

$C_{18}H_{10}O_6 \cdot 2H_2O$

Molecular Weight: 358,26

CAS: 5950-69-6

EEC-N: 225-823-4



Warning

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

Hydrindantin > RPE - For analysis

RPE

Description Beige powder Identification Positive Melting point ≥ 240 °C Assay ≥ 95 %

Code	Size	Packaging	Notes
455291	5 g	Glass bottle	

**Hydriodic acid 57%**

• Acido iodidrico 57% • Acide iodhydrique 57% • Acido idriodico 57% • Jodwasserstoffsäure 57%

HI

Molecular Weight: 127,92

CAS: 10034-85-2

Classification transport

ONU: 1787

Transport Hazard class: 8

Packing group II

**Danger**

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Hydriodic acid 57% > RPE - For analysis - ACS**RPE**

Description	Dark red-brown solution	Free iodine (I)	≤ 7500 ppm	Sulfates	≤ 50 ppm
Identification	Positive	Heavy metals (Pb)	≤ 10 ppm	Fe	≤ 10 ppm
Chloride + bromide (Cl)	≤ 500 ppm	Residue on ignition	≤ 100 ppm	Phosphates	≤ 10 ppm

Code	Size	Packaging	Notes
406831	100 ml	Glass bottle	

Stabilized with ~1,5% of hypophosphorous acid**Hydrobromic acid 48%**

• Acido bromidrico 48% • Acide bromhydrique 48% • Acido bromhídrico 48% • Bromwasserstoffsäure 48%

HBr

Molecular Weight: 80,92

CAS: 10035-10-6

Classification transport

ONU: 1788

Transport Hazard class: 8

Packing group III

**Danger**

H314-H335

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338-P403+P233

Hydrobromic acid 48% > RPE - For analysis - ACS - ISO**RPE**

Description	Yellow clear liquid	Heavy metals (Pb)	≤ 5 ppm	Se	≤ 0.01 ppm	Zn	≤ 0.5 ppm
Identification	Positive	Residue on ignition	≤ 20 ppm	Assay (acidimetric)	47.0 - 49.0 %	Sulphated ash	≤ 0.005 %
Chloride	≤ 200 ppm	Sulphate	≤ 30 ppm	Cd	≤ 0.5 ppm		
Total phosphorus	≤ 2 ppm	As	≤ 0.5 ppm	Cu	≤ 0.5 ppm		
Iodide	≤ 20 ppm	Fe	≤ 1 ppm	Pb	≤ 0.5 ppm		

Code	Size	Packaging	Notes
402925	250 ml	Glass bottle	
402922	1 l	Bottle	

**Hydrochloric acid 50% v/v**

• Acido cloridrico 50% v/v • Acide chlorhydrique 50% v/v • Acido clorhídrico 50% v/v • Salzsäure 50% v/v

HCl

Molecular Weight: 36,46

CAS: 7647-01-0

EEC-N: 231-595-7

Classification transport

ONU: 1789

Transport Hazard class: 8

Packing group II

Hydrochloric acid 50% v/v > RPE - For analysis**RPE**

Code	Size	Packaging	Notes
504571	1 l	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



Hydrochloric acid 37%

• Acido cloridrico 37% • Acide chlorhydrique 37% • Acido clorhidrico 37% • Salzsäure 37%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group II



Danger
H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Hydrochloric acid 37% > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527601	1 l	Plastic bottle	
527600	2.5 l	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

Hydrochloric acid 37% > RS - RSE - For electronic use

RS

Description	Clear liquid	Sulphite	≤0.5 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Ag	≤0.02 ppm	Cu	≤0.005 ppm	Pb	≤0.05 ppm
Identification	Positive	Al	≤0.05 ppm	Fe	≤0.1 ppm	Pt	≤0.05 ppm
Assay (acidimetric)	≥36.5 %	As	≤0.005 ppm	Ga	≤0.02 ppm	Sb	≤0.005 ppm
Density at 20° C	1.183 ÷ 1.189	Au	≤0.05 ppm	Hg	≤0.1 ppm	Sn	≤0.02 ppm
Ammonium	≤1 ppm	B	≤0.02 ppm	In	≤0.02 ppm	Sr	≤0.02 ppm
Bromide	≤2 ppm	Ba	≤0.05 ppm	K	≤0.1 ppm	Ta	≤0.1 ppm
Free chlorine	≤0.5 ppm	Be	≤0.02 ppm	Li	≤0.02 ppm	Ti	≤0.05 ppm
Phosphate	≤0.1 ppm	Bi	≤0.02 ppm	Mg	≤0.1 ppm	Tl	≤0.05 ppm
Heavy metals (Pb)	≤0.1 ppm	Ca	≤0.5 ppm	Mn	≤0.01 ppm	V	≤0.05 ppm
Residue on ignition	≤2 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm	Zn	≤0.02 ppm
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Na	≤0.5 ppm	Zr	≤0.05 ppm

Code	Size	Packaging	Notes
403977	1 l	Glass bottle	
403971	2.5 l	Glass bottle	
403974	25 kg	Drum	

Hydrochloric acid 37% > RS - MOS - For electronic use

RS

Description	Clear liquid	Sulphite	≤0.5 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Ag	≤0.02 ppm	Cu	≤0.005 ppm	Pb	≤0.05 ppm
Identification	Positive	Al	≤0.05 ppm	Fe	≤0.1 ppm	Pt	≤0.05 ppm
Assay (acidimetric)	≥36.5 %	As	≤0.005 ppm	Ga	≤0.02 ppm	Sb	≤0.005 ppm
Density at 20° C	1.183 ÷ 1.189	Au	≤0.05 ppm	Hg	≤0.1 ppm	Sn	≤0.02 ppm
Ammonium	≤1 ppm	B	≤0.02 ppm	In	≤0.02 ppm	Sr	≤0.02 ppm
Bromide	≤2 ppm	Ba	≤0.05 ppm	K	≤0.1 ppm	Ta	≤0.1 ppm
Free chlorine	≤0.5 ppm	Be	≤0.02 ppm	Li	≤0.02 ppm	Ti	≤0.05 ppm
Phosphate	≤0.1 ppm	Bi	≤0.02 ppm	Mg	≤0.1 ppm	Tl	≤0.05 ppm
Heavy metals (Pb)	≤0.1 ppm	Ca	≤0.5 ppm	Mn	≤0.01 ppm	V	≤0.05 ppm
Residue on ignition	≤2 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm	Zn	≤0.02 ppm
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Na	≤0.5 ppm	Zr	≤0.05 ppm

Code	Size	Packaging	Notes
403942	1 l	Glass bottle	
403941	2.5 l	Glass bottle	

Hydrochloric acid 37% > RPE - For analysis - ISO**RPE**

Description	Clear liquid	Residue on ignition	≤5 ppm	Co	≤0.01 ppm	Ni	≤0.02 ppm
Colour (APHA)	≤10	Sulphate	≤1 ppm	Cr	≤0.02 ppm	Pb	≤0.05 ppm
Identification	Positive	Sulphite	≤0.5 ppm	Cu	≤0.01 ppm	Sr	≤0.02 ppm
Density at 20° C	1.181 ÷ 1.189	Al	≤0.2 ppm	Fe	≤0.2 ppm	Ti	≤1 ppm
Residue on evaporation	≤100 ppm	As	≤0.01 ppm	Hg	≤0.1 ppm	Tl	≤0.05 ppm
Ammonium	≤1 ppm	Ba	≤0.1 ppm	Li	≤0.05 ppm	V	≤ 0.5 ppm
Bromide	≤50 ppm	Be	≤0.02 ppm	Mg	≤0.3 ppm	Zn	≤0.5 ppm
Free chlorine	≤ 4 ppm	Bi	≤0.05 ppm	Mn	≤0.01 ppm	Zr	≤0.05 ppm
Phosphate	≤0.5 ppm	Ca	≤0.5 ppm	Mo	≤0.05 ppm	Assay (acidimetric)	≥36.5 %
Heavy metals (Pb)	≤ 1 ppm	Cd	≤0.005 ppm	Na	≤5 ppm		

Code	Size	Packaging	Notes
403871	1 l	Glass bottle	
403876	1 l	Glass bottle PVC coated	
524525	1 l	Plastic bottle	
403872	2.5 l	Glass bottle	
524526	2.5 l	Plastic bottle	
403878	5 l	Plastic tank	
403874	25 kg	Plastic drum	

Hydrochloric acid 37% > ERBApharm - According to pharmacopeia: Ph.Eur.-NF-FU-Ph.Franc.-BP-JP**ERBApharm**

Description	Clear colourless liquid	Free chlorine or bromide..	Conform USP-NF	Residue on evaporation	≤ 100 ppm	Assay (acidimetric)	36.5 ÷ 38.0 %
Identification	Positive	Sulphite	Conform USP-NF	Residue on ignition	≤ 80 ppm	As	≤ 1 ppm
Appearance of solution	Conform Ph.Eur.	Sulphate	Conform USP-NF	Free chlorine	≤ 4 ppm	Hg	≤ 0.04 ppm
Bromide or iodide	Conform USP-NF	Density at 20° C	~ 1.18	Heavy metals (Pb)	≤ 2 ppm		

Code	Size	Packaging	Notes
302621	1 l	Glass bottle	
302626	2.5 l	Glass bottle	
302643	5 l	Plastic tank	
302624	10 l	Plastic tank	
302623	25 kg	Plastic drum	
302622	40 kg	Plastic tank	
302627	55 kg	Plastic tank	
302625	220 kg	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Hydrochloric acid 37% > RE - Pure**RE**

Assay	36.0 ÷ 38.5 %	Residue on ignition	≤ 20 ppm	Heavy metals	≤ 5 ppm	Free chloride (Cl)	≤ 20 ppm
Description	Clear colourless liquid or yellowish	Density at 20°C	1.183 ÷ 1.189	Assay (acidimetric)	36.5 - 37.5 %	Iron (Fe)	≤ 2 ppm

Code	Size	Packaging	Notes
528525	5 l	Tank	
303871	25 kg	Plastic tank	



Hydrochloric acid 34-37%

• Acido cloridrico 34-37% • Acide chlorhydrique 34-37% • Acido clorhidrico 34-37% • Salzsäure 34-37%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group II



Danger
H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Hydrochloric acid 34-37% > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Fe	≤ 1 ppb	Assay (acidimetric)	34 ÷ 37 %	Nb	≤ 0.1 ppb
Identification	Positive	Hg	≤ 0.1 ppb	Th	≤ 0.1 ppb	Pr	≤ 0.1 ppb
Bromide	≤ 10 ppm	K	≤ 1 ppb	U	≤ 0.1 ppb	Re	≤ 0.1 ppb
Free chlorine	≤ 0.5 ppm	Li	≤ 0.1 ppb	Colour (APHA)	≤ 10	Rh	≤ 0.1 ppb
Total phosphorus	≤ 0.01 ppm	Mg	≤ 0.5 ppb	Ce	≤ 0.1 ppb	Rb	≤ 0.1 ppb
Total sulphur	≤ 0.3 ppm	Mn	≤ 0.1 ppb	Cs	≤ 0.1 ppb	Ru	≤ 0.1 ppb
Ag	≤ 1 ppb	Mo	≤ 0.1 ppb	Dy	≤ 0.1 ppb	Sm	≤ 0.1 ppb
Al	≤ 1 ppb	Na	≤ 1 ppb	Er	≤ 0.1 ppb	Sc	≤ 0.1 ppb
As	≤ 0.5 ppb	Ni	≤ 0.5 ppb	Eu	≤ 0.1 ppb	Te	≤ 0.1 ppb
B	≤ 1 ppb	Pb	≤ 0.1 ppb	Gd	≤ 0.1 ppb	Tb	≤ 0.1 ppb
Ba	≤ 0.1 ppb	Sb	≤ 0.5 ppb	Ga	≤ 0.1 ppb	Tl	≤ 0.1 ppb
Be	≤ 0.1 ppb	Se	≤ 1 ppb	Au	≤ 0.5 ppb	Tm	≤ 0.1 ppb
Bi	≤ 0.1 ppb	Sn	≤ 0.5 ppb	Hf	≤ 0.1 ppb	W	≤ 0.1 ppb
Ca	≤ 1 ppb	Sr	≤ 0.1 ppb	Ho	≤ 0.1 ppb	Yb	≤ 0.1 ppb
Cd	≤ 0.1 ppb	Ti	≤ 0.5 ppb	In	≤ 0.1 ppb	Y	≤ 0.1 ppb
Co	≤ 0.1 ppb	V	≤ 0.5 ppb	La	≤ 0.1 ppb		
Cr	≤ 0.5 ppb	Zn	≤ 1 ppb	Lu	≤ 0.1 ppb		
Cu	≤ 0.5 ppb	Zr	≤ 0.1 ppb	Nd	≤ 0.1 ppb		

Code	Size	Packaging	Notes
403915	500 ml	Plastic bottle	
403916	1 l	Plastic bottle	
403917	2.5 l	Plastic bottle	



Hydrochloric acid 32-35%

• Acido cloridrico 32-35% • Acide chlorhydrique 32-35% • Acido clorhidrico 32-35% • Salzsäure 32-35%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group II



Danger
H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Hydrochloric acid 32-35% > RS - Ultrapure - For trace analysis at ppt level

RS

Description	Clear colourless liquid	Cs	≤ 10 ppt	U	≤ 1 ppt	Rh	≤ 10 ppt
Identification	Positive	Cu	≤ 10 ppt	Th	≤ 1 ppt	Rb	≤ 10 ppt
Ag	≤ 10 ppt	Dy	≤ 1 ppt	Sb	≤ 20 ppt	Ru	≤ 10 ppt
Al	≤ 20 ppt	Mn	≤ 10 ppt	Gd	≤ 1 ppt	Sm	≤ 1 ppt
As	≤ 50 ppt	Eu	≤ 1 ppt	Ga	≤ 10 ppt	Sc	≤ 10 ppt
Au	≤ 50 ppt	Fe	≤ 10 ppt	Hf	≤ 10 ppt	Te	≤ 1 ppt
B	≤ 100 ppt	Ni	≤ 20 ppt	Ho	≤ 1 ppt	Tb	≤ 1 ppt
Ba	≤ 10 ppt	Pb	≤ 10 ppt	In	≤ 1 ppt	Tm	≤ 1 ppt
Be	≤ 10 ppt	Sn	≤ 20 ppt	La	≤ 1 ppt	W	≤ 10 ppt
Bi	≤ 10 ppt	Sr	≤ 10 ppt	Li	≤ 10 ppt	Yb	≤ 1 ppt
Ca	≤ 10 ppt	Tl	≤ 10 ppt	Lu	≤ 10 ppt	Y	≤ 1 ppt
Cd	≤ 10 ppt	Ti	≤ 10 ppt	Nd	≤ 1 ppt	Zr	≤ 10 ppt
Ce	≤ 10 ppt	V	≤ 10 ppt	Nb	≤ 1 ppt		
Co	≤ 10 ppt	Zn	≤ 10 ppt	Pr	≤ 1 ppt		
Cr	≤ 10 ppt	Assay (acidimetric)	32 ÷ 35 %	Re	≤ 10 ppt		

Code	Size	Packaging	Notes
403891	500 ml	Plastic bottle	



Hydrochloric acid 32% (20°Bé)

• Acido cloridrico 32% (20°Bé) • Acide chlorhydrique 32% (20°Bé) • Acido clorhidrico 32% (20°Bé) • Salzsäure 32% (20°Bé)

HCl
Molecular Weight: 36,461
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group II



Danger
H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Hydrochloric acid 32% (20°Bé) > RE - Pure

RE

Description Yellow clear liquid Density at 20° C ≥1.154 Assay (acidimetric) ≥31.0 %

Code	Size	Packaging	Notes
302664	25 kg	Plastic drum	(20°Bé)



Hydrochloric acid 32%

• Acido cloridrico 32% • Acide chlorhydrique 32% • Acido clorhidrico 32% • Salzsäure 32%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group II



Danger
H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Hydrochloric acid 32% > RPE - For analysis - ISO

RPE

Description Clear liquid	Sulphate ≤0.8 ppm	Cr ≤0.02 ppm	Pb ≤0.05 ppm
Colour (APHA) ≤10	Sulphite ≤0.5 ppm	Cu ≤0.01 ppm	Sr ≤0.02 ppm
Identification Positive	Al ≤0.05 ppm	Fe ≤0.1 ppm	Ti ≤1 ppm
Density at 20° C 1.159 - 1.164	As ≤0.01 ppm	Hg ≤0.1 ppm	Tl ≤0.05 ppm
Ammonium ≤1 ppm	Ba ≤0.1 ppm	Li ≤0.05 ppm	V ≤0.5 ppm
Bromide ≤50 ppm	Be ≤0.02 ppm	Mg ≤0.3 ppm	Zn ≤0.5 ppm
Free chlorine ≤ 4 ppm	Bi ≤0.05 ppm	Mn ≤0.01 ppm	Zr ≤0.05 ppm
Phosphate ≤0.5 ppm	Ca ≤0.5 ppm	Mo ≤0.05 ppm	Assay (acidimetric) 32.0 - 33.0 %
Heavy metals (Pb) ≤1 ppm	Cd ≤0.005 ppm	Na ≤5 ppm	
Residue on ignition ≤5 ppm	Co ≤0.01 ppm	Ni ≤0.02 ppm	

Code	Size	Packaging	Notes
403981	2.5 l	Glass bottle	
403984	2.5 l	Plastic bottle	
403982	25 kg	Plastic drum	
403986	55 kg	Plastic tank	
403988	220 kg	Plastic drum	

Hydrochloric acid 32% > RE - Pure

RE

Description ... Clear colourless or light yellow liquid Free chlorine ≤100 ppm Residue on ignition ≤0.1 % Fe ≤2 ppm
Density at 20°C 1.157 - 1.171 Heavy metals (Pb) ≤50 ppm Sulphate ≤200 ppm Assay 32 ÷ 34 %

Code	Size	Packaging	Notes
302601	1 l	Glass bottle	
302602	25 kg	Plastic drum	
302604	30 kg	Plastic drum	



Hydrochloric acid 29-31%

• Acido cloridrico 29-31 % • Acide chlorhydrique 29-31 % • Acido clorhidrico 29-31 % • Salzsäure 29-31 %

HCl Molecular Weight: 36,46 CAS: 7647-01-0 EEC-N: 231-595-7	Classification transport ONU: 1789 Transport Hazard class: 8 Packing group II	 	Danger H290-H314-H335 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338-P403+P233
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Hydrochloric acid 29-31% > RS - Superpure - For trace analysis at ppb level

RS

Code	Size	Packaging	Notes
403921	1 l	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis



Hydrochloric acid 26%

• Acido cloridrico 26% • Acide chlorhydrique 26% • Acido clorhidrico 26% • Salzsäure 26%

HCl Molecular Weight: 36,46 CAS: 7647-01-0 EEC-N: 231-595-7	Classification transport ONU: 1789 Transport Hazard class: 8 Packing group II	 	Danger H290-H314-H335 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338-P403+P233
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Hydrochloric acid 26% > RE - Pure

RE

HCl content..... 25 - 27 %

Code	Size	Packaging	Notes
PS0769/20	2.5 l	Plastic bottle	



Hydrochloric acid 25% w/v

• Acido cloridrico 25% m/v • Acide chlorhydrique 25% m/v • Acido clorhidrico 25% p/v • Salzsäure 25% m/v

HCl Molecular Weight: 36,46 CAS: 7647-01-0 EEC-N: 231-595-7	Classification transport ONU: 1789 Transport Hazard class: 8 Packing group III	 	Warning H290-H315-H319-H335 P261-P271-P304+P340-P305+P351+P338- P332+P313-P403+P233
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Hydrochloric acid 25% w/v > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611043501	1 l	Plastic bottle	Hydrochloric acid R1 Ref Ph.Eur 1043501

**Hydrochloric acid 23%**

• Acido cloridrico 23% • Acide chlorhydrique 23% • Acido clorhidrico 23% • Salzsäure 23%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III

**Warning**

H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Hydrochloric acid 23% > RPE - For analysis - ISO**RPE**

Description	Clear liquid	Sulphate	≤0.8 ppm	Cu	≤0.01 ppm	Sr	≤0.02 ppm
Colour (APHA)	≤10	Sulphite	≤0.5 ppm	Fe	≤0.1 ppm	Ti	≤1 ppm
Identification	Positive	Al	≤0.05 ppm	Hg	≤0.1 ppm	Tl	≤0.05 ppm
Density at 20° C	1.113 - 1.119	As	≤0.01 ppm	Li	≤0.05 ppm	V	≤0.5 ppm
Ammonium	≤1 ppm	Be	≤0.02 ppm	Mg	≤0.3 ppm	Zn	≤0.5 ppm
Bromide	≤50 ppm	Bi	≤0.05 ppm	Mn	≤0.03 ppm	Zr	≤0.05 ppm
Free chlorine	≤4 ppm	Ca	≤0.5 ppm	Mo	≤0.05 ppm	Assay (acidimetric)	23.0 - 24.0 %
Phosphate	≤0.5 ppm	Cd	≤0.005 ppm	Na	≤5 ppm		
Heavy metals (Pb)	≤1 ppm	Co	≤0.01 ppm	Ni	≤0.02 ppm		
Residue on ignition	≤5 ppm	Cr	≤0.02 ppm	Pb	≤0.05 ppm		

Code	Size	Packaging	Notes
403901	1 l	Glass bottle	
403905	2.5 l	Glass bottle	
403909	25 kg	Plastic drum	

**Hydrochloric acid 20%**

• Acido cloridrico 20% • Acide chlorhydrique 20% • Acido clorhidrico 20% • Salzsäure 20%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III

**Warning**

H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Hydrochloric acid 20% > RPE - For analysis**RPE**

Description

Clear colourless liquid Identification

Positive Assay

19.50 - 20.50 %

Code	Size	Packaging	Notes
524561	10 l	Plastic tank	

Hydrochloric acid 20% > RE - Pure**RE**

Assay

19 - 21 %

Code	Size	Packaging	Notes
PS0751/29	5 l	Plastic tank	

**Hydrochloric acid 12%**

• Acido cloridrico 12% • Acide chlorhydrique 12% • Acido clorhidrico 12% • Salzsäure 12%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III

**Warning**

H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Hydrochloric acid 12% > RS - For analysis**RS**

Assay

11.0 - 13.0 % Clear liquid appearance

Conform Colour

≤ J7

Density d20/4

1.052 - 1.063 Identification

Conform

Code	Size	Packaging	Notes
PS0347/22	5 l	Plastic tank	
PS0347/49	25 l	Plastic tank	
PS0347/66	200 l	Plastic drum	



Hydrochloric acid 10%

• Acido cloridrico 10% • Acide chlorhydrique 10% • Acido clorhidrico 10% • Salzsäure 10%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Hydrochloric acid 10% > ERBApharm - According to pharmacopoeia: Ph.Eur.

ERBApharm

Description Clear colourless liquid Free chlorine..... ≤ 1 ppm Residue on evaporation ≤ 100 ppm
Identification Positive Sulphate ≤ 5 ppm Assay 9.5 - 10.5 % (m/m)
Appearance Conform Ph.Eur. Heavy metals (Pb)..... ≤ 2 ppm Residual solvents (Current ICH)..... Conform

Code	Size	Packaging	Notes
302591	10 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Hydrochloric acid 10% > RE - Pure

RE

Hydrochloric acid content..... 9.9 - 10.1 %

Code	Size	Packaging	Notes
PS0768/41	10 l	Plastic tank	



Hydrochloric acid 8%

• Acido cloridrico 8% • Acide chlorhydrique 8% • Acido clorhidrico 8% • Salzsäure 8%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 8% > RPE - For analysis

RPE

Description Clear colourless liquid Free chlorine..... ≤0.5 ppm Sulphite..... ≤1 ppm Assay (acidimetric) 8.0 - 9.0 %
Density at 20° C 1.037 - 1.043 Heavy metals (Pb)..... ≤1 ppm As ≤0.01 ppm
Ammonium ≤30 ppm Sulphate ≤1 ppm Fe ≤0.3 ppm

Code	Size	Packaging	Notes
404033	10 kg	Plastic tank	
404036	55 kg	Plastic tank	



Hydrochloric acid 5%

• Acido cloridrico 5% • Acide chlorhydrique 5% • Acido clorhidrico 5% • Salzsäure 5%

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 5% > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Hydrochloric acid content..... 4.5 - 5.5 %

Code	Size	Packaging	Notes
PS0864/41	10 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Hydrochloric acid 1.128% m/v**

• Acido cloridrico 1.128% m/v • Acide chlorhydrique 1.128% m/v • Acido clorhidrico 1.128% p/v • Salzsäure 1.128% m/v

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290
P234-P390-P406**Hydrochloric acid 1.128% m/v > RS - For agroalimentary analysis**

RS

Description Clear colourless liquid Assay 1.123 ÷ 1.133 % m/v

Code	Size	Packaging	Notes
502761	1 l	Plastic bottle	

**Hydrochloric Acid 9 mol/l (9N)**

• Acido clorhidrico 9 mol/l (9N) • Acide chlorhydrique 9 mol/l (9N) • Acido cloridrico 9 mol/l (9N) • Salzsäure 9 mol/l (9N)

HCl
Molecular Weight: 36,46
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group II**Danger**
H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233**Hydrochloric Acid 9 mol/l (9N) > RS - For analysis**

RS

Assay (potentiometry) 8.982 - 9.018 N

Code	Size	Packaging	Notes
PS0313/20	2.5 l	Plastic bottle	

**Hydrochloric acid 6 mol/l (6N)**

• Acido cloridrico 6 mol/l (6N) • Acide chlorhydrique 6 mol/l (6N) • Acido clorhidrico 6 mol/l (6N) • Salzsäure 6 mol/l (6N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233**Hydrochloric acid 6 mol/l (6N) > RS - For agroalimentary analysis**

RS

Description Clear colourless liquid Assay 5.97 ÷ 6.03 N Colour ≤ 10 Hazen

Code	Size	Packaging	Notes
502831	1 l	Plastic bottle	
502832	18 l	Plastic tank	

Store between 15-30 °C**Hydrochloric acid 6 mol/l (6N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2**

RS

Code	Size	Packaging	Notes
613001500	1 l	Plastic bottle	Ref Ph.Eur 3001500

Hydrochloric acid 6 mol/l (6N) > ERBAPharm - Prepared from raw material according Ph.Eur

ERBAPharm

Assay (potentiometric) 5.9 ÷ 6.1 mol/L

Code	Size	Packaging	Notes
528651	25 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Hydrochloric acid 6 mol/l (6N) > RE - Pure**

RE

Description Clear colourless liquid Colour ≤ 10 Hazen Assay 5.95 ÷ 6.05 N

Code	Size	Packaging	Notes
528550000	5 l	Plastic tank	



Hydrochloric acid 5 mol/l (5N)

• Acido cloridrico 5 mol/l (5N) • Acide chlorhydrique 5 mol/l (5N) • Acido clorhidrico 5 mol/l (5N) • Salzsäure 5 mol/l (5N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Hydrochloric acid 5 mol/l (5N) > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Assay (potentiometric) 4.99 - 5.01 mol/L

Code	Size	Packaging	Notes
528731	25 l	Plastic tank	

Hydrochloric acid 5 mol/l (5N) > RPE - For analysis

RPE

Assay (potentiometry) 4.995 - 5.005 N

Code	Size	Packaging	Notes
P3160015	1 l	Plastic bottle	
P3160095	5 l	Kubidos	



Hydrochloric acid 4 mol/l (4N)

• Acido cloridrico 4 mol/l (4N) • Acide chlorhydrique 4 mol/l (4N) • Acido clorhidrico 4 mol/l (4N) • Salzsäure 4 mol/l (4N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Hydrochloric acid 4 mol/l (4N) > RS - For agroalimentary analysis

RS

Description Clear colourless liquid Assay 3.992 ÷ 4.008 N

Code	Size	Packaging	Notes
502010	1 l	Plastic bottle	

145,84 g of HCl. Ready-to-use. Content is guaranteed for standardized volumes at 20 °C. Keep tightly closed

Hydrochloric acid 4 mol/l (4N) > RPE - For analysis

RPE

Assay (potentiometry) 3.992 - 4.008 N

Code	Size	Packaging	Notes
PS0589/15	1 l	Plastic bottle	
PS0589/22	5 l	Plastic tank	
PS0589/49	25 l	Plastic tank	

Hydrochloric acid 4 mol/l (4N) > ERBapharm - Prepared from raw material according Ph.Eur

ERBapharm

Identification (Ph.Eur)..... Conform Assay (Ph.Eur)..... 3.8 - 4.2 N Origine (BSE-TSE)..... Conform Residual solvents (Current ICH)..... Conform

Code	Size	Packaging	Notes
528681	1 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Hydrochloric acid 3 mol/l (3N)**

• Acido cloridrico 3 mol/l (3N) • Acide chlorhydrique 3 mol/l (3N) • Acido clorhidrico 3 mol/l (3N) • Salzsäure 3 mol/l (3N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233**Hydrochloric acid 3 mol/l (3N) > RS - For agroalimentary analysis**

RS

Description Clear colourless liquid Assay 2.95 ÷ 3.05 N

Code	Size	Packaging	Notes
502621	1 l	Plastic bottle	
502622	2.5 l	Plastic bottle	
502011	25 l	Plastic tank	

**Hydrochloric acid 2 mol/l (2N)**

• Acido cloridrico 2 mol/l (2N) • Acide chlorhydrique 2 mol/l (2N) • Acido clorhidrico 2 mol/l (2N) • Salzsäure 2 mol/l (2N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290
P234-P390-P406**Hydrochloric acid 2 mol/l (2N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2**

RS

Code	Size	Packaging	Notes
613001700	1 l	Plastic bottle	Ref Ph.Eur 3001700

Hydrochloric acid 2 mol/l (2N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 1.998 - 2.002 N NIST 723.....e

Code	Size	Packaging	Notes
404067000	1 l	Plastic bottle	Certified with NIST traceability
404062000	5 l	Kubidos	Certified with NIST traceability
404061000	10 l	Kubidos	Certified with NIST traceability

72.92 g of HCl. Volumetric solution ready-to-use**Hydrochloric acid 2 mol/l (2N) > ERBApharm - Prepared from raw material according Ph.Eur**

ERBApharm

Identification (Ph.Eur).....Conform Assay (Ph.Eur).....1.9 - 2.1 N Origine (BSE-TSE).....Conform Residual solvents (Current ICH)

Code	Size	Packaging	Notes
528691	1 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Hydrochloric acid 1 mol/l (1N)**

• Acido cloridrico 1 mol/l (1N) • Acide chlorhydrique 1 mol/l (1N) • Acido clorhidrico 1 mol/l (1N) • Salzsäure 1 mol/l (1N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290
P234-P390-P406**Hydrochloric acid 1 mol/l (1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2**

RS

Code	Size	Packaging	Notes
613001801	500 ml	Plastic bottle	Ref Ph.Eur 3001800
613001800	1 l	Plastic bottle	Ref Ph.Eur 3001800

Hydrochloric acid 1 mol/l (1N) > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000191	1 l	Plastic bottle	

Hydrochloric acid 1 mol/l (1N) > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear colourless liquid Assay (potentiometry) 0.998 - 1.002 N

Code	Size	Packaging	Notes
528673	5 l	Kubidos	
528671	10 l	Kubidos	
528672	200 l	Polythene-metal drum	

Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

Hydrochloric acid 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.999 - 1.001 N NIST 723.....e

Code	Size	Packaging	Notes
404097000	1 l	Plastic bottle	Certified with NIST traceability
404092000	5 l	Kubidos	Certified with NIST traceability
404091000	10 l	Kubidos	Certified with NIST traceability
404094000	20 l	Plastic tank	Certified with NIST traceability

36.46 g of HCl. Volumetric solution ready-to-use

Hydrochloric acid 1 mol/l (1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
404111		Plastic ampoule	Volume: 165 ml

36,46 g of HCl. Volumetric concentrated solution to prepare 1 L of solution 1 N

Hydrochloric acid 1 mol/l (1N) > ERBapharm - Prepared from raw material according Ph.Eur

ERBapharm

Clear, colourless liquid Conform Assay (Ph.Eur) 0.95 - 1.05 N Residual solvents (Current ICH) Conform
Identification (Ph.Eur) Conform Origine (BSE-TSE) Conform

Code	Size	Packaging	Notes
528583	1 l	Plastic bottle	
528584	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Hydrochloric acid 0.714 mol/l (N/1.4)

• Acido cloridrico 0.714 mol/l (N/1.4) • Acide chlorhydrique 0.714 mol/l (N/1.4) • Acido clorhídrico 0.714 mol/l (N/1.4) • Salzsäure 0.714 mol/l (N/1.4)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 0.714 mol/l (N/1.4) > RS - For agroalimentary analysis

RS

Description Clear colourless liquid Assay 0.710 ÷ 0.718 N

Code	Size	Packaging	Notes
526531	10 l	Kubidos	

Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

**Hydrochloric acid 0.5 mol/l (0.5N)**

• Acido cloridrico 0.5 mol/l (0.5N) • Acide chlorhydrique 0.5 mol/l (0.5N) • Acido clorhidrico 0.5 mol/l (0.5N) • Salzsäure 0.5 mol/l (0.5N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290
P234-P390-P406**Hydrochloric acid 0.5 mol/l (0.5N) > RPE - For analysis****RPE**

Description Clear colourless liquid Assay (potentiometry) 0.4995 - 0.5005 N NIST 723.....e

Code	Size	Packaging	Notes
404147000	1 l	Plastic bottle	Certified with NIST traceability
404142000	5 l	Kubidos	Certified with NIST traceability
404141000	10 l	Kubidos	Certified with NIST traceability

18,23 g of HCl. Volumetric solution ready-to-use**Hydrochloric acid 0.5 mol/l (0.5N) > RPE - NORMEX - For analysis****RPE**

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
404161		Plastic ampoule	Volume: 165 ml

18,230 g HCl. Volumetric concentrated solution to prepare 1 L of solution 0,5 N**Hydrochloric acid 0.2 mol/l (0.2N)**

• Acido cloridrico 0.2 mol/l (0.2N) • Acide chlorhydrique 0.2 mol/l (0.2N) • Acido clorhidrico 0.2 mol/l (0.2N) • Salzsäure 0.2 mol/l (0.2N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7**Classification transport**
ONU: 1789
Transport Hazard class: 8
Packing group III**Warning**
H290
P234-P390-P406**Hydrochloric acid 0.2 mol/l (0.2N) > RS - For agroalimentary analysis****RS**

Description Clear colourless liquid Assay 0.195 ÷ 0.205 N

Code	Size	Packaging	Notes
502631	1 l	Plastic bottle	

7,292 g of HCl. Ready-to-use solution according to NF V04-242. Content is guaranteed for standardized volumes at 20 °C. Keep tightly closed**Hydrochloric acid 0.2 mol/l (0.2N) in propanol-2**

• Acido cloridrico 0.2 mol/l (0.2N) in isopropanolo • Acide chlorhydrique 0.2 mol/l (0.2N) dans propanol-2 • Acido clorhidrico 0.2 mol/l (0.2N) en propan-2-ol • Salzsäure 0.2 mol / l (0.2 N) in Propanol-2

HCl
Molecular Weight: 36,46
CAS: 7647-01-0**Classification transport**
ONU: 2924
Transport Hazard class: 3
Packing group II**Danger**
H225-H290-H319-H336
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233**Hydrochloric acid 0.2 mol/l (0.2N) in propanol-2 > RPE - For analysis****RPE**

Description Clear colourless liquid Color ≤ 10 APHA Assay 0,195 ÷ 0,205 N

Code	Size	Packaging	Notes
526535	1 l	Glass bottle	



Hydrochloric acid 0.1 mol/l (0.1N)

• Acido cloridrico 0.1 mol/l (0.1N) • Acide chlorhydrique 0.1 mol/l (0.1N) • Acido clorhidrico 0.1 mol/l (0.1N) • Salzsäure 0.1 mol/l (0.1N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613002101	500 ml	Plastic bottle	Ref Ph.Eur 3002100
613002100	1 l	Plastic bottle	Ref Ph.Eur 3002100

Hydrochloric acid 0.1 mol/l (0.1N) > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear colourless liquid Assay (potentiometric) 0.0998 - 0.1002 mol/L

Code	Size	Packaging	Notes
528573	5 l	Kubidos	
528571	10 l	Kubidos	

Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

Hydrochloric acid 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 723.....e

Code	Size	Packaging	Notes
404197000	1 l	Plastic bottle	Certified with NIST traceability
404192000	5 l	Kubidos	Certified with NIST traceability
404191000	10 l	Kubidos	Certified with NIST traceability
404195000	10 l	Plastic tank	Certified with NIST traceability

3.646 g of HCl. Volumetric solution ready-to-use: 0.1N

Hydrochloric acid 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
404211		Plastic ampoule	Volume: 55 ml

3,646 g of HCl. Volumetric concentrated solution to prepare 1 L of solution 0,1 N

Hydrochloric acid 0.1 mol/l (0.1N) > ERBApharm - Prepared from raw material according Ph.Eur. - USP

ERBApharm

Clear, colourless liquid Conform Assay (Ph.Eur)..... 0.095 - 0.105 N Residual solvents (Current ICH)..... Conform
Identification (Ph.Eur)..... Conform Origine (BSE-TSE)..... Conform

Code	Size	Packaging	Notes
528661	1 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Hydrochloric acid 0.1 mol/l (0.1N) > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Clear, colourless liquid Conform Assay (Ph.Eur)..... 0.095 - 0.105 N Residual solvents (Current ICH)..... Conform
Identification (Ph.Eur)..... Conform Origine (BSE-TSE)..... Conform

Code	Size	Packaging	Notes
528662	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Hydrochloric acid 0.1 mol/l (0.1N) in ethanol**

- Acido cloridrico 0.1 mol/l (0.1N) in etanolo • Acide chlorhydrique 0.1 mol/l (0.1N) dans l'éthanol • Acido clorhidrico 0.1 mol/l (0.1N) en etanol
- Salzsäure 0.1 mol / l (0.1 N) in Ethanol

HCl
Molecular Weight: 36,46
CAS: 7647-01-0

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II



Danger
H225
P210-P241-P280-P303+P361+P353-P403+P235-P501a

Hydrochloric acid 0.1 mol/l (0.1N) in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613008800	1 l	Glass bottle	Ref Ph.Eur 3008800

**Hydrochloric acid 0.1 mol/l (0.1N) in propanol-2**

- Acido cloridrico 0.1 mol/l (0.1N) in isopropanolo • Acide chlorhydrique 0.1 mol/l (0.1N) dans propanol-2 • Acido clorhidrico 0.1 mol/l (0.1N) en propan-2-ol
- Salzsäure 0.1 mol / l (0.1 N) in Propanol-2

HCl
Molecular Weight: 36,46
CAS: 7647-01-0

Classification transport
ONU: 1219
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H336
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Hydrochloric acid 0.1 mol/l (0.1N) in propanol-2 > RPE - For analysis**RPE**

Description Clear liquid Color ≤ 10 APHA Assay 0,095 ÷ 0.105 N

Code	Size	Packaging	Notes
526536	1 l	Plastic bottle	

**Hydrochloric acid 0.0714 mol/l (N/14)**

- Acido cloridrico 0.0714 mol/l (N/14) • Acide chlorhydrique 0.0714 mol/l (N/14) • Acido clorhidrico 0.0714 mol/l (N/14) • Salzsäure 0.0714 mol/l (N/14)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 0.0714 mol/l (N/14) > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Assay 0.0710 ÷ 0.0718 N

Code	Size	Packaging	Notes
526533	10 l	Kubidos	

Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

**Hydrochloric acid 0.05 mol/l (0.05N)**

- Acido cloridrico 0.05 mol/l (0.05N) • Acide chlorhydrique 0.05 mol/l (0.05N) • Acido clorhidrico 0.05 mol/l (0.05N) • Salzsäure 0.05 mol / l (0.05 N)

HCl
Molecular Weight: 36.46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 0.05 mol/l (0.05N) > RPE - For analysis**RPE**

Assay (potentiometry) 0.0499 - 0.0501 N

Code	Size	Packaging	Notes
PS0587/15	1 l	Plastic bottle	



Hydrochloric acid 0.04 mol/l (0.04N)

• Acido cloridrico 0.04 mol/l (0.04N) • Acide chlorhydrique 0.04 mol/l (0.04N) • Acido clorhidrico 0.04 mol/l (0.04N) • Salzsäure 0.04 mol/l (0.04N)

HCl
Molecular Weight: 36.46
CAS: 7647-01-0
EEC-N: 231-595-7

Classification transport
ONU: 1789
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Hydrochloric acid 0.04 mol/l (0.04N) > RS - For analysis

RS

Assay (potentiometry) 0.03992 - 0.04008 N

Code	Size	Packaging	Notes
PS0206/41	10 l	Plastic tank	



Hydrochloric acid 0.02 mol/l (0.02N)

• Acido cloridrico 0.02 mol/l (0.02N) • Acide chlorhydrique 0.02 mol/l (0.02N) • Acido clorhidrico 0.02 mol/l (0.02N) • Salzsäure 0.02 mol/l (0.02N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Hydrochloric acid 0.02 mol/l (0.02N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (acidimetric) 0.01996 ÷ 0.02004 mol/L

Code	Size	Packaging	Notes
PS0342/15	1 l	Plastic bottle	
526537	5 l	Plastic tank	



Hydrochloric acid 0.01 mol/l (0.01N)

• Acido cloridrico 0.01 mol/l (0.01N) • Acide chlorhydrique 0.01 mol/l (0.01N) • Acido clorhidrico 0.01 mol/l (0.01N) • Salzsäure 0.01 mol/l (0.01N)

HCl
Molecular Weight: 36,46
CAS: 7647-01-0
EEC-N: 231-595-7

Hydrochloric acid 0.01 mol/l (0.01N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.00998 - 0.01002 N NIST 84.....

Code	Size	Packaging	Notes
404267	1 l	Plastic bottle	Certified with NIST traceability

Provided with a Certificate of analysis with references on the analytical method

Hydrochloric acid 0.01 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
404251		Plastic ampoule	Volume: 55 ml

0,3646 g HCl. Volumetric concentrated solution to prepare 1 L of solution 0,01 N

**Hydrochloric acid, dilute**

• Acido cloridrico diluito • Acide chlorhydrique dilu e • Acido clorh idrico diluido • Salzs ure verd nnen

HCl	HEU210
Molecular Weight: 36,46	
CAS: 7647-01-0	
EEC-N: 231-595-7	

Hydrochloric acid, dilute > RS - For analysis according to Ph. Eur. Chap. 2.2.2

RS

Code	Size	Packaging	Notes
612202400	1 l	Plastic bottle	Dilution matrix HCl 10g/L

Hydrochloric acid, dilute > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611043503	1 l	Plastic bottle	Ref Ph.Eur 1043503
611043504	1 l	Plastic bottle	Hydrochloric acid, dilute R1 Ref Ph.Eur 1043504

**Hydrochloric acid, brominated**

• Acido cloridrico bromurato • Acide chlorhydrique brom e • Acido clorh idrico brominado • Salzs ure, bromiert

HCl	Classification transport		Danger
Molecular Weight: 36,46	ONU: 2922		H290-H314-H335
CAS: 7647-01-0	Transport Hazard class: 8		P280-P301+P330+P331-P303+P361+P353-
EEC-N: 231-595-7	Packing group I		P304+P340-P310a-P305+P351+P338-P403+P233

Hydrochloric acid, brominated > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611043507	1 l	Glass bottle	Ref Ph.Eur 1043507

**Hydrochloric acid-d 20%**

• Acido cloridrico-d 20% • Acide chlorhydrique-d 20% • Acido clorh idrico-d 20% • Deuteriumchlorid 20%

Synonym:

- Deuterium chloride
- Deutero-hydrochloric acid

DCI	Classification transport
Molecular Weight: 37,47	ONU: 1789
CAS: 7698-05-7	Transport Hazard class: 8
EEC-N: 231-715-8	Packing group II

Hydrochloric acid-d 20% > RS - For NMR - min 99.95%

RS

Code	Size	Packaging	Notes
P5685	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Hydrochloric acid-d 1 mol/l**

• Acido cloridrico-d 1 mol/l • Acide chlorhydrique-d 1 mol/l • Acido clorh idrico-d 1 mol/l • Deuteriumchlorid 1 mol/l

DCI	Classification transport		Warning
Molecular Weight: 37,47	ONU: 1789		H290-H315-H319-H335
CAS: 7698-05-7	Transport Hazard class: 8		P261-P271-P304+P340-P305+P351+P338-
EEC-N: 231-715-8	Packing group III		P332+P313-P403+P233

Hydrochloric acid-d 1 mol/l > RS - For NMR - min 99.8%

RS

Code	Size	Packaging	Notes
P5695	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



Hydrofluoric acid 50%

• Acido fluoridrico 50% • Acide fluorhydrique 50% • Acido fluorhídrico 50% • Fluorwasserstoff 50%

HF
Molecular Weight: 20
CAS: 7664-39-3

Classification transport
ONU: 1790
Transport Hazard class: LQ



Danger
H300-H310-H330-H314
P280-P284-P301+P330+P331-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Hydrofluoric acid 50% > RS - RSE - For electronic use

RS

Description	Clear liquid	Sulphate	≤1 ppm	Co	≤0.01 ppm	Ni	≤0.05 ppm
Colour (APHA)	≤10	Sulphite	≤2 ppm	Cr	≤0.01 ppm	Pb	≤0.02 ppm
Identification	Positive	Ag	≤0.02 ppm	Cu	≤0.01 ppm	Pt	≤0.02 ppm
Assay (acidimetric)	49.0 ÷ 51.0 %	Al	≤0.05 ppm	Fe	≤0.1 ppm	Sb	≤0.01 ppm
Density at 20°C	~ 1.17	As	≤0.03 ppm	Ga	≤0.02 ppm	Sn	≤0.02 ppm
Hydrofluosilicic acid	≤20 ppm	Au	≤0.02 ppm	In	≤0.02 ppm	Sr	≤0.02 ppm
Chloride	≤1 ppm	B	≤0.02 ppm	K	≤0.1 ppm	Ta	≤0.1 ppm
Phosphate	≤0.5 ppm	Ba	≤0.1 ppm	Li	≤0.02 ppm	Ti	≤0.1 ppm
Heavy metals (Pb)	≤0.1 ppm	Be	≤0.01 ppm	Mg	≤0.1 ppm	Tl	≤0.02 ppm
Nitrate	≤3 ppm	Bi	≤0.02 ppm	Mn	≤0.01 ppm	V	≤0.01 ppm
Residue on ignition	≤5 ppm	Ca	≤0.1 ppm	Mo	≤0.01 ppm	Zn	≤0.05 ppm
Subst. reducing KMnO4	≤4 ppm	Cd	≤0.01 ppm	Na	≤0.2 ppm	Zr	≤0.01 ppm

Code	Size	Packaging	Notes
405737	1 l	Plastic bottle	

Considered as toxic gas

Hydrofluoric acid 50% > RS - MOS - For electronic use

RS

Description	Clear colourless liquid	Sulphate	≤1 ppm	Co	≤0.01 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Sulphite	≤2 ppm	Cr	≤0.01 ppm	Pb	≤0.02 ppm
Identification	Positive	Ag	≤0.02 ppm	Cu	≤0.01 ppm	Pt	≤0.02 ppm
Assay (acidimetric)	49.0 ÷ 51.0 %	Al	≤0.05 ppm	Fe	≤0.1 ppm	Sb	≤0.01 ppm
Density at 20° C	1.152 ÷ 1.158	As	≤0.03 ppm	Ga	≤0.02 ppm	Sn	≤0.02 ppm
Hydrofluosilicic acid	≤20 ppm	Au	≤0.02 ppm	In	≤0.02 ppm	Sr	≤0.02 ppm
Chloride	≤1 ppm	B	≤0.02 ppm	K	≤0.1 ppm	Ta	≤0.1 ppm
Phosphate	≤0.5 ppm	Ba	≤0.1 ppm	Li	≤0.02 ppm	Ti	≤0.1 ppm
Heavy metals (Pb)	≤0.1 ppm	Be	≤0.01 ppm	Mg	≤0.1 ppm	Tl	≤0.02 ppm
Nitrate	≤3 ppm	Bi	≤0.02 ppm	Mn	≤0.01 ppm	V	≤0.01 ppm
Residue on ignition	≤5 ppm	Ca	≤0.1 ppm	Mo	≤0.01 ppm	Zn	≤0.05 ppm
Subst. reducing KMnO4	≤4 ppm	Cd	≤0.01 ppm	Na	≤0.2 ppm	Zr	≤0.01 ppm

Code	Size	Packaging	Notes
405653	1 l	Plastic bottle	

Considered as toxic gas

Hydrofluoric acid 50% > RPE - For analysis - ACS - ISO

RPE

Description	Clear liquid	Sulphate	≤2 ppm	Co	≤0.02 ppm	Ni	≤0.05 ppm
Colour (APHA)	≤10	Sulphite	≤2 ppm	Cr	≤0.05 ppm	Pb	≤0.2 ppm
Identification	Positive	Ag	≤0.02 ppm	Cu	≤0.02 ppm	Sr	≤0.02 ppm
Density at 20° C	1.152 ÷ 1.158	Al	≤0.05 ppm	Fe	≤0.2 ppm	Ti	≤0.1 ppm
Hydrofluosilicic acid	≤20 ppm	As	≤0.05 ppm	K	≤0.1 ppm	Tl	≤0.05 ppm
Chloride	≤1 ppm	Ba	≤0.1 ppm	Li	≤0.02 ppm	V	≤0.05 ppm
Phosphate	≤0.5 ppm	Be	≤0.02 ppm	Mg	≤0.2 ppm	Zn	≤0.05 ppm
Heavy metals (Pb)	≤0.5 ppm	Bi	≤0.1 ppm	Mn	≤0.05 ppm	Zr	≤0.1 ppm
Residue on ignition	≤5 ppm	Ca	≤0.5 ppm	Mo	≤0.05 ppm	Assay (acidimetric)	49 ÷ 51 %
Subst. reducing KMnO4	≤4 ppm	Cd	≤0.01 ppm	Na	≤0.5 ppm		

Code	Size	Packaging	Notes
405722	1 l	Plastic bottle	

Considered as toxic gas



Hydrofluoric acid 47-51%

• Acido fluoridrico 47-51% • Acide fluorhydrique 47-51% • Acido fluorhídrico 47-51% • Fluorwasserstoff 47-51%

HF

Molecular Weight: 20
CAS: 7664-39-3

Classification transport

ONU: 1790
Transport Hazard class: 8
Packing group II



Danger

H300-H310-H330-H314
P280-P284-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338-P403+P233

Hydrofluoric acid 47-51% > RS - Ultrapure - For trace analysis at ppt level

RS

Description	Clear liquid	Er.....	≤ 1 ppt	Mo.....	≤ 10 ppt	Te.....	≤ 1 ppt
Identification	Positive	Eu.....	≤ 1 ppt	Nd.....	≤ 1 ppt	Tb.....	≤ 1 ppt
Al.....	≤ 20 ppt	Gd.....	≤ 1 ppt	Ni.....	≤ 20 ppt	Ti.....	≤ 10 ppt
Sb.....	≤ 20 ppt	Ga.....	≤ 10 ppt	Nb.....	≤ 10 ppt	Th.....	≤ 1 ppt
As.....	≤ 50 ppt	Ge.....	≤ 10 ppt	Pd.....	≤ 20 ppt	Tm.....	≤ 1 ppt
Ba.....	≤ 10 ppt	Au.....	≤ 20 ppt	Pt.....	≤ 20 ppt	Sn.....	≤ 20 ppt
Be.....	≤ 10 ppt	Hf.....	≤ 10 ppt	K.....	≤ 10 ppt	Ti.....	≤ 20 ppt
Bi.....	≤ 10 ppt	Ho.....	≤ 1 ppt	Pr.....	≤ 1 ppt	W.....	≤ 20 ppt
B.....	≤ 100 ppt	In.....	≤ 1 ppt	Re.....	≤ 10 ppt	U.....	≤ 1 ppt
Cd.....	≤ 10 ppt	Fe.....	≤ 10 ppt	Rh.....	≤ 20 ppt	V.....	≤ 10 ppt
Ca.....	≤ 10 ppt	La.....	≤ 10 ppt	Rb.....	≤ 1 ppt	Yb.....	≤ 1 ppt
Ce.....	≤ 10 ppt	Pb.....	≤ 10 ppt	Ru.....	≤ 20 ppt	Y.....	≤ 1 ppt
Cs.....	≤ 10 ppt	Li.....	≤ 10 ppt	Sm.....	≤ 1 ppt	Total sulphur.....	≤ 100 ppb
Cr.....	≤ 10 ppt	Mg.....	≤ 1 ppt	Sc.....	≤ 10 ppt	Zr.....	≤ 10 ppt
Co.....	≤ 10 ppt	Lu.....	≤ 10 ppt	Ag.....	≤ 10 ppt	Assay.....	47 ÷ 51 %
Cu.....	≤ 10 ppt	Mn.....	≤ 10 ppt	Na.....	≤ 10 ppt		
Dy.....	≤ 1 ppt	Hg.....	≤ 50 ppt	Sr.....	≤ 10 ppt		

Code	Size	Packaging	Notes
405611	500 ml	Plastic bottle	

Hydrofluoric acid 47-51% > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Cr.....	≤ 1 ppb	Mg.....	≤ 1 ppb	Ag.....	≤ 0.5 ppb
Identification	Positive	Co.....	≤ 0.1 ppb	Mn.....	≤ 0.1 ppb	Na.....	≤ 1 ppb
Colour (APHA)	≤ 10	Cu.....	≤ 0.5 ppb	Hg.....	≤ 1 ppb	Sr.....	≤ 0.1 ppb
Chloride.....	≤ 4 ppm	Dy.....	≤ 0.1 ppb	Mo.....	≤ 0.1 ppb	Te.....	≤ 0.1 ppb
Total phosphorus.....	≤ 0.05 ppm	Er.....	≤ 0.1 ppb	Nd.....	≤ 0.1 ppb	Tb.....	≤ 0.1 ppb
Total sulphur.....	≤ 0.1 ppm	Eu.....	≤ 0.1 ppb	Ni.....	≤ 0.5 ppb	Ti.....	≤ 0.1 ppb
Hydrofluosilicic acid.....	≤ 20 ppm	Gd.....	≤ 0.1 ppb	Nb.....	≤ 0.1 ppb	Th.....	≤ 0.1 ppb
Al.....	≤ 1 ppb	Ga.....	≤ 0.1 ppb	Pd.....	≤ 0.2 ppb	Tm.....	≤ 0.1 ppb
Sb.....	≤ 0.2 ppb	Ge.....	≤ 0.1 ppb	Pt.....	≤ 0.2 ppb	Sn.....	≤ 0.5 ppb
As.....	≤ 0.5 ppb	Au.....	≤ 0.2 ppb	K.....	≤ 1 ppb	Ti.....	≤ 1 ppb
Ba.....	≤ 0.1 ppb	Hf.....	≤ 0.1 ppb	Pr.....	≤ 0.1 ppb	W.....	≤ 0.5 ppb
Be.....	≤ 0.1 ppb	Ho.....	≤ 0.1 ppb	Re.....	≤ 0.1 ppb	U.....	≤ 0.1 ppb
Bi.....	≤ 0.1 ppb	In.....	≤ 0.1 ppb	Rh.....	≤ 0.1 ppb	V.....	≤ 0.1 ppb
B.....	≤ 1 ppb	Fe.....	≤ 1 ppb	Ru.....	≤ 0.1 ppb	Yb.....	≤ 0.1 ppb
Cd.....	≤ 0.1 ppb	La.....	≤ 0.1 ppb	Rb.....	≤ 0.1 ppb	Y.....	≤ 0.1 ppb
Ca.....	≤ 1 ppb	Pb.....	≤ 0.1 ppb	Sm.....	≤ 0.1 ppb	Zn.....	≤ 1 ppb
Ce.....	≤ 0.1 ppb	Li.....	≤ 0.1 ppb	Sc.....	≤ 0.1 ppb	Zr.....	≤ 0.1 ppb
Cs.....	≤ 0.1 ppb	Lu.....	≤ 0.1 ppb	Se.....	≤ 1 ppb	Assay.....	47 ÷ 51 %

Code	Size	Packaging	Notes
405716	500 ml	Plastic bottle	

a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
t
u
v
w
x
y
z



Hydrofluoric acid 39.5%

• Acido fluoridrico 39.5% • Acide fluorhydrique 39.5% • Acido fluorhidrico 39.5% • Fluorwasserstoff 39.5%

HF

Molecular Weight: 20
CAS: 7664-39-3

Classification transport

ONU: 1790
Transport Hazard class: 8
Packing group II



Danger

H300-H310-H330-H314
P280-P284-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338-P403+P233

Hydrofluoric acid 39.5% > RPE - For analysis - ACS - ISO

RPE

Description	Clear colourless liquid	Sulphate	≤ 2 ppm	Co	≤ 0.02 ppm	Ni	≤ 0.02 ppm
Identification	Positive	Sulphite	≤ 2 ppm	Cr	≤ 0.05 ppm	Pb	≤ 0.05 ppm
Density at 20° C	1.127 ÷ 1.133	Ag	≤ 0.02 ppm	Cu	≤ 0.02 ppm	Sr	≤ 0.02 ppm
Assay (acidimetric)	39.1 ÷ 39.9 %	Al	≤ 0.05 ppm	Fe	≤ 0.2 ppm	Ti	≤ 0.1 ppm
Hydrofluosilicic acid	≤ 20 ppm	As	≤ 0.05 ppm	K	≤ 0.1 ppm	Tl	≤ 0.05 ppm
Chloride	≤ 1 ppm	Ba	≤ 0.1 ppm	Li	≤ 0.02 ppm	V	≤ 0.05 ppm
Phosphate	≤ 0.5 ppm	Be	≤ 0.02 ppm	Mg	≤ 0.2 ppm	Zn	≤ 0.05 ppm
Heavy metals (Pb)	≤ 0.5 ppm	Bi	≤ 0.1 ppm	Mn	≤ 0.05 ppm	Zr	≤ 0.1 ppm
Residue on ignition	≤ 5 ppm	Ca	≤ 0.5 ppm	Mo	≤ 0.05 ppm		
Subst. reducing KMnO4	≤ 4 ppm	Cd	≤ 0.01 ppm	Na	≤ 0.5 ppm		

Code	Size	Packaging	Notes
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405761	1 l	Plastic bottle	
405765	5 l	Plastic bottle	

Hydrofluoric acid 39.5% > RE - Pure

RE

Description	Clear colourless liquid	Residue on ignition	≤ 0.5 %	Fe	≤ 500 ppm
Identification	Positive	Sulphate	≤ 1 %	Assay (acidimetric)	38.0 ÷ 39.9 %

Code	Size	Packaging	Notes
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303731	1 l	Plastic bottle	
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Hydrofluoric acid 0.1 mol/l

• Acido fluoridrico 0.1M • Acide fluorhydrique 0.1M • Acido fluorhidrico 0.1M • Fluorwasserstoff 0.1 mol/l

Hydrofluoric acid 0.1 mol/l > RPE - For analysis

RPE

Code	Size	Packaging	Notes
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507410	1 l	Bottle	
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Hydrofluoric acid diluted

• Acido fluoridrico diluito • Acide fluorhydrique diluë • Acido fluorhidrico diluido • Fluorwasserstoff Verdünnte

HF

CAS: 7664-39-3

Classification transport

ONU: 2922
Transport Hazard class: 8
Packing group II



Danger

H290-H301-H311-H314
P280-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338

Hydrofluoric acid diluted > RPE - For analysis

RPE

Code	Size	Packaging	Notes
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405775	250 ml	Bottle	
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Contains ~ 2% of hydrofluoric acid, ~ 5% hydrochloric acid



Hydrogen peroxide solution 40% w/v

• Perossido di idrogeno soluzione 40% m/v • Eau oxygénée solution 40% m/v • Hidrógeno peróxido solución 40% p/v • Wasserstoffperoxyd 40% m/v

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

Classification transport

ONU: 2014
Transport Hazard class: 5.1
Packing group II



Danger

H302-H332-H315-H318-H335-H336
P304+P340-P310a-P305+P351+P338-P330-
P362+P364-P403+P233

Hydrogen peroxide solution 40% w/v > RE - Pure - Stabilized

RE

Description Clear colourless liquid Identification Positive Density at 18° C 1.127 ÷ 1.137 Assay (oxidimetric) ≥39 % m/v

Code	Size	Packaging	Notes
307701	1 l	Plastic bottle	
307708	5 l	Plastic bottle	
307709	60 kg	Plastic tank	

154 volumes



Hydrogen peroxide solution 35%

• Perossido di idrogeno soluzione 35% • Eau oxygénée solution 35% • Hidrógeno peróxido solución 35% • Wasserstoffperoxyd 35%

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

Classification transport

ONU: 2014
Transport Hazard class: 5.1
Packing group II



Danger

H302-H332-H315-H318-H335-H336
P304+P340-P310a-P305+P351+P338-P330-
P362+P364-P403+P233

Hydrogen peroxide solution 35% > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Description Clear colourless liquid Residue on ignition ≤ 0.05 % Chloride ≤ 0.005 % Assay 34.5 - 36.0 %
Identification Positive Free acid (H₂SO₄) ≤ 0.025 % Residue on evaporation ≤ 0.10 %
Appearance of solution Passes test Heavy metals (Pb) ≤ 0.0002 % Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
307742	2.5 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade
130 volumes



Hydrogen peroxide solution 30-32%

• Perossido di idrogeno soluzione 30-32% • Eau oxygénée solution 30-32% • Hidrógeno peróxido solución 30-32% • Wasserstoffperoxyd 30-32%

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

Classification transport

ONU: 2014
Transport Hazard class: LQ



Danger

H302-H332-H318
P261-P264-P271-P304+P340-P310a-
P305+P351+P338

Hydrogen peroxide solution 30-32% > RS - Ultrapure - For trace analysis at ppt level

RS

Description Clear colourless liquid	Er ≤ 1 ppt	Mo ≤ 10 ppt	Ta ≤ 10 ppt
Identification Positive	Eu ≤ 1 ppt	Nd ≤ 1 ppt	Te ≤ 1 ppt
Al ≤ 50 ppt	Gd ≤ 1 ppt	Ni ≤ 20 ppt	Tb ≤ 1 ppt
Sb ≤ 10 ppt	Ga ≤ 10 ppt	Nb ≤ 10 ppt	Ti ≤ 1 ppt
As ≤ 100 ppt	Ge ≤ 10 ppt	Pd ≤ 10 ppt	Th ≤ 1 ppt
Ba ≤ 10 ppt	Au ≤ 10 ppt	K ≤ 20 ppt	Tm ≤ 1 ppt
Be ≤ 10 ppt	Hf ≤ 1 ppt	Pr ≤ 1 ppt	Sn ≤ 50 ppt
Bi ≤ 10 ppt	Ho ≤ 1 ppt	Re ≤ 10 ppt	Tl ≤ 20 ppt
B ≤ 100 ppt	In ≤ 1 ppt	Rh ≤ 10 ppt	W ≤ 20 ppt
Cd ≤ 10 ppt	Fe ≤ 20 ppt	Rb ≤ 10 ppt	U ≤ 1 ppt
Ca ≤ 100 ppt	La ≤ 10 ppt	Ru ≤ 10 ppt	V ≤ 10 ppt
Ce ≤ 1 ppt	Pb ≤ 10 ppt	Sm ≤ 1 ppt	Yb ≤ 1 ppt
Cs ≤ 1 ppt	Li ≤ 10 ppt	Sc ≤ 10 ppt	Y ≤ 1 ppt
Cr ≤ 10 ppt	Lu ≤ 1 ppt	Se ≤ 100 ppt	Zn ≤ 50 ppt
Co ≤ 10 ppt	Mg ≤ 20 ppt	Ag ≤ 10 ppt	Zr ≤ 10 ppt
Cu ≤ 10 ppt	Mn ≤ 10 ppt	Na ≤ 50 ppt	Assay 30 ÷ 32 % (p/p)
Dy ≤ 1 ppt	Hg ≤ 50 ppt	Sr ≤ 10 ppt	

Code	Size	Packaging	Notes
412051	500 ml	Plastic bottle	



Hydrogen peroxide solution 30%

• Perossido di idrogeno soluzione 30% • Eau oxygénée solution 30% • Hidrógeno peróxido solución 30% • Wasserstoffperoxyd 30%

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

Classification transport
ONU: 2014
Transport Hazard class: LQ



Danger
H302-H332-H318
P261-P264-P271-P304+P340-P310a-
P305+P351+P338

Hydrogen peroxide solution 30% > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527621	1 l	Bottle	
527620	2.5 l	Bottle	

Stabilized; 110 volumes. For specifications, contact our customer service for a certificate of analysis

Hydrogen peroxide solution 30% > RS - RSE - For electronic use - Stabilized

RS

Description	Clear liquid	Chloride	≤0.5 ppm	Ca	≤0.05 ppm	Mn	≤0.01 ppm
Colour (APHA)	≤10	Phosphate	≤1 ppm	Cd	≤0.01 ppm	Na	≤0.05 ppm
Identification	Positive	Heavy metals (Pb)	≤1 ppm	Co	≤0.01 ppm	Ni	≤0.01 ppm
Density at 20° C	1.120 ÷ 1.124	Nitrate	≤2 ppm	Cr	≤0.01 ppm	Pb	≤0.01 ppm
Assay (oxidimetric)	29 ÷ 31 % m/m	Sulphate	≤1 ppm	Cu	≤0.01 ppm	Zn	≤0.02 ppm
Residue on evaporation	≤5 ppm	Al	≤0.1 ppm	Fe	≤0.03 ppm		
Acidity (H ₂ SO ₄)	≤20 ppm	As	≤0.01 ppm	K	≤0.02 ppm		
Ammonium	≤1 ppm	Ba	≤0.01 ppm	Mg	≤0.02 ppm		

Code	Size	Packaging	Notes
412161	1 l	Plastic bottle	
412162	5 l	Plastic bottle	
412163	25 kg	Drum	

110 volumes

Hydrogen peroxide solution 30% > RS - MOS - For electronic use - Stabilized

RS

Description	Clear liquid	Sulphate	≤2 ppm	Cr	≤0.01 ppm	Pb	≤0.02 ppm
Colour (APHA)	≤10	Ag	≤0.02 ppm	Cu	≤0.01 ppm	Pt	≤0.05 ppm
Identification	Positive	Al	≤0.1 ppm	Fe	≤0.1 ppm	Sb	≤0.01 ppm
Density at 18° C	1.120 ÷ 1.124	As	≤0.01 ppm	Ga	≤0.02 ppm	Sn	≤0.25 ppm
Assay (oxidimetric)	29.0 ÷ 31.0 %	Au	≤0.05 ppm	In	≤0.02 ppm	Sr	≤0.02 ppm
Residue on evaporation	≤10 ppm	B	≤0.02 ppm	K	≤0.1 ppm	Ta	≤0.1 ppm
Acidity (H ₂ SO ₄)	≤20 ppm	Ba	≤0.1 ppm	Li	≤0.01 ppm	Ti	≤0.05 ppm
Ammonium	≤1 ppm	Be	≤0.02 ppm	Mg	≤0.05 ppm	Tl	≤0.05 ppm
Chloride	≤0.5 ppm	Bi	≤0.02 ppm	Mn	≤0.01 ppm	V	≤0.05 ppm
Phosphate	≤1 ppm	Ca	≤0.2 ppm	Mo	≤0.05 ppm	Zn	≤0.05 ppm
Heavy metals (Pb)	≤0.2 ppm	Cd	≤0.01 ppm	Na	≤0.2 ppm	Zr	≤0.05 ppm
Nitrate	≤2 ppm	Co	≤0.01 ppm	Ni	≤0.01 ppm		

Code	Size	Packaging	Notes
412081	1 l	Plastic bottle	

110 volumes

Hydrogen peroxide solution 30% > RS - For agroalimentary analysis

RS

Aspect Conform Assay 29.0 ÷ 31.0 %

Code	Size	Packaging	Notes
502044	5 l	Plastic tank	

Stabilized; 110 volumes.

Hydrogen peroxide solution 30% > RS - For microanalysis - Stabilized

RS

Description Clear colourless liquid Identification Positive Density at 18° C 1.120 ÷ 1.124

Code	Size	Packaging	Notes
412102	250 ml	Plastic bottle	

110 volumes

Hydrogen peroxide solution 30% > RPE - For analysis - ACS - Reag.Ph.Eur. - Reag.USP - Stabilized**RPE**

Description	Clear liquid	Nitrate	≤2 ppm	Ca	≤0.2 ppm	Mn	≤0.01 ppm
Colour (APHA)	≤10	Sulphate	≤2 ppm	Cd	≤0.01 ppm	Na	≤0.5 ppm
Identification	Positive	Phosphate	≤2 ppm	Co	≤0.01 ppm	Ni	≤0.02 ppm
Density at 20° C	1.10 ÷ 1.13	Ammonium	≤5 ppm	Cr	≤0.02 ppm	Pb	≤0.02 ppm
Organic stabilizers	≤500 ppm	Heavy metals (Pb)	≤1 ppm	Cu	≤0.01 ppm	Zn	≤0.1 ppm
Residue on evaporation	≤20 ppm	Al	≤0.5 ppm	Fe	≤0.1 ppm	Assay (oxidimetric)	29.0 ÷ 31.0 % m/m
Acidity	≤0.0006 meq/g	As	≤0.01 ppm	K	≤0.1 ppm		
Chloride	≤0.5 ppm	Ba	≤0.05 ppm	Mg	≤0.1 ppm		

Code	Size	Packaging	Notes
412077	175 ml	Plastic bottle	
412071	250 ml	Plastic bottle	
412072	1 l	Plastic bottle	
412074	25 kg	Plastic drum	
412076	200 kg	Plastic drum	

Hydrogen peroxide solution 30% > ERBapharm - According to pharmacopoeia: Ph.Eur. - Stabilized**ERBapharm**

Description	Clear colourless liquid	Acidity	Conform Ph.Eur.	Organic stabilizers	≤ 500 ppm	Origin (BSE/TSE)	Synthesis
Identification	Positive	Non volat.substances	≤ 2 g/l	Assay (oxidimetric)	29.0 ÷ 31.0 %	Residual solvents (Current ICH)	Conform

Code	Size	Packaging	Notes
307685	25 kg	Drum	

110 volumes. In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Hydrogen peroxide solution 6%**

• Perossido di idrogeno soluzione 6% • Eau oxygénée en solution à 6% • Hidrógeno peróxido solución 6% • Wasserstoffperoxyd 6%

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Hydrogen peroxide solution 6% > RE - Pure**RE**

Description	Clear colourless liquid	Identification	Positive	Assay (oxidimetric)	5.75 ÷ 6.25 %
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Code	Size	Packaging	Notes
307641	10 l	Bottle	

Stabilized; 20 volumes.**Hydrogen peroxide solution 3.5% w/v**

• Perossido di idrogeno soluzione 3.5% m/v • Eau oxygénée solution 3.5% m/v • Hidrógeno peróxido solución 3.5% p/v • Wasserstoffperoxyd 3.5% w/v

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

HEU210

Hydrogen peroxide solution 3.5% w/v > RE - Pure**RE**

Description	Clear colourless liquid	Residue on evaporation	≤0.2 %	Heavy metals (Pb)	≤5 ppm
Identification	Positive	Acidity (HCl)	≤360 ppm	As	≤1 ppm
Density at 20° C	~ 1.015	Fixative	≤500 ppm	Assay (oxidimetric)	3.45 ÷ 3.75 % m/v

Code	Size	Packaging	Notes
E307661	1 l	Bottle	

Stabilized; 12 volumes.



Hydrogen peroxide solution 3%

• Perossido di idrogeno soluzione 3% • Eau oxygénée solution 3% • Hidrógeno peróxido solución 3% • Wasserstoffperoxyd 3%

H₂O₂
Molecular Weight: 34,01
CAS: 7722-84-1

HEU210

Hydrogen peroxide solution 3% > ERBApharm - According to pharmacopeia: Ph.Eur.-FU - Stabilized

ERBApharm

Description Clear colourless liquid Assay (oxidimetric) 2.5 ÷ 3.5 % Non volat.substances Conform Ph.Eur. Origin (BSE/TSE)..... Synthesis
Identification Positive Acidity Conform Ph.Eur. Organic stabilizers Conform Ph.Eur.

Code	Size	Packaging	Notes
307671	1 l	Plastic bottle	
307678	50 kg	Plastic tank	

10 volumes. In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Hydroquinone

• Idrochinone • Hydroquinone • Hidroquinona • Hydrochinon

Synonym:

- 1,4-Benzenediol
- 1,4-Dihydroxybenzene

1,4-(OH)₂C₆H₄
Molecular Weight: 110,11
CAS: 123-31-9
EEC-N: 204-617-8



Danger

H302-H318-H317-H341-H351-H400
P261-P280-P305+P351+P338-P310a-P330-P362+P364

Hydroquinone > RPE - For analysis

RPE

Description White crystals Melting point 171 ÷ 174 ° C Heavy metals (Pb) ≤ 5 ppm Fe ≤ 5 ppm
Identification Positive Loss on drying ≤ 1 % Residue on ignition ≤ 200 ppm Assay (oxidimetric) ≥ 99 %

Code	Size	Packaging	Notes
455325	250 g	Plastic bottle	

Hydroquinone > RE - Pure

RE

Description White crystals Melting point 170 ÷ 175 ° C Resorcinol ≤ 0.1 % Assay (oxidimetric) ≥ 99 %
Identification (I.R.) Conform Heavy metals (Pb) ≤ 10 ppm Fe ≤ 10 ppm

Code	Size	Packaging	Notes
348126	500 g	Plastic bottle	
348128	1 kg	Plastic bottle	
348129	5 kg	Plastic tank	
348124	25 kg	Plastic bucket	



p-Hydroxybenzaldehyde

• p-IdrossibenzAldeide • p-Hydroxybenzaldehyde • p-Hidroxibenzaldehído • p-Hydroxybenzaldehyd

HOC₆H₄CHO
Molecular Weight: 122,12
CAS: 123-08-0
EEC-N: 204-599-1

p-Hydroxybenzaldehyde > RE - Pure

RE

Description White crystalline powder Identification Positive Melting point 114 ÷ 117 ° C Assay (acidimetric) ≥ 98 %

Code	Size	Packaging	Notes
467254	100 g	Glass bottle	

Hydroxybenzene ► Phenol

2-Hydroxybenzoic acid ► Salicylic acid

**Hydroxylamine solution, alcoholic**

• Idrossilammina soluzione, alcolico • Hydroxylamine solution alcoolique • Hidroxilamina solución, alcohólico • Hydroxylaminlösung, alkoholisch

Classification transportONU: 2733
Transport Hazard class: 3
Packing group II**Danger**H225-H314
P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338**Hydroxylamine solution, alcoholic > RS - For analysis according to Ph. Eur. Chap. 4.1.1****RS**

Code	Size	Packaging	Notes
611044301	100 ml	Glass bottle	Ref Ph.Eur 1044301

**Hydroxylamine sulphate**

• Idrossilammina solfato • Hydroxylamine sulfate • Hidroxilamonio sulfato • Hydroxylaminsulfat

Synonym:
Hydroxylammonium sulfate $(\text{NH}_2\text{OH})_2 \cdot \text{H}_2\text{SO}_4$
Molecular Weight: 164,14
CAS: 10039-54-0
EEC-N: 233-118-8**Classification transport**ONU: 2865
Transport Hazard class: 8
Packing group III**Warning**H290-H302-H312-H315-H319-H317-H351-H373-H400
P280-P305+P351+P338-P308+P313-P330-P362+P364-P337+P313**Hydroxylamine sulphate > RPE - For analysis****RPE**Description White crystals Ammonium ≤0.1 % Heavy metals (Pb) ≤10 ppm Assay (oxidimetric) ≥99 %
Identification Positive Chloride ≤10 ppm Fe ≤5 ppm

Code	Size	Packaging	Notes
455525	250 g	Plastic bottle	
455527	1 kg	Plastic bottle	
455523	25 kg	Plastic bucket	

4-Hydroxy-4-methyl-2-pentanone ▶ Diacetone alcohol

1-Hydroxynaphthalene ▶ 1-Naphthol

2-Hydroxynaphthalene ▶ 2-Naphthol

**8-Hydroxyquinoline**

• 8-Ossichinolina • 8-Hydroxyquinoléine • 8-Oxiquinoleína • 8-Hydroxychinolin

 $\text{HO}C_8\text{H}_3\text{N}:\text{CHCH}:\text{CH}$
Molecular Weight: 145,16
CAS: 148-24-3
EEC-N: 205-711-1**Classification transport**ONU: 2811
Transport Hazard class: 6.1
Packing group III**Danger**H301-H318-H317-H360D-H410-HA26
P261-P280-P301+P310a-P330-P305+P351+P338-P308+P313**8-Hydroxyquinoline > RPE - For analysis****RPE**Description Off white to light brown crystal Melting point 72.5 ÷ 74.5 °C Sulphate ≤200 ppm
Identification Positive Residue on ignition ≤2000 ppm Assay ≥99.5 %

Code	Size	Packaging	Notes
467353	50 g	Glass bottle	
467355	250 g	Plastic bottle	
467356	1 kg	Plastic bottle	

3-Hydroxytoluene ▶ m-Cresol



Hypophosphorous acid 50%

• Acido ipofosforoso 50% • Acide hypophosphoreux 50% • Acido hipofosforoso 50% • Hypophosphorige Säure 50%



Molecular Weight: 66,04

CAS: 6303-21-5

EEC-N: 228-601-5

Classification transport

ONU: 3264

Transport Hazard class: 8

Packing group III



Danger

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Hypophosphorous acid 50% > RPE - For analysis

RPE

Description	Yellow colourless liquid	Fe	≤50 ppm	Sulphate (SO ₄ -)	≤ 500 mg/Kg
Arsenic (As)	≤ 0.05 mg/Kg	Lead (Pb)	≤ 0.5 mg/Kg	Assay (acidimetric)	≥49.5 %
Ca	≤ 30 ppm	Chloride (Cl-)	≤ 200 mg/Kg	Density at 20° C	~ 1.22

Code	Size	Packaging	Notes
406961	100 ml	Glass bottle	
406962	1 l	Glass bottle	

**Idrimer Erba Solution A**

• Idrimer Erba Soluzione A • Idrimer Erba Solution A • Idrimer Erba Solución A • Idrimer Erba Lösung A

Idrimer Erba Solution A > RPE - For analysis**RPE**

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E455256	500 ml	Bottle	
E455257	1 l	Bottle	

For water hardness. Titrant 1 ml = 1 mg CaCO₃**Idrimer Erba Solution B**

• Idrimer Erba Soluzione B • Idrimer Erba Solution B • Idrimer Erba Solución B • Idrimer Erba Lösung B

**Warning**H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Idrimer Erba Solution B > RPE - For analysis****RPE**

Description Clear colourless liquid Identification Positive pH at 20° C 9.8 ÷ 10.2

Code	Size	Packaging	Notes
E455266	500 ml	Bottle	
E455267	1 l	Bottle	

For water hardness. Buffer pH 10**Idrimer Erba Indicator C**

• Idrimer Erba Indicatore C • Idrimer Erba Indicateur C • Idrimer Erba Indicador C • Idrimer Erba Anzeige C

Idrimer Erba Indicator C > RPE - For analysis**RPE**

Description Violet granular powder Identification Positive

Code	Size	Packaging	Notes
E455271	10 g	Bottle	
E455274	100 g	Bottle	

For water hardness**Imidazole**

• Imidazolo • Imidazole • Imidazol • Imidazol

Synonym:

- 1,3-Diaza-2,4-cyclopentadiene
- Glyoxaline

C₃H₄N₂

Molecular Weight: 68,08

CAS: 288-32-4

EEC-N: 206-019-2

Classification transport

ONU: 3263

Transport Hazard class: 8

Packing group III

**Danger**

H302-H314-H360D-HA26

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Imidazole > RS - For microanalysis**RS**

Description White crystals Identification Positive Assay (GC) ≥ 98.5 %

Code	Size	Packaging	Notes
445551	2 g	Glass bottle	
445552	25 g	Glass bottle	



Immersion oil

• Olio d'immersione • Huile pour immersion • Aceite de inmersión • Immersionsöl



Warning

H302-H411

P264-P270-P301+P312a-P330-P391-P501a

Immersion oil > RS - For microscopy

RS

Description Clear liquid Identification Positive Density at 20° C >1.0

Code	Size	Packaging	Notes
466782	100 ml	Glass bottle	
466783	1 l	Glass bottle	

contains benzylbenzoate



Indicator for ammoniacal nitrogen solution

• Indicatore per azoto ammoniacale soluzione • Indicateur pour l'azote ammoniacal • Indicador para nitrógeno amoniacal solución
• Indikator für ammoniakalischen Stickstoff

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group III



Warning

H226-H319

P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Indicator for ammoniacal nitrogen solution > RPE - For analysis

RPE

Description Dark green liquid Identification Positive pH range 4.4 - 6.0

Code	Size	Packaging	Notes
E455651	250 ml	Glass bottle	



Indicator for iodometry

• Indicatore per iodometria • Indicateur pour iodométrie • Indicador para iodometría • Indikator für die Jodometrie

EEC-N: 232-679-6

Indicator for iodometry > RPE - For analysis

RPE

Description White powder Identification Positive

Code	Size	Packaging	Notes
455622	25 g	Glass bottle	
455621	250 g	Plastic bottle	



Indicator papers

• Cartine indicatrici di pH • Papier indicateur de pH • Papel indicador de pH • pH-Indikatorpapier

Indicator papers > RS - For pHmetry

RS

Code	Size	Packaging	Notes
435131000	1 roll	Dispenser	Trichromatic scale, pH range 1.0 - 11.0, Sensitivity 1,0 pH
435140000	1 roll	Dispenser	Monochromatic scale, pH range 1.0 - 11.0, Sensitivity 1,0 pH
435150000	1 roll	Dispenser	Monochromatic scale, pH range 1.0 - 14.0, Sensitivity 1,0/2,0 pH
435161000	1 roll	Dispenser	Monochromatic scale, pH range 3.8 - 5.8, Sensitivity 0.2/0.3 pH
435421000	1 roll	Dispenser	Monochromatic scale. pH range 0.5 - 5.5. Sensitivity 0.5 pH
435431000	1 roll	Dispenser	Monochromatic scale. pH range 4.0 - 7.0. Sensitivity 0.3 pH
435441000	1 roll	Dispenser	Monochromatic scale. pH range 6.4 - 8.0. Sensitivity 0.2 pH
435451000	1 roll	Dispenser	Monochromatic scale. pH range 7.2 - 9.7. Sensitivity 0.3 pH
435511000	1 roll	Dispenser	Monochromatic scale. pH range 5.5 - 9.0. Sensitivity 0.5 pH

Indicator papers > RS - High sensitivity-Integrated chromatic scale

RS

Code	Size	Packaging	Notes
435493000	100 stripes	Tube	pH range 1.0 - 2.8. Sensitivity 0.2/0.3
435494000	100 stripes	Tube	pH range 1.8 - 3.8. Sensitivity 0.2/0.3
435496000	100 stripes	Tube	pH range 3.8 - 5.5. Sensitivity 0.2/0.3
435498000	100 stripes	Tube	pH range 6.0 - 8.1. Sensitivity 0.2/0.3
435502000	100 stripes	Tube	pH range 8.0 - 9.7. Sensitivity 0.2/0.3

Strip 11 x 100 mm

Indicator papers > RS - Indelibles - with colour scale

RS

Code	Size	Packaging	Notes
435121000	100 stripes	Tube	pH range 0.0 - 14.0, Sensitivity 1.0
435642000	100 stripes	Tube	pH range 0.0 - 6.0. Sensitivity 0.5
435643000	100 stripes	Tube	pH range 2.0 - 9.0. Sensitivity 0.5
435644000	100 stripes	Tube	pH range 4.5 - 10.0. Sensitivity 0.5
435645000	100 stripes	Tube	pH range 7.0 - 14.0. Sensitivity 0.3/0.4

Strip 6 x 85 mm



Indicator universal pH 0-5 hydroalcoholic solution

- Indicatore universale pH 0-5 soluzione idroalcolica • Indicateur universel pH 0-5 solution hydroalcoolique
- Indicador universal pH 0-5 solución hidroalcohólica • Universalanzeige pH-Wert 0-5 hydroalkoholische Lösung

Classification transport

ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger

H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Indicator universal pH 0-5 hydroalcoholic solution > RPE - For analysis

RPE

Description Dark green liquid Identification Positive Functionality Conform

Code	Size	Packaging	Notes
E455661	25 ml	Glass bottle	
E455662	500 ml	Glass bottle	

With chromatic scale



Indicator universal pH 1-11 hydroalcoholic solution

- Indicatore universale pH 1-11 soluzione idroalcolica • Indicateur universel pH 1-11 solution hydroalcoolique
- Indicador universal pH 1-11 solución hidroalcohólica • Hydroalkoholische Universalanzeige für pH 1-11



Warning

H319
 P264-P280i-P305+P351+P338-P337+P313

Indicator universal pH 1-11 hydroalcoholic solution > RPE - For analysis

RPE

Description Dark green liquid Identification Positive Functionality Conform

Code	Size	Packaging	Notes
E455702	25 ml	Glass bottle	
E455706	500 ml	Plastic bottle	

With chromatic scale

**Indicator universal pH 1-11 water solution**

- Indicatore universale pH 1-11 soluzione in acqua • Indicateur universel pH 1-11 solution aqueuse • Indicador universal pH 1-11 solución en agua
- Universalindikator pH 1-11 wässrige Lösung

Indicator universal pH 1-11 water solution > RPE - For analysis**RPE**

Description Dark green liquid Identification Positive Functionality Conform

Code	Size	Packaging	Notes
E455711	25 ml	Glass bottle	
E455712	500 ml	Glass bottle	

With chromatic scale**Indigo carmine dried**

- Carminio indaco secco • Carmin d'indigo sec • Indigo Carmin seco • Indigo Carmine getrocknet

Synonym:
Acid Blue 74

$C_{16}H_8N_2Na_2O_8S_2$
Molecular Weight: 466,36
CAS: 860-22-0
EEC-N: 212-728-8

Indigo carmine dried > RPE - For analysis - C.I. 73015**RPE**Description Polvere blu viola Identification Positive Colour change..... (blue - yellow) Assay $\geq 85\%$

Code	Size	Packaging	Notes
434932	25 g	Glass bottle	

Dye for microscopy (bacteriology histology). Indicator acid - base (pH 11.6 ÷ 14)**Indigo carmine solution**

- Carminio indaco soluzione • Carmin d'indigo solution • Indigo carmin solución • Indigo-Karmin-Lösung

Synonym:
Acid Blue 74

$C_{16}H_8N_2Na_2O_8S_2$
Molecular Weight: 466,36
CAS: 860-22-0

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Indigo carmine solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611045601	1 l	Plastic bottle	Ref Ph.Eur 1045601

**Indium standard solution**

- Indio standard soluzione • Indium solution standard • Indio, solución patrón • Indium-Standardlösung

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III

**Indium standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505662	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505665	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505663	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Indium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503651	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503653	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503655	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503657	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Indium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507743	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
507508	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Indole

• Indolo • Indole • Indol • indol

Synonym:

1H-Benzo[b]pyrrole

C_8H_7NH
Molecular Weight: 117,15
CAS: 120-72-9
EEC-N: 204-420-7

Classification transport
ONU: 2811
Transport Hazard class: 6.1
Packing group III



Danger
H302-H311
P264-P270-P280h-P301+P312a-P330-P501a

Indole > RPE - For analysis

RPE

Description White powder or flakes Identification Positive Melting point $51 \div 53$ ° C Assay (spectrophotom.) ≥ 99 %

Code	Size	Packaging	Notes
455801	10 g	Glass bottle	



Inositol

• Inositolo • Inositol • Inositol • Inosit

Synonym:

1,2,3,4,5,6-Hexahydroxycyclohexane

$CHOH(CHOH)_4CHOH$
Molecular Weight: 180,16
CAS: 87-89-8
EEC-N: 201-781-2

Inositol > RPE - For analysis

RPE

Description White crystalline powder Chloride ≤ 50 ppm Calcium Negative Cd ≤ 0.00082 %
Identification Positive Heavy metals (Pb) ≤ 25 ppm Fe ≤ 5 ppm Hg ≤ 0.00006 %
Melting point $224.0 \div 227.0$ ° C Residue on ignition ≤ 0.1 % Assay (gravimetric) ≥ 98.0 % Pb ≤ 0.001 %
Loss on drying ≤ 0.5 % Sulphate ≤ 60 ppm As ≤ 0.0003 %

Code	Size	Packaging	Notes
455853	50 g	Glass bottle	

Inositol > RE - Pure

RE

Description White powder Loss on drying ≤ 0.5 % Chloride ≤ 100 ppm Sulphate ≤ 150 ppm
Identification Positive Sulphated ash ≤ 0.1 % Heavy metals (Pb) ≤ 40 ppm Fe ≤ 10 ppm

Code	Size	Packaging	Notes
348354	100 g	Plastic bottle	



Inulin

• Inulina • Inuline • Inulina • Inulin

(C₆H₁₀O₅)_n
CAS: 9005-80-5
EEC-N: 232-684-3

Inulin > RPE - For analysis

RPE

Description White crystalline powder (c= 2 in water) Chloride.....≤50 ppm Fe≤10 ppm
Identification Positive Loss on drying ≤10 % Sulphate.....≤50 ppm
Specific optical rotation on dry -32 ÷ -40 ° Residue on ignition..... ≤0.1 % Heavy metals (Pb).....≤10 ppm

Code	Size	Packaging	Notes
455901	10 g	Glass bottle	
455902	25 g	Glass bottle	
455903	100 g	Glass bottle	



Iodide standard solution

• Ioduri standard soluzione • Iodure solution standard • Yoduro, solución patrón • Jodid-Standardlösung

Iodide standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503261	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503263	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Iodine

• Iodio • Iode • Yodo • Jod

I₂
Molecular Weight: 253,8
CAS: 7553-56-2
EEC-N: 231-442-4

Classification transport
ONU: 3495
Transport Hazard class: 8
Packing group III



Danger

H302-H312-H332-H315-H319-H335-H372-H400
P271-P304+P340-P305+P351+P338-P332+P313-
P337+P313-P403+P233

Iodine > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBApharm

Description Grey-violet crystals Chloride + bromide (Cl) ≤ 0.025 % Assay (iodometric) 99.8 ÷ 100.5 %
Identification Positive Residue on ignition ≤ 0.05 %

Code	Size	Packaging	Notes
348454	100 g	Glass bottle	
348455	250 g	Glass bottle	
348457	1 kg	Glass bottle	
348451	5 kg	Metallic can	
348452	20 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Iodine resublimed

• Iodio bisublimato • Iode bisublimé • Yodo bisublimado • Jod wieder sublimiert

I₂
Molecular Weight: 253,8
CAS: 7553-56-2
EEC-N: 231-442-4

Classification transport
ONU: 3495
Transport Hazard class: 8
Packing group III



Danger
H302-H312-H332-H315-H319-H335-H372-H400
P271-P304+P340-P305+P351+P338-P332+P313-
P337+P313-P403+P233

Iodine resublimed > RPE - For analysis

RPE

Description Grey-violet crystals Residue on evaporation ≤100 ppm Assay (oxidimetric) ≥99.8 %
Identification Positive Chlorine-Bromine ≤100 ppm

Code	Size	Packaging	Notes
455959	100 g	Glass bottle	
455955	250 g	Glass bottle	
455957	1 kg	Glass bottle	
455954	25 kg	Metal drum	



Iodine 0.5 mol/l (1N)

• Iodio 0.5 mol/l (1N) • Iode 0.5 mol/l (1N) • Yodo 0.5 mol/l (1N) • Jod 0.5 mol/l (1N)

I₂
Molecular Weight: 253,8
CAS: 7553-56-2



Warning
H373
P260-P314-P501a

Iodine 0.5 mol/l (1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613009400	1 l	Glass bottle	Ref Ph.Eur 3009400

Storage: protected from light

Iodine 0.5 mol/l (1N) > RPE - For analysis

RPE

Description Brown red liquid Assay (potentiometry) 0.99 - 1.01 N NIST 136.....e

Code	Size	Packaging	Notes
456135000	500 ml	Glass bottle	Certified with NIST traceability
456137000	1 l	Glass bottle	Certified with NIST traceability

126.9 g of I₂. Volumetric solution ready-to-use



Iodine 0.05 mol/l (0.1N)

• Iodio 0.05 mol/l (0.1N) • Iode 0.05 mol/l (0.1N) • Yodo 0.05 mol/l (0.1N) • Jod 0.05 mol/l (0.1N)

I₂
Molecular Weight: 253,8
CAS: 7553-56-2



Warning
H373
P260-P314-P501a

Iodine 0.05 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613002700	1 l	Glass bottle	Ref Ph.Eur 3002700

Storage: protected from light

Iodine 0.05 mol/l (0.1N) > RPE - For analysis

RPE

Description Brown red liquid Assay (potentiometry) 0.0998 - 0.1002 N NIST 136.....e

Code	Size	Packaging	Notes
456036000	500 ml	Glass bottle	Certified with NIST traceability
456037000	1 l	Glass bottle	Certified with NIST traceability

12.69 g of I₂. Volumetric solution ready-to-use

Iodine 0.05 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Brown red liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
456051		Glass ampoule	Volume: 60 ml

12,69 g of I2. Volumetric concentrated solution to prepare 1 L of solution 0,1 N


Iodine 0.01 mol/l (0.02N)

• Iodio 0.01 mol/l (0.02N) • Iode 0.01 mol/l (0.02N) • Yodo 0.01 mol/l (0.02N) • Jod 0.01 mol / l (0.02 N)

 I_2
 Molecular Weight: 253,8
 CAS: 7553-56-2

Warning

 H373
 P260-P314-P501a

Iodine 0.01 mol/l (0.02N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613002900	1 l	Glass bottle	Ref Ph.Eur 3002900

Storage: protected from light


Iodine 0.005 mol/l (0.01N)

• Iodio 0.005 mol/l (0.01N) • Iode 0.005 mol/l (0.01N) • Yodo 0.005 mol/l (0.01N) • Jod 0.005 mol/l (0.01N)

 I_2
 Molecular Weight: 253,8
 CAS: 7553-56-2

Danger

 H315-H319-H372
 P260-P264-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Iodine 0.005 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Brown clear liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
456121		Glass ampoule	Volume: 60 ml

1,269 g of I2. Volumetric concentrated solution to prepare 1 L of solution 0,01 N


Iodine 10 ppm

• Iodio 10 ppm • Iode 10 ppm • Yodo 10 ppm • Jod 10 ppm

Iodine 10 ppm > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003809	100 ml	Glass bottle	Concentrated solution: to dilute according to Ref Ph.Eur 5003800



Iodine bromide solution

• Iodo bromuro soluzione • Iode bromure solution • Yodo bromuro solución • Jodbromidlösung

Classification transport

 ONU: 2734
 Transport Hazard class: 8
 Packing group II

Danger

 H226-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Iodine bromide solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611045901	1 l	Glass bottle	Ref Ph.Eur 1045901

Storage: protected from light



Iodoform

• Iodoformio • Iodoforme • Yodoformo • Iodoform

Synonym:
Triiodomethane

CHI₃
Molecular Weight: 393,73
CAS: 75-47-8
EEC-N: 200-874-5



Warning

H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Iodoform > RE - Pure

RE

DescriptionYellow crystalline powder Loss on drying ≤ 1.0 % Assay (argentimetric) ≥ 99.0 % Acidity or alkalinity Conform
Identification Positive Sulphated ash ≤ 0.2 % Appearance of solution Conform Chloride ≤ 50 ppm

Code	Size	Packaging	Notes
348554	100 g	Glass bottle	
348558	25 kg	Drum	

Iodomethane ▶ Methyl iodide



Iodoplatinate reagent

• Reattivo iodoplatinato • Réactif à l'iodoplatinate • Yodoplatinato reactivo • Iodoplatinat-Reagenz

Iodoplatinate reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611046309	200 ml	Glass bottle	Ref Ph.Eur 1046300
611046300	1 l	Glass bottle	Ref Ph.Eur 1046300

Storage: protected from light

IPA ▶ Propan-2-ol



Iridium standard solution

• Iridio standard soluzione • Iridium solution standard • Iridio, solución patrón • Iridium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Iridium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505675	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Iron, powder

• Ferro, polvere • Fer, poudre • Hierro, polvo • Eisenpulver

Fe
Molecular Weight: 55,85
CAS: 7439-89-6
EEC-N: 231-096-4

Classification transport

ONU: 3089
Transport Hazard class: 4.1
Packing group III



Warning

H228
P210-P240-P241-P280-P370+P378a

Iron, powder > RPE - For analysis

RPE

Description Grey powder Identification Positive Assay ≥97 %

Code	Size	Packaging	Notes
451377	1 kg	Plastic bottle	
451373	25 kg	Plastic bucket	



Iron, reduced by hydrogen

• Ferro, ridotto dall'idrogeno • Fer, réduit par l'hydrogène • Hierro, reducido para el hidrógeno • Eisen, reduziert durch Wasserstoff

Fe
Molecular Weight: 55,85
CAS: 7439-89-6
EEC-N: 231-096-4

Classification transport
ONU: 3089
Transport Hazard class: 4.1
Packing group III



Warning
H228
P210-P240-P241-P280-P370+P378a

Iron, reduced by hydrogen > RPE - For analysis

RPE

Description Grey powder Ferric ion Conform H2SO4-insoluble matter ≤0.5 % Assay ≥95 %
Identification Positive Nitrogen compounds (N) ≤50 ppm Water solubility ≤0.1 %

Code	Size	Packaging	Notes
451395	250 g	Glass bottle	
451397	1 kg	Plastic bottle	



Iron standard solution

• Ferro standard soluzione • Fer solution standard • Hierro, solución patrón • Eisenstandardlösung

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III



Warning
H290
P234-P390-P406

Iron standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001601	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001601
615001602	100 ml	Plastic bottle	A 8 ppm solution: to dilute according to Ref Ph.Eur 5001602
615001603	100 ml	Plastic bottle	A 2 ppm solution: to dilute according to Ref Ph.Eur 5001603
615001605	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5001605
615001606	100 ml	Plastic bottle	A 250 ppm solution: to dilute according to Ref Ph.Eur 5001606
615001609	100 ml	Plastic bottle	A 20 ppm solution: to dilute according to Ref Ph.Eur 5001600

Iron standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505612	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505615	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505613	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Iron standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503581	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503583	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503585	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503587	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Iron standard solution > RS - Standard solution for AAS

RS

Description Yellow clear liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
504194	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507393	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497515	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497511	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Iron standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Yellow clear liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
451311		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

**Iron (II) ammonium sulfate hexahydrate**

• Ferro ammonio solfato oso esaidrato • Fer(II) ammonium sulfate hexahydraté
• Hierro (II) amonio sulfato hexahidratado • Eisen (II) ammoniumsulfathexahydrat

Synonym:

• Ammonium iron(II) sulfate hexahydrate
• Mohr's salt

$\text{Fe}(\text{NH}_4)_2(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 392,14
CAS: 7783-85-9
EEC-N: 233-151-8

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Iron (II) ammonium sulfate hexahydrate > RPE - For analysis - ACS

RPE

Description Green - azure crystals Ferric salt ≤ 100 ppm Assay (oxidimetric) 98.5 ÷ 101.5 % Na ≤ 0.02 %
Identification Positive Cu ≤ 30 ppm Water-insoluble matter ≤ 100 ppm
Phosphate ≤ 30 ppm Mn ≤ 100 ppm Mg ≤ 20 ppm
Ca ≤ 50 ppm Zn ≤ 30 ppm K ≤ 20 ppm

Code	Size	Packaging	Notes
451453	100 g	Plastic bottle	
451451	500 g	Plastic bottle	
451457	1 kg	Plastic bottle	
451452	25 kg	Plastic bucket	

Iron (II) ammonium sulfate hexahydrate > RE - Pure

RE

Description Green - azure crystals Identification Positive Ferric ion ≤ 0.01 % Assay (oxidimetric) ≥ 98 %

Code	Size	Packaging	Notes
344007	1 kg	Plastic bottle	
344008	5 kg	Plastic tank	
344003	25 kg	Plastic bucket	

**Iron (II) ammonium sulfate 0.12N**

• Ammonio ferrosolfato (II) 0.12N • Fer (II) ammonium sulfate 0.12N • Amonio Hierro (II) sulfato 0.12N • Eisen (II) ammoniumsulfat 0.12 N

$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 392,14
CAS: 7783-85-9

HEU210

Iron (II) ammonium sulfate 0.12N > RS - For environmental analysis (COD determination)

RS

Code	Size	Packaging	Notes
526761	1 l	Bottle	

Iron (II) ammonium sulfate 0.1N
 • Ferro ammonio solfato oso 0.1N • Fer(II) ammonium sulfate 0.1N • Amonio (II) hierro II sulfato 0.1 N
 • Eisen (II) ammoniumsulfat 0.1 N

Synonym:
 • Ammonium iron(II) sulfate hexahydrate
 • Mohr's salt

Fe(NH₄)₂(SO₄)₂·6H₂O
 Molecular Weight: 392,14
 CAS: 7783-85-9

Classification transport
 ONU: 2796
 Transport Hazard class: 8
 Packing group II



Warning
 H290-H315-H319
 P264-P280a-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Iron (II) ammonium sulfate 0.1N > RPE - For analysis

RPE

Assay (potentiometry) 0.099 - 0.101 N

Code	Size	Packaging	Notes
P3250016	1 l	Glass bottle	

Iron (II) chloride tetrahydrate
 • Ferro cloruro oso tetraidrato • Fer (II) chlorure tétrahydraté • Hierro (II) cloruro tetrahidratado
 • Eisen(II)-chlorid-Tetrahydrat

Synonym:
 Ferrous chloride tetrahydrate

FeCl₂·4H₂O
 Molecular Weight: 198,81
 CAS: 13478-10-9
 EEC-N: 231-843-4

Classification transport
 ONU: 3260
 Transport Hazard class: 8
 Packing group III



Danger
 H302-H315-H318
 P264-P305+P351+P338-P310a-P330-P362+P364-
 P332+P313

Iron (II) chloride tetrahydrate > RPE - For analysis

RPE

Description Yellow-green crystals
 Identification Positive
 Total nitrogen ≤20 ppm
 Phosphate ≤10 ppm

Subst. not ppt NH₄OH ≤500 ppm
 Ferric salt ≤0.2 %
 Sulphate ≤50 ppm
 As ≤1 ppm

Cr ≤20 ppm
 Cu ≤20 ppm
 Mn ≤0.1 %
 Ni ≤50 ppm

Pb ≤20 ppm
 Zn ≤20 ppm
 Assay (oxidimetric) ≥ 99 %

Code	Size	Packaging	Notes
451574	100 g	Plastic bottle	
451575	500 g	Plastic bottle	
451576	1 kg	Plastic bottle	
451573	25 kg	Drum	

Iron (II) sulfate heptahydrate
 • Ferro solfato oso eptaidrato • Fer (II) sulfate heptahydraté • Hierro (II) sulfato heptahidratado
 • Eisen(II) sulfat heptahydrat

Synonym:
 Ferrous sulfate heptahydrate

FeSO₄·7H₂O
 Molecular Weight: 278,05
 CAS: 7782-63-0
 EEC-N: 231-753-5



Warning
 H302-H315-H319
 P264-P280a-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Iron (II) sulfate heptahydrate > RPE - For analysis - ACS

RPE

Description Green - azure crystals
 Identification Positive
 Ferric salt ≤ 0.1 %
 Water-insoluble matter ≤ 100 ppm

Ca ≤ 50 ppm
 Chloride ≤ 10 ppm
 Phosphate ≤ 10 ppm
 Cu ≤ 50 ppm

Mn ≤ 0.05 %
 Zn ≤ 50 ppm
 Assay (oxidimetric) ≥ 99.0 %
 Mg ≤ 20 ppm

K ≤ 20 ppm
 Na ≤ 0.02 %

Code	Size	Packaging	Notes
451878	100 g	Plastic bottle	
451877	1 kg	Plastic bottle	
451879	5 kg	Plastic jar	

Iron (II) sulfate heptahydrate > ERBApharm - According to pharmacopoeia: BP-DAB-FU-Ph.Eur.-Ph.Franc.**ERBApharm**

Description	Green azure crystals	Chloride	≤ 200 ppm	Cu	≤ 50 ppm	Zn	≤ 50 ppm
Identification	Positive	Ferric ion	≤ 0.3 %	Mn	≤ 0.1 %	Assay (oxidimetric)	98.0 ÷ 105.0 %
pH solution 5%	3.0 ÷ 4.0	Cr	≤ 50 ppm	Ni	≤ 50 ppm		

Code	Size	Packaging	Notes
344957	1 kg	Plastic bottle	
344959	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Iron (II) sulfate 0.1 mol/l**

Synonym:

• Ferro solfato oso 0.1 mol/l • Fer (II) sulfate 0.1 mol/l • Hierro (II) sulfato 0.1 mol/l • Eisen (II) sulfat 0.1 mol / l *Ferrous sulfate 0.1 mol/l*

HEU210

Iron (II) sulfate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613001400	1 l	Plastic bottle	Ref Ph.Eur 3001400

**Iron (III) ammonium citrate green**

Synonym:

• Ferro ammonio citrato verde • Fer (III) ammonium citrate vert • Hierro (III) y amonio citrato verde
• Eisen (III) -ammoniumciträtgrün

• Ammonium iron(III) citrate
• Ammonium ferric citrate

FeNH₄(C₆H₅O₇)
Molecular Weight: 482,19
CAS: 1185-57-5
EEC-N: 214-686-6

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Iron (III) ammonium citrate green > RE - Pure**RE**

Description	Green-yellowish crystalline powder	Sulphate	≤ 0.5 %	Assay (oxidimetric)	14.0 ÷ 16.0 % Fe
Identification	Positive	As	≤ 4 ppm		

Code	Size	Packaging	Notes
343605	250 g	Plastic bottle	
343607	1 kg	Plastic bottle	
343606	5 kg	Plastic tank	

**Iron (III) ammonium citrate red**

Synonym:

• Ferro ammonio citrato rosso • Fer (III) ammonium citrate rouge • Hierro (III) y amonio citrato rojo
• Eisen (III) ammoniumciträt rot

• Ammonium iron(III) citrate
• Ammonium ferric citrate

FeNH₄(C₆H₅O₇)
Molecular Weight: 482,19
CAS: 1185-57-5
EEC-N: 214-686-6

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Iron (III) ammonium citrate red > RE - Pure**RE**

Description	Red-brown powder	Sulphate	≤ 0.6 %	Assay (oxidimetric)	20 ÷ 23 % Fe
Identification	Positive	As	≤ 5 ppm		

Code	Size	Packaging	Notes
343441	250 g	Plastic bottle	
343442	1 kg	Plastic bottle	
343443	5 kg	Plastic tank	



Iron (III) ammonium oxalate

• Ferro ammonio ossalato ico • Fer (III) ammonium oxalate • Hierro (III) y amonio oxalato • Eisen (III) ammoniumoxalat

$(\text{NH}_4)_3\text{Fe}(\text{C}_2\text{O}_4)_3 \cdot 3\text{H}_2\text{O}$
Molecular Weight: 428,08
CAS: 15187-32-3

Iron (III) ammonium oxalate > RE - Pure

RE

Description Green crystals pH 10% at 25° C 4.0 ÷ 6.0 Sulphate ≤50 ppm
Identification Positive Chloride ≤50 ppm Assay (oxidimetric) ≥98 %

Code	Size	Packaging	Notes
343757	1 kg	Plastic bottle	



Iron (III) ammonium sulfate dodecahydrate

• Ferro ammonio solfato ico dodecaidrato • Fer (III) ammonium sulfate dodécahydraté
• Hierro (III) amonio sulfato dodecahidrato • Eisen (III) ammoniumsulfat dodecahydrat

Synonym:

• Ammonium iron(III) sulfate dodecahydrate
• Ammonium ferric sulfate dodecahydrate

$\text{FeNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Molecular Weight: 482,19
CAS: 7783-83-7
EEC-N: 616-517-5



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Iron (III) ammonium sulfate dodecahydrate > RPE - For analysis

RPE

Description Purple semitransparent crystals Diluted HCl-ins. matter ≤50 ppm Cr ≤100 ppm Na ≤150 ppm
Identification Positive Nitrate ≤50 ppm Cu ≤10 ppm Ni ≤20 ppm
pH sol. 5% at 25° C 1.75 ÷ 2.75 Subst. not ppt NH4OH ≤0.1 % K ≤300 ppm Pb ≤30 ppm
Chloride ≤3 ppm As ≤2 ppm Mg ≤50 ppm Zn ≤20 ppm
Phosphate ≤20 ppm Ca ≤10 ppm Mn ≤100 ppm Assay (oxidimetric) ≥98 %

Code	Size	Packaging	Notes
451503	100 g	Plastic bottle	
451505	500 g	Plastic bottle	
451507	1 kg	Plastic bottle	
451502	25 kg	Plastic bucket	
451504	50 kg	Plastic bucket	

Iron (III) ammonium sulfate dodecahydrate > RE - Pure

RE

Description Cristalli semitrasparenti violacei Assay (oxidimetric) ≥ 98.0 % Subst. not ppt NH4OH ≤ 0.1 % Zn ≤ 50 ppm
Identification Positive Chloride ≤ 0.05 % Cu ≤ 20 ppm

Code	Size	Packaging	Notes
344107	1 kg	Plastic bottle	
344108	5 kg	Plastic tank	



Iron (III) ammonium sulfate solution 33% in nitric acid

• Ferro ammonio solfato ico soluzione 33% in acido nitrico • Fer (III) ammonium sulfate 33% dans l'acide nitrique
• Hierro (III) amonio sulfato solución 33% en acido nítrico • Eisen (III) ammoniumsulfatlösung 33% in Salpetersäure

Classification transport

ONU: 2031
Transport Hazard class: 8
Packing group II



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Iron (III) ammonium sulfate solution 33% in nitric acid > RPE - For analysis

RPE

Description Yellow - brown liquid Identification Positive Assay 32 ÷ 34 %

Code	Size	Packaging	Notes
E451521	500 ml	Glass bottle	

**Iron (III) ammonium sulfate 0.1 mol/l**

• Ferro ammonio solfato ico 0.1 mol/l • Fer (III) ammonium sulfate 0.1 mol/l • Hierro (III) amonio sulfato 0.1 mol/l • Eisen (III) ammoniumsulfat 0.1 mol / l

Iron (III) ammonium sulfate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613001300	1 l	Plastic bottle	Ref Ph.Eur 3001300

**Iron (III) ammonium sulfate solution 100 g/l**

• Ferro ammonio solfato ico soluzione 100 g/l • Fer (III) ammonium sulfate 100 g/l • Hierro (III) amonio sulfato solución 100 g/l • Eisen (III) ammoniumsulfat 100 g / l

**Warning**H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Iron (III) ammonium sulfate solution 100 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1**

RS

Code	Size	Packaging	Notes
611037703	100 ml	Plastic bottle	Ferric ammonium sulfate solution R2 Ref Ph.Eur 1037702
611037702	1 l	Plastic bottle	Ferric ammonium sulfate solution R2 Ref Ph.Eur 1037702

**Iron (III) chloride anhydrous sublimed**

• Ferro cloruro ico anidro sublimato • Fer (III) chlorure anhydre sublimé • Hierro (III) cloruro anhidro sublimado • Eisen(III) chlorid wasserfreies sublimiertes

Synonym:

*Ferric chloride*FeCl₃
Molecular Weight: 162,21
CAS: 7705-08-0
EEC-N: 231-729-4**Classification transport**ONU: 1773
Transport Hazard class: 8
Packing group III**Danger**H302-H315-H318
P264-P305+P351+P338-P310a-P330-P362+P364-
P332+P313**Iron (III) chloride anhydrous sublimed > RPE - For analysis**

RPE

Description	Black powder	As	≤ 20 ppm	Ni	≤ 500 ppm	Assay (oxidimetric)	≥ 98 %
Identification	Positive	Cu	≤ 0.1 %	Pb	≤ 200 ppm		
Water-insoluble matter	≤ 1 %	Mn	≤ 0.3 %	Zn	≤ 0.1 %		

Code	Size	Packaging	Notes
451695	250 g	Glass bottle	
451696	1 kg	Glass bottle	
451692	25 kg	Plastic bucket	

**Iron (III) chloride hexahydrate**

• Ferro cloruro ico esaidrato • Fer (III) chlorure hexahydraté • Hierro (III) cloruro hexahidratado • Eisen (III) chloridhexahydrat

Synonym:

*Ferric chloride hexahydrate*FeCl₃·6H₂O
Molecular Weight: 270,3
CAS: 10025-77-1
EEC-N: 231-729-4**Classification transport**ONU: 3260
Transport Hazard class: 8
Packing group III**Danger**H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Iron (III) chloride hexahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**

RPE

Description	Brown pieces	Ferrous salt	≤ 20 ppm	Cu	≤ 30 ppm	K	≤ 50 ppm
Identification	Positive	Total phosphorus	≤ 100 ppm	Zn	≤ 30 ppm	Na	≤ 0.05 %
Ca	≤ 100 ppm	Nitrate	≤ 100 ppm	Assay (oxidimetric)	97.0 ÷ 102.0 %		
Water-insoluble matter	≤ 100 ppm	Sulphate	≤ 100 ppm	Mg	≤ 50 ppm		

Code	Size	Packaging	Notes
451625	100 g	Plastic bottle	
451626	500 g	Plastic bottle	
451627	1 kg	Plastic bottle	

Iron (III) chloride hexahydrate > RE - Pure

RE

Description Grani o blocco giallo scuro Acidity (HCl) ≤ 1.2 % Heavy metals (Pb)..... ≤ 0.05 % Assay (FeCl₃·6H₂O) ≥ 99 %
 Identification Positive Fe (+2) ≤ 0.9 % Assay (oxidimetric) 59 ÷ 61 %

Code	Size	Packaging	Notes
344507	1 kg	Plastic bottle	
344508	2.5 kg	Plastic bottle	
344509	5 kg	Plastic tank	
344504	25 kg	Plastic bucket	



Iron (III) chloride solution 4.5%

• Ferro cloruro ico soluzione 4.5% • Fer (III) chlorure solution 4.5% • Hierro (III) cloruro solución 4.5% • Eisen (III) chlorid 4.5%

Classification transport

ONU: 3264
 Transport Hazard class: 8
 Packing group III



Danger

H290-H318
 P234-P280i-P305+P351+P338-P310a-P390-P406

Iron (III) chloride solution 4.5% > RPE - For analysis

RPE

Description Yellow clear liquid Identification Positive Density at 20° C 1.019 ÷ 1.025 Assay 4.3 ÷ 4.7 % p/p

Code	Size	Packaging	Notes
E451653	1 l	Bottle	



Iron chloride in solution

• Ferro cloruro in soluzione • Fer chlorure en solution • Hierro Cloruro en solución • Eisen chlorid in Lösung

FeCl₃
 Molecular Weight: 162,2
 CAS: 7705-08-0

Iron chloride in solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
616001048	100 ml	Plastic bottle	Ferric Chloride CS
616001047	500 ml	Plastic bottle	Ferric Chloride CS



Iron (III) citrate

• Ferro citrato ico • Fer (III) citrate • Hierro (III) citrato • Eisen (III) citrat

Synonym:
 • Iron(III) citrate tribasic
 • Ferric citrate

C₆H₅O₇·xFe
 Molecular Weight: 262,96
 CAS: 2338-05-8
 EEC-N: 219-045-4

Iron (III) citrate > RE - Pure

RE

Description Red-brown crystals Identification Positive Assay (iodometric) 18 ÷ 20 % Fe

Code	Size	Packaging	Notes
344201	1 kg	Plastic bottle	
344202	5 kg	Plastic tank	

**Iron (III) oxide**

• Ferro ossido ico • fer (III) oxyde • Hierro (III) óxido • Eisen (III) oxid

Synonym:
*Ferric oxide*Fe₂O₃
Molecular Weight: 159,7
CAS: 1309-37-1
EEC-N: 215-168-2**Warning**H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233**Iron (III) oxide > RPE - For analysis****RPE**

Description	Red brown powder	Chloride.....	≤100 ppm	Cr.....	≤10 ppm	Na.....	≤200 ppm
Identification	Positive	Sulphate.....	≤100 ppm	Cu.....	≤50 ppm	Ni.....	≤50 ppm
Loss on drying	≤0.2 %	Ca.....	≤100 ppm	K.....	≤50 ppm	Pb.....	≤50 ppm
Diluted HCl-ins. matter	≤100 ppm	Cd.....	≤10 ppm	Mg.....	≤50 ppm	Zn.....	≤50 ppm
Total nitrogen	≤50 ppm	Co.....	≤50 ppm	Mn.....	≤50 ppm	Assay (oxidimetric)	≥99 %

Code	Size	Packaging	Notes
451824	100 g	Plastic bottle	
451826	500 g	Plastic bottle	

**Iron (III) nitrate nonahydrate**• Ferro nitrato ico nonaidrato • Fer(III) nitrato nonahidraté • Hierro (III) nitrato nonahidratado
• Eisen (III) nitratonahydratSynonym:
*Ferric nitrate nonahydrate*Fe(NO₃)₃·9H₂O
Molecular Weight: 404,04
CAS: 7782-61-8
EEC-N: 233-899-5**Classification transport**ONU: 1466
Transport Hazard class: 5.1
Packing group III**Danger**H272-H315-H319-H335
P210-P261-P280-P304+P340-P305+P351+P338-
P403+P233**Iron (III) nitrate nonahydrate > RPE - For analysis - ACS****RPE**

Description ...	Purplish crystals deliquescent	Subst. not ppt NH4OH	≤0.1 %	Chloride.....	≤5 ppm	Assay (oxidimetric)	98.0 ÷ 101.0 %
Identification	Positive	Water-insoluble matter	≤50 ppm	Sulphate.....	≤100 ppm		

Code	Size	Packaging	Notes
451723	100 g	Plastic bottle	
451725	500 g	Plastic bottle	
451727	1 kg	Plastic bottle	
451722	25 kg	Plastic bucket	

**Iron (III) sulfate**

• Ferro solfato ico • Fer (III) sulfate • Hierro (III) sulfato • Eisen (III) sulfat

Synonym:
*Ferric sulfate hydrate*Fe₂(SO₄)₃·nH₂O
Molecular Weight: 399,88
CAS: 15244-10-7
EEC-N: 233-072-9**Danger**H302-H315-H318
P264-P305+P351+P338-P310a-P330-P362+P364-
P332+P313**Iron (III) sulfate > RPE - For analysis****RPE**

Description	Yellow-green powder	Chloride.....	≤ 0.1 %	Pb.....	≤20 ppm
Identification	Positive	As.....	≤3 ppm	Assay (oxidimetric)	20 ÷ 23 % Fe

Code	Size	Packaging	Notes
451925	100 g	Plastic bottle	
451926	500 g	Plastic bottle	
451927	1 kg	Plastic bottle	

	Isoamyl acetate	Synonym:
	• Isoamilo acetato • Isoamyle acétate • Isoamilo Acetato • Isoamylacetat	• Acetic acid 3-methylbutyl ester • Isopentyl acetate

C ₇ H ₁₄ O ₂ Molecular Weight: 130 CAS: 123-92-2 EEC-N: 204-662-3	Classification transport ONU: 1104 Transport Hazard class: 3 Packing group III	 Warning H226-HEU066 P210-P241-P280-P303+P361+P353-P403+P235-P501a
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Isoamyl acetate > RPE - For analysis

RPE

Description Clear colourless liquid	Alcohol miscibility..... Complete	Boiling point..... 140.5 ÷ 143.5 °C	Acidity (acetic acid)..... ≤50 ppm
Identification Positive	Density at 20° C 0.870 ÷ 0.874	Water (K.F.) ≤500 ppm	Assay (GLC) ≥99.0 %
Water miscibility..... Conform	Refractive index at 20°C. 1.3963 ÷ 1.4043	Residue on evaporation ≤20 ppm	

Code	Size	Packaging	Notes
417781	250 ml	Glass bottle	
417782	1 l	Glass bottle	

Isoamyl acetate > RE - Pure

RE

Description Clear colourless liquid	Refractive index at 20°C..... 1.3943 ÷ 1.4063	Residue on evaporation ≤100 ppm
Identification Positive	Boiling point..... 140.5 ÷ 143.5 °C	Acidity (acetic acid)..... ≤0.1 %
Density at 20° C 0.870 ÷ 0.874	Water (K.F.) ≤0.5 %	Assay (GLC) ≥ 98.0 %

Code	Size	Packaging	Notes
313251	1 l	Glass bottle	
313252	15 kg	Metal drum	

Isoamyl acetate > RE - Pure - For synthesis

RE

Appearance Clear liquid	Density d20/4 0.871 - 0.874	Free acid (as CH ₃ COOH)..... ≤ 0.02 %	Isoamyl alcohol ≤ 0.6 %
Refractive index at 20°C..... 1.399 - 1.403	Colour ≤ 15 Hazen	Assay (GC) ≥ 99.0 %	

Code	Size	Packaging	Notes
P6120028	5 l	Plastic tank	

	Isoamyl alcohol	Synonym:
	• Alcole isoamilico • Alcool isoamylique • Alcohol isoamilico • Isoamylalkohol	3-Methyl-1-butanol

(CH ₃) ₂ CHCH ₂ CH ₂ OH Molecular Weight: 88,15 CAS: 123-51-3 EEC-N: 204-633-5	Classification transport ONU: 1105 Transport Hazard class: 3 Packing group III	   Danger H226-H332-H315-H318-H335 P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P362+P364-P403+P233
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Isoamyl alcohol > RS - For analysis according to Gerber

RS

Description Clear colourless liquid	Identification Positive	Density at 20° C 0.810 ÷ 0.814
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Code	Size	Packaging	Notes
E413903	500 ml	Glass bottle	With indicator
413892	1 l	Glass bottle	Without indicator

Isoamyl alcohol > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear colourless liquid	Refractive index at 20°C. 1.4023 ÷ 1.4083	Acidity ≤0.002 meq/g	Carbonyl (HCOH) ≤0.1 %
Identification Positive	Boiling point..... 130.5 ÷ 132.5 °C	Acids and esters..... ≤0.2 %	Assay (GLC) ≥98.5 %
Density at 20° C 0.805 ÷ 0.813	Water (K.F.) ≤0.5 %	Residue on evaporation ≤30 ppm	

Code	Size	Packaging	Notes
413801	500 ml	Glass bottle	

Isoamyl alcohol > RPE - For analysis**RPE**

Description	Clear colourless liquid	Refractive index at 20°C. 1.4023 ÷ 1.4083	Acidity	≤0.002 meq/g	Carbonyl (HCOH)	≤0.1 %
Identification	Positive	Boiling point..... 130.5 ÷ 132.5 °C	Acids and esthers.....	≤0.2 %	Assay (GLC)	≥97 %
Density at 20° C	0.805 ÷ 0.813	Water (K.F)	Residue on evaporation	≤30 ppm		

Code	Size	Packaging	Notes
413832	1 l	Glass bottle	
413836	2.5 l	Glass bottle	
413833	22 kg	Metal drum	

Isoamyl alcohol > RE - Pure**RE**

Description	Clear colourless liquid	Density at 20° C	0.807 ÷ 0.817	Boiling point.....	132 ± 1.5 °C	Residue on evaporation	≤0.1 %	
Identification	Positive	Refractive index at 20°C. 1.4038 ÷ 1.4098	Water (K.F)	≤0.2 %	Acids and esthers.....	≤0.5 %		

Code	Size	Packaging	Notes
308001	1 l	Glass bottle	
308003	22 kg	Metal drum	

**Isobutanol**

• Isobutanolo • Isobutanol • Isobutanol • Isobutanol

Synonym:

Isobutyl alcohol

(CH₃)₂CHCH₂OH
 Molecular Weight: 74,12
 CAS: 78-83-1
 EEC-N: 201-148-0

Classification transport

ONU: 1212
 Transport Hazard class: 3
 Packing group III

**Danger**

H226-H315-H318-H335-H336
 P210-P280-P303+P361+P353-P304+P340-P310a-
 P305+P351+P338-P362+P364-P403+P233

Isobutanol > RS - Anhydrous - For analysis**RS**

Refractive index at 20°C.....	1.394 - 1.398	Water content (K.F)	≤ 200 mg/Kg	Assay (GC)	≥ 99.5 %	Free acid (as CH ₃ COOH).....	≤ 40 mg/Kg
Colour	≤ 10 Hazen	Non volatile residue	≤ 10 mg/Kg	1-butanol.....	≤ 0.4 %		

Code	Size	Packaging	Notes
P0531016	1 l	Glass bottle	

Isobutanol > RPE - For analysis - ACS**RPE**

Description	Clear liquid	Density at 20° C	0.801 ÷ 0.803	Residue on evaporation	≤10 ppm	Indole base	≤0.1 ppm	
Colour (APHA)	≤10	Refractive index at 20°C. 1.3945 ÷ 1.3975	Boiling point.....	105 ÷ 109 °C	Carbonyl Compounds (CO).....	≤100 ppm	Assay (GLC)	≥99 %
Identification (I.R.).....	Positive	Water (K.F)	≤0.1 %	Acidity (acetic acid).....	≤100 ppm	Alcalinity (NH ₃).....	≤10 ppm	
Water solubility.....	Conform							

Code	Size	Packaging	Notes
414211	1 l	Glass bottle	
414213	22 kg	Metal drum	
414214	200 l	Metal drum	

Isobutanol > RE - Pure**RE**

Description	Clear colourless liquid	Refractive index at 20°C. 1.3930 ÷ 1.3990	Residue on evaporation	≤50 ppm	1-Butanol	≤ 0.4 %
Identification	Positive	Boiling point..... 105.0 ÷ 109.0 °C	Acidity (acetic acid).....	≤ 40 ppm	Assay (GLC)	≥99 %
Density at 20° C	0.800 ÷ 0.804	Water (K.F)	≤0.1 %			

Code	Size	Packaging	Notes
308301	1 l	Glass bottle	
308303	22 kg	Metal drum	

Isobutyl acetate
 • Isobutile acetato • Isobutyle acétate • Isobutilo acetato • Isobutylacetat
 Synonym: *Acetic acid isobutyl ester*

(CH3)2CHCH2OCOCH3
 Molecular Weight: 116,16
 CAS: 110-19-0
 EEC-N: 203-745-1

Classification transport
 ONU: 1213
 Transport Hazard class: 3
 Packing group II



Danger
 H225-HEU066
 P210-P241-P280-P303+P361+P353-P403+P235-P501a

Isobutyl acetate > RPE - For analysis

RPE

Description Clear colourless liquid Refractive index at 20°C..... 1.3851 ÷ 1.3951 Residue on evaporation ≤100 ppm
 Identification Positive Boiling point..... 114 ÷ 118.5 ° C Acidity (acetic acid)..... ≤500 ppm
 Density at 20° C 0.867 ÷ 0.877 Water (K.F.) ≤0.1 % Assay (GLC) ≥98.0 %

Code	Size	Packaging	Notes
431721	500 ml	Glass bottle	

Isobutyl acetate > RE - Pure

RE

Description Clear colourless liquid Refractive index at 20°C..... 1.3851 ÷ 1.3951 Residue on evaporation ≤100 ppm
 Identification Positive Boiling point..... 114 ÷ 118.5 ° C Acidity (acetic acid)..... ≤500 ppm
 Density at 20° C 0.867 ÷ 0.877 Water (K.F.) ≤0.2 % Assay (GLC) ≥97 %

Code	Size	Packaging	Notes
325631	1 l	Glass bottle	
325633	24 kg	Metal drum	

Isobutylacetone ► Methylisoamyl ketone

Isobutyl alcohol ► Isobutanol

Isohexane
 • iso-Esano • Isohexane • Isohexano • Isohexan
 Synonym: *2-Methylpentane*

C6H14
 Molecular Weight: 86,18
 CAS: 107-83-5
 EEC-N: 203-523-4

Classification transport
 ONU: 1208
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H315-H336-H304-H411
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Isohexane > RS - For HPLC - Isocratic Grade

RS

Clear, colourless liq. appearance Conform Water content (K.F.) ≤ 150 mg/Kg Total C6H14 isomers (GC) ≥ 80 % UV transmittance at 220 nm ≥ 80 %
 Colour ≤ 10 Apha Non volatile residue ≤ 5 mg/Kg UV transmittance at 200 nm ≥ 25 % UV transmittance at 230 nm ≥ 90 %
 Identification (IR) Conform n-hexane ≤ 6 % UV transmittance at 210 nm ≥ 55 % UV transmittance at 250 nm ≥ 98 %

Code	Size	Packaging	Notes
445152	1 l	Glass bottle	
445151	2.5 l	Glass bottle	

Isohexane > RS - ATRASOL - For trace analysis, Suitable for Hydrocarbon index determination

RS

Appearance Clear colourless liquid n-hexane ≤ 3 % Ret.range 1,2,4-trichlorobenzene to decachlorobiphenyle GC-FID.Individual peak (C10-C40)..... ≤ 5 µg/l
 Identification (IR) Conform Total C6H14 isomers (GC) ≥ 95 % GC-FID.Hydrocarbon oil index... ≤ 0.05 mg/l Total sulphur (S) ≤ 1 ppm
 Water content (K.F.) ≤ 50 mg/Kg Non volatile residue ≤ 2 mg/Kg Retention time n-decane - n-tetracontane
 Colour ≤ 5 Hazen GC-ECD.Individual peak (Lindane) . ≤ 3 ng/L

Code	Size	Packaging	Notes
P6263216	1 l	Glass bottle	
P6263221	2.5 l	Glass bottle	

According to NF-EN-ISO9377-2 for hydrocarbon index determination

Isohexane > RS - PESTIPUR - For pesticide analysis

RS

Appearance	Clear colourless liquid	Identification (I.R.).....	Conform	Non volatile residue	≤ 5 mg/Kg	Ret.range 1,2,4-trichlorobenzene
Water content (K.F.)	≤ 100 mg/Kg	n-hexane	≤ 5 %	GC-ECD.Individual peak (Lindane) ..	≤ 3 ng/l	to decachlorobiphenyle
Colour	≤ 10 Hazen	Total C6H14 isomers (GC).....	≥ 80 %	Retention time trichlorobenzene to mirex		

Code	Size	Packaging	Notes
447131	1 l	Glass bottle	
447132	2.5 l	Glass bottle	

For chlorinated compounds analysis**Isohexane > RPE - For analysis**

RPE

Description	Clear colourless liquid	Water (K.F.)	≤ 150 ppm	Total C6H14 isomers (GC).....	≥ 80 %	Total sulphur (S)	≤ 1 ppm
Colour	≤ 10 APHA	Residue on evaporation	≤ 10 ppm	n-Hexane.....	≤ 5 %		
Identification (I.R.).....	Conform	Aromatic compounds.....	≤ 50 ppm	Methylcyclopentane.....	≤ 16 %		

Code	Size	Packaging	Notes
447311	1 l	Glass bottle	
447312	2.5 l	Glass bottle	

**Isooctane**

• Isoottano • Isooctane • Isooctano • Isooctan

Synonym:

2,2,4-Trimethylpentane

$(\text{CH}_3)_3\text{CCH}_2\text{CH}(\text{CH}_3)_2$
 Molecular Weight: 114,23
 CAS: 540-84-1
 EEC-N: 208-759-1

Classification transport
 ONU: 1262
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H315-H336-H304-H410
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Isooctane > RS - For HPLC - Isocratic Grade

RS

Description	Clear liquid	Boiling point.....	98.2 ÷ 100.2 ° C	Acidity or alkalinity.....	≤ 0.0002 meq/g	at 260 nm	≥ 95 %
Colour	≤ 10 hazen	Not volatile residue.....	≤ 5 ppm	Assay (GLC)	≥ 99.5 %	at 215 nm	≥ 60 %
Density at 20° C	0.687 ÷ 0.697	Water (K.F.).....	≤ 50 ppm	U.V. Transmittance		at 270 nm	≥ 97 %
Identification	Positive	Free acids (CH3COOH).....	≤ 20 ppm	at 220 nm	≥ 70 %	at 240 nm	≥ 95 %
Refractive index at 20°C. 1.3885 ÷ 1.3945		Residue on evaporation	≤ 2 ppm	at 230 nm	≥ 85 %	Filtered at 0.2 µm	
Water	≤ 50 ppm	Aromatic compounds.....	≤ 5 ppm	at 205 nm	≥ 10 %		

Code	Size	Packaging	Notes
412441000	1 l	Glass bottle	
412442000	2.5 l	Glass bottle	

Isooctane > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear colourless liquid	Water	≤ 50 ppm	GC-ECD (Lindano)	≤ 3 ng/l
Identification	Positive	Free acids (CH3COOH).....	≤ 20 ppm	GC-NPD (Ethylparation).....	≤ 3 ng/l
Colour	≤ 10 hazen	Not volatile residue.....	≤ 2 ppm	Assay (GLC)	≥ 99.5 %

Code	Size	Packaging	Notes
456791	1 l	Glass bottle	
456792	2.5 l	Glass bottle	

Isooctane > RS - SPECTROSOL - For optical spectroscopy - Reag.Ph.Eur.

RS

Description	Clear liquid	Boiling point.....	98 ÷ 100 ° C	Aromatic compounds.....	≤ 5 ppm	at 230 nm	≥ 85 %
Colour (APHA)	≤ 10	Acidity or alkalinity.....	≤ 0.0002 meq/g	U.V. Transmittance		UV Absorbance from 250 nm to 420 nm..	≤ 0.01 AU
Identification	Positive	Water (K.F.).....	≤ 50 ppm	at 255 nm	≥ 98 %		
Density at 20° C	0.691 ÷ 0.696	Residue on evaporation	≤ 5 ppm	at 210 nm	≥ 35 %		
Refractive index at 20°C. 1.3910 ÷ 1.3930		Assay (GLC)	≥ 99.5 %	at 220 nm	≥ 72 %		

Code	Size	Packaging	Notes
456754	1 l	Glass bottle	
456753	2.5 l	Glass bottle	

Isooctane > RS - Standard for refractometry

RS

Description Clear colourless liquid Identification Positive Density at 20° C 0.687 ÷ 0.697 Refractive index at 20°C. 1.3905 ÷ 1.3925

Code	Size	Packaging	Notes
456641	100 ml	Glass bottle	

Isooctane > RPE - For analysis - ACS

RPE

Description Clear colourless liquid Density at 20°C 0.691 - 0.696 Residue on evaporation ≤ 0.001 % Distillation range 95% distils between 98 - 100 °C
 Identification (I.R.) Positive Refractive index at 20°C 1.391 - 1.393 Sulfur compounds (S) ≤ 0.0005 % Water (K.F.) ≤ 100 ppm
 Colour ≤ 10 APHA Water-soluble titrable acid ≤ 0.0003 meq/g Assay (CPG) ≥ 99.5 % Aromatics ≤ 10 ppm

Code	Size	Packaging	Notes
456734	1 l	Glass bottle	
456732	2.5 l	Glass bottle	

Isooctane > RE - Pure - For synthesis

RE

Refractive index at 20°C 1.389 - 1.393 Non volatile residue ≤ 20 mg/Kg Assay (GC) ≥ 99 % Identification (IR) Conform
 Water content (K.F.) ≤ 150 mg/Kg Colour ≤ 10 Hazen Aromatic compounds ≤ 50 mg/Kg Total sulphur (S) ≤ 10 ppm

Code	Size	Packaging	Notes
P0630240	10 l	Metal drum	
P0630268	200 l	Metal drum	

Isooctane > RE - ASTM

RE

Description Clear liquid Boiling point 98.2 ÷ 100.2 °C Total sulphur ≤ 10 ppm Assay (GLC) ≥ 99.5 %
 Identification Positive Residue on evaporation ≤ 20 ppm Lead ≤ 0.5 mg/l
 Density at 20°C 0.687 ÷ 0.697 Water (K.F.) ≤ 150 ppm n-heptane (ASTM) ≤ 0.10 % v/v
 Refractive index at 20°C. 1.3885 ÷ 1.3945 Aromatics ≤ 50 ppm Isooctane (ASTM) ≥ 99.75 % v/v

Code	Size	Packaging	Notes
528963	2.5 l	Glass bottle	
528960	5 l	Plastic tank	
528961	25 l	Metal drum	
528962	200 l	Metal drum	

Suitable for ASTM methods D2700 and D2699



Isopar G

• Isopar G • Isopar G • Isopar G • Isopar G

CAS: 90622-57-4
 EEC-N: 292-459-0

Classification transport
 ONU: 3295
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H304-H413
 P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235

Isopar G > RS - RSE - For electronic use

RS

Appearance Clear colourless liquid Density at 15°C 0.745 ÷ 0.756 Distillation range 159 ÷ 176 °C Aromatics ≤ 0.01 %
 Colour ≤ 10 APHA Refractive index at 20°C 1.416 ÷ 1.418 Residue on evaporation ≤ 10 ppm

Code	Size	Packaging	Notes
526151	2.5 l	Glass bottle	

**Isopentane**

• Isopentano • Isopentane • Isopentano • Isopentan

Synonym:
2-Methylbutane

$(\text{CH}_3)_2\text{CHCH}_2\text{CH}_3$
Molecular Weight: 72,15
CAS: 78-78-4
EEC-N: 201-142-8

Classification transport

ONU: 1265
Transport Hazard class: 3
Packing group I

**Danger**

H224-H336-H304-H411-HEU066
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Isopentane > RS - Anhydrous - For analysis**RS**

Refractive index at 20°C 1.352 - 1.356 Non volatile residue ≤ 10 mg/Kg Colour ≤ 10 Hazen Identification (IR) Conform
Water content (K.F.) ≤ 50 mg/Kg Aromatic compounds ≤ 20 mg/Kg Assay (GC) ≥ 95 % Total sulphur (S) ≤ 2 ppm

Code	Size	Packaging	Notes
P0651016	1 l	Glass bottle	

Isopentane > RPE - For analysis**RPE**

Description Clear colourless liquid Refractive index at 20°C 1.352 ÷ 1.356 Aromatic compounds ≤ 20 ppm
Colour ≤ 10 APHA Water (K.F.) ≤ 150 ppm Assay (CPG) ≥ 95 %
Identification (I.R.) Conform Residue on evaporation ≤ 10 ppm Total sulphur (S) ≤ 2 ppm

Code	Size	Packaging	Notes
524391	1 l	Glass bottle	

Isopentane > RE - Pure**RE**

Description Clear colourless liquid Density at 20°C 0.610 ÷ 0.630 Water (K.F.) ≤ 200 ppm Total sulphur (S) ≤ 2 ppm
Identification Positive Refractive index at 20°C 1.3507 ÷ 1.3607 Residue on evaporation ≤ 20 ppm Assay ≥ 95.0 %
Colour ≤ 10 APHA Boiling point 27 ÷ 28.5 °C Aromatics ≤ 50 ppm

Code	Size	Packaging	Notes
528492	1 l	Glass bottle	
528491	5 l	Metal tank	

Isopentyl acetate ▶ Isoamyl acetate**Isopropanol ▶ Propan-2-ol****Isopropyl acetate**

• Isopropile acetato • Isopropyle acétate • Isopropilo acetato • Isopropylacetat

Synonym:
Acetic acid isopropyl ester

$\text{CH}_3\text{COOCH}(\text{CH}_3)_2$
Molecular Weight: 102,13
CAS: 108-21-4
EEC-N: 203-561-1

Classification transport

ONU: 1220
Transport Hazard class: 3
Packing group II

**Danger**

H225-H319-H336-HEU066
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Isopropyl acetate > RPE - For analysis**RPE**

Description Clear liquid Colour ≤ 10 APHA Free acid (as CH_3COOH) ≤ 50 mg/Kg Residue on evaporation ≤ 10 ppm
Water content (K.F.) ≤ 100 mg/Kg Density at 20 °C 0.869 ÷ 0.875 Boiling point 88 ÷ 89 ° C Acidity (acetic acid) ≤ 50 ppm
Identification Positive Assay (GC) ≥ 99 % 2-Propanol ≤ 1000 mg/Kg Assay (GLC) ≥ 99.8 %
Non volatile residue ≤ 10 mg/Kg Refractive index at 20°C 1.3760 ÷ 1.3780 Water (K.F.) ≤ 0.05 %

Code	Size	Packaging	Notes
474821	250 ml	Glass bottle	

Isopropyl acetate > RE - Pure

RE

Refractive index at 20°C 1.375 - 1.379 Water content (K.F.) ≤ 800 mg/Kg Colour ≤ 10 Hazen Free acid (as CH₃COOH) ≤ 50 mg/Kg
 Appearance Clear liquid Non volatile residue ≤ 20 mg/Kg Assay (GC) ≥ 99 % 2-Propanol ≤ 1000 mg/Kg

Code	Size	Packaging	Notes
P0890228	5 l	Plastic tank	
P0890240	10 l	Metal tank	
P0890268	200 l	Metal drum	



Isopropylamine

• Isopropilamina • Isopropylamine • Isopropilamina • Isopropylamin

Synonym:

2-Aminopropane

(CH₃)₂CHNH₂
 Molecular Weight: 59,11
 CAS: 75-31-0
 EEC-N: 200-860-9

Classification transport

ONU: 1221
 Transport Hazard class: 3
 Packing group I



Danger

H224-H301-H311-H331-H314-H335
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P311a-P305+P351+P338-P361+P364-
 P403+P233

Isopropylamine > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 0.687 ÷ 0.693 Water (K.F.) ≤ 0.1 %
 Identification Positive Residue on evaporation ≤ 50 ppm Assay (GLC) ≥ 99.5 %

Code	Size	Packaging	Notes
474756	1 l	Glass bottle	

Isopropyl ether ► Diisopropylether



Isopropyl myristate

• Miristato di isopropile • Myristate d'isopropyle • Isopropilo Miristato • Isopropylmyristat

Synonym:

• Isopropyl tetradecanoate
 • Myristic acid isopropyl ester

C₁₇H₃₄O₂
 Molecular Weight: 2.704.507
 CAS: 110-27-0
 EEC-N: 203-751-4

Isopropyl myristate > RS - For synthesis

RS

Clear, colourless liq. appearance Conform Dichloromethane miscibility Miscible Viscosity at 20°C 5 - 6 mPa.s Water content (K.F.) ≤ 0.1 % m/m
 Clear, colourless solution appearance Conform Identification B Conform Acid number ≤ 1 mg KOH /g Sulfuric ashes ≤ 0.1 %
 Conform Refractive index at 20°C 1.434 - 1.437 Iodine number ≤ 1 g I₂/100g
 Alcohol miscibility Miscible Assay (GC) (C17H34O₂) ≥ 90 % Saponification number 202 - 212 mg KOH/g

Code	Size	Packaging	Notes
P6070268	205 l	Metal drum	



Kaolin washed

• Caolino lavato • Kaolin lavé • Caolín lavado • Gewaschenes Kaolin

Synonym:

- Halloysite nanoclay
- Kaolin clay

CAS: 1332-58-7
EEC-N: 310-194-1

Kaolin washed > RE - Pure

RE

Description White hazel powder Identification Positive Loss on drying ≤ 1 % Loss on ignition 11 - 13 %

Code	Size	Packaging	Notes
332573	5 kg	Plastic tank	
332574	25 kg	Plastic bucket	



Karl Fischer reagent 1 component 2 mg H₂O/ml

• Karl Fischer reattivo 2 mg H₂O/ml monocomponente • Réactif de Karl Fischer 1 composant 2 mgH₂O/ml • Karl Fischer reactivo 1 compuesto 2 mgH₂O/ml
• Karl Fischer Reagenz 1 Komponente 2 mg H₂O / ml



Danger

H315-H319-H360D-H373-HA26
P280-P305+P351+P338-P308+P313-P362+P364-P332+P313-P337+P313

Karl Fischer reagent 1 component 2 mg H₂O/ml > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570021	1 l	Glass bottle	
570251	1 l	Glass bottle	New formulation. Not regulated for transport.

Pyridine free. Suitable for general purpose or aldehydes and ketones - To be used with anhydrous solvents (methanol, chloroform)



Karl Fischer reagent 1 component 5 mg H₂O/ml

• Karl Fischer reattivo 5 mg H₂O/ml monocomponente • Réactif de Karl Fischer 1 composant 5 mg H₂O/ml • Karl Fischer reactivo 1 compuesto 5 mgH₂O/ml
• Karl-Fischer-Reagenz 1 Komponente 5 mg H₂O / ml



Danger

H315-H319-H360D-H373-HA26
P280-P305+P351+P338-P308+P313-P362+P364-P332+P313-P337+P313

Karl Fischer reagent 1 component 5 mg H₂O/ml > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570011	1 l	Glass bottle	
570241	1 l	Glass bottle	New formulation. Not regulated for transport.

Pyridine free. Suitable for general purpose or aldehydes and ketones - To be used with anhydrous solvents (methanol, chloroform)



Karl Fischer titrant 1 component 5 mg H₂O/ml for aldehydes and ketones

• Karl Fischer reattivo 5 mg H₂O/ml monocomponente per aldeidi e chetoni • Karl Fischer titrant 1 composant 5 mg H₂O/ml pour aldehydes et cétones
• Karl Fischer reactivo de valoración 1 compuesto 5 mg H₂O/ml para aldehídos y cet
• Karl Fischer titriert 1 Komponente 5 mg H₂O / ml für Aldehyde und Ketone

Classification transport

ONU: 1188
Transport Hazard class: 3
Packing group III



Danger

H226-H312-H315-H319-H360FD-H373-HA26
P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer titrant 1 component 5 mg H₂O/ml for aldehydes and ketones > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570081	1 l	Glass bottle	

To be used with one component Karl Fischer solvent for aldehydes and ketones



Karl Fischer solvent for aldehydes and ketones one component

- Karl Fischer solvente monocomponente per aldeidi e chetoni • Karl Fischer solvant 1 composant pour aldéhydes et cétones
- Karl Fischer solvente 1 compuesto para aldehídos y cetonas • Karl Fischer Lösungsmittel 1 Komponente für Aldehyde und Ketone

Classification transport
 ONU: 1993
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H302-H315-H319-H351-H360FD-H372-
 HEU301-HA26
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P308+P313

Karl Fischer solvent for aldehydes and ketones one component > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570041	1 l	Glass bottle	

To be used with one component Karl Fischer reagents. For determination of water in aldehydes and ketones. Especially suitable for higher molecular weight products and mixtures containing non - polar constituents.



Karl Fischer solvent for oils one component

- Karl Fischer solvente monocomponente per olii • Karl Fischer solvant pour huiles 1 composant • Karl Fischer solvente para los aceites 1 compuesto
- Karl Fischer Lösungsmittel für 1 Komponenteöl

Classification transport
 ONU: 1993
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H302-H315-H318-H351-H360D-H370-H372-
 HEU301-HA26
 P210-P280-P303+P361+P353-P305+P351+P338-
 P310a-P330-P362+P364

Karl Fischer solvent for oils one component > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570031	1 l	Glass bottle	

To be used with Karl Fischer reagents. For determination of water in oils or other non polar compounds.



Karl Fischer titrant 2 component 2 mg H₂O/ml

- Karl Fischer titolante bicomponente 2 mg H₂O/ml • Karl Fischer titrant 2 composants 2 mg H₂O/ml
- Karl Fischer reactivo de valoración 2 compuestos 2 mg H₂O/ml • Karl Fischer titriert 2 Komponenten 2 mg H₂O / ml - nicht hygroskopisch

Classification transport
 ONU: 1307
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H315-H319-H335-H373-H304
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Karl Fischer titrant 2 component 2 mg H₂O/ml > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570061	1 l	Glass bottle	

To be used with two component Karl Fischer solvent



Karl Fischer titrant 2 component 5 mg H₂O/ml

- Karl Fischer titolante bicomponente 5 mg H₂O/ml • Karl Fischer titrant 2 composants 5 mg H₂O/ml
- Karl Fischer reactivo de valoración 2 compuestos 5 mg H₂O/ml • Karl Fischer Titriermittel 2 Komponenten 5 mg H₂O / ml - nicht hygroskopisch

Classification transport
 ONU: 1307
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H315-H319-H335-H373-H304
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Karl Fischer titrant 2 component 5 mg H₂O/ml > RS - ERBAqua - Volumetric titration

RS

DescriptionBrown red liquid Identification Positive Water equivalent ≥ 5.0 mg/ml

Code	Size	Packaging	Notes
570051	1 l	Glass bottle	

To be used with two component Karl Fischer solvent



Karl Fischer solvent 2 component

• Karl Fischer solvante bicomponente • Karl Fischer solvent 2 component • Karl Fischer solvante 2 componentes • Karl Fischer Lösungsmittel 2 Komponente

Classification transport

ONU: 1230
Transport Hazard class: 3
Packing group II



Danger

H225-H301-H331-H315-H319-H370-H373
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Karl Fischer solvent 2 component > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570071	1 l	Glass bottle	

To be used with a two component Karl Fischer titrant 570051 or 570061



Karl Fischer solvent 2 component for aldehydes and ketones - Methanol free

• Karl Fischer solvante bicomponente per aldeidi e chetoni - senza metanolo • Karl Fischer solvant 2 composants pour aldéhydes et cétones - Sans méthanol
• Karl Fischer solvante 2 compuestos para aldehídos y cetonas - sin metanol • Karl Fischer Solvent 2 Komponenten für Aldehyde und Ketone - Methanolfrei

Classification transport

ONU: 1188
Transport Hazard class: 3
Packing group III



Danger

H226-H312-H315-H319-H360FD-HA26
P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer solvent 2 component for aldehydes and ketones - Methanol free > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570091	1 l	Glass bottle	

To be used with a two component Karl Fischer titrant 570051 or 570061. For samples containing aldehydes and ketones



Karl Fischer solvent for oils 2 component

• Karl Fischer solvante bicomponente per olii • Karl Fischer solvant pour huiles 2 composant • Karl Fischer solvante para los aceites 2 compuestos
• Karl Fischer Lösungsmittel für 2 Komponentöle

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H302-H315-H318-H351-H361d-H370-H372-H373-HEU301
P210-P280-P303+P361+P353-P305+P351+P338-P310a-P330-P362+P364

Karl Fischer solvent for oils 2 component > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570101	1 l	Glass bottle	

To be used with a two component Karl Fischer titrant 570051 or 570061. For determination of water in oils or other non-polar compounds



Karl Fischer 2 component buffered solvent

• Karl Fischer solvante bicomponente tamponato • Karl Fischer solvant 2 composant avec tampon • Karl Fischer solvante 2 compuestos con tampón
• Karl Fischer Pufferlösung

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H315-H319-H360D-H370-H373-HA26
P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer 2 component buffered solvent > RS - ERBAqua - Volumetric titration

RS

Code	Size	Packaging	Notes
570111	500 ml	Glass bottle	



Karl Fischer anolyte solution

• Karl Fischer soluzione anolita • Karl Fischer anolyte solution • Karl Fischer catolito solución • Karl-Fischer-Anolytlösung - ohne Pyridin

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H302-H315-H319-H351-H360D-H370-H372-HA26-HEU301
P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer anolyte solution > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570121	500 ml	Glass bottle	



Karl Fischer anolyte solution for ketones and aldehydes - Methanol free

• Karl Fischer soluzione anolita per aldeidi e chetoni • Karl Fischer anolyte solution pour cétones et aldéhydes - Sans méthanol
• Karl Fischer anolito solución para aldehídos y cetonas - libre de metanol • Karl-Fischer-Anolytlösung für Ketone und Aldehyde - ohne Methanol

Classification transport

ONU: 1992
Transport Hazard class: 3
Packing group III



Danger

H226-H302-H331-H315-H319-H351-H360FD-H372-HEU301-HA26
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P308+P313-P330-P362+P364-P403+P233

Karl Fischer anolyte solution for ketones and aldehydes - Methanol free > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570161	500 ml	Glass bottle	

For cells with diagrams



Karl Fischer anolyte solution - CFC free

• Karl Fischer soluzione anolita • Karl Fischer anolyte solution - sans CFC • Karl Fischer anolito solución - sin CFC • Karl Fischer Anolyt-Lösung - ohne FCKW

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group III



Danger

H226-H315-H319-H360D-H370-H335-H373-HA26
P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer anolyte solution - CFC free > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570141	500 ml	Glass bottle	

Pyridin and chlorocarbon free vessel solution. Suitable for nonpolar samples. For cells with diagrams



Karl Fischer anolyte solution, oven

• Karl Fischer soluzione anolita, con fornello • Karl Fischer anolyte solution, pour four • Karl Fischer anolito solución para horno
• Karl-Fischer-Anolytlösung für den Ofen

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H302-H315-H319-H360D-H370-H373-HA26
P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer anolyte solution, oven > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570151	500 ml	Glass bottle	

Fritless reagent for use in conjunction with Karl Fischer oven-Pyridin and chlorocarbon free - For cells with & without diagrams



Karl Fischer anolyte solution for oils

- Karl Fischer soluzione anolitica per olii • Karl Fischer anolyte solution pour les huiles • Karl Fischer anolito solución para los aceites
- Karl-Fischer-Anolytlösung für Öle

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H319-H370-H304
 P210-P241-P280-P301+P310a-P303+P361+P353-P305+P351+P338

Karl Fischer anolyte solution for oils > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570171	500 ml	Glass bottle	

Suitable for oils and petroleum products. For cells with diaphragms



Karl Fischer catholyte solution

- Karl Fischer soluzione catolitica • Karl Fischer catholyte solution • Karl Fischer catolito solución • Karl-Fischer-Katholyt-Lösung - Pyridinfrei

Classification transport

ONU: 1188
 Transport Hazard class: 3
 Packing group III



Danger

H226-H312-H315-H319-H360FD-H373-HA26
 P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer catholyte solution > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570181	125 ml	Glass bottle	



Karl Fischer catholyte solution for aldehydes and ketones

- Karl Fischer soluzione catolitica per aldeidi e chetoni • Karl Fischer catholyte solution pour aldehydes et cétones
- Karl Fischer catolito solución para aldehídos y cetonas • Karl-Fischer-Katholytlösung

Classification transport

ONU: 1188
 Transport Hazard class: 3
 Packing group III



Danger

H226-H312-H315-H318-H360FD-H373-HA26
 P210-P280-P303+P361+P353-P305+P351+P338-P310a-P362+P364

Karl Fischer catholyte solution for aldehydes and ketones > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570191	125 ml	Glass bottle	

For cells with diaphragms



Karl Fischer anolyte solution for cells with and without diaphragms

- Karl Fischer reagente per celle con e senza diaframma • Karl Fischer réactif pour la cellule avec et sans diaphragme
- Karl Fischer reactivo para la celda con y sin diafragma • Karl-Fischer-Reagenz für Zellen ohne Diaphragma

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H319-H360FD-H370-H373-HA26
 P210-P241-P280-P303+P361+P353-P305+P351+P338-P308+P313

Karl Fischer anolyte solution for cells with and without diaphragms > RS - ERBAqua - Coulometric titration

RS

Code	Size	Packaging	Notes
570131	500 ml	Glass bottle	

Can also be used with titrators that contain diaphragms or ceramic frits



Karl Fischer water standard 10.0 mg/g

- Karl Fischer standard 10.0 mg/g acqua • Karl Fischer standard eau 10.0 mg/g • Karl Fischer agua estándar 10.0 mg/g
- Karl Fischer Standardwasser 10.0 mg / g

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group III



Danger

H226-H315-H318-H351-H360D-H335-H336-H304-HA26
 P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Karl Fischer water standard 10.0 mg/g > RS - ERBAqua - For checking calibration of coulometric Karl Fischer equipment

RS

Code	Size	Packaging	Notes
570221	10 x 5 ml	Glass ampoule	

Gravimetric standard



Karl Fischer water standard 5.0 mg/ml

- Karl Fischer standard 5.0 mg/ml acqua • Karl Fischer standard eau 5.0 mg/ml • Karl Fischer agua estándar 5.0 mg/ml
- Karl Fischer Standardwasser 5.0 mg / ml

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group III



Danger

H226-H315-H318-H351-H360D-H335-H336-H304-HA26
 P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Karl Fischer water standard 5.0 mg/ml > RS - ERBAqua - For checking calibration of coulometric Karl Fischer equipment

RS

Code	Size	Packaging	Notes
570231	10 x 5 ml	Glass ampoule	

Volumetric standard



Karl Fischer water standard 1.0 mg/g

- Karl Fischer standard 1.0 mg/g acqua • Karl Fischer standard eau 1.0 mg/g • Karl Fischer agua estándar 1.0 mg/g
- Karl Fischer Standardwasser 1.0 mg / g

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group III



Danger

H226-H302-H315-H318-H335-H336-H373-H304
 P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Karl Fischer water standard 1.0 mg/g > RS - ERBAqua - For checking calibration of coulometric Karl Fischer equipment

RS

Code	Size	Packaging	Notes
570211	10 x 5 ml	Glass ampoule	

Gravimetric standard



Karl Fischer water standard 0.10 mg/g

- Karl Fischer standard 0.10 mg/g acqua • Karl Fischer standard eau 0.10 mg/g • Karl Fischer agua estándar 0.10 mg/g
- Karl Fischer Standardwasser 0.10 mg / g

Classification transport

ONU: 1307
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H319-H335-H373-H304
 P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Karl Fischer water standard 0.10 mg/g > RS - ERBAqua - For checking calibration of coulometric Karl Fischer equipment

RS

Code	Size	Packaging	Notes
570201	10 x 5 ml	Glass ampoule	

Gravimetric standard



Kerosene

- Cherosene • Kérosène • Queroseno • Kerosin

CAS: 64742-47-8

Classification transport

ONU: 1223
 Transport Hazard class: 3
 Packing group III



Danger

H304
 P301+P310a-P331-P405-P501a

Kerosene > RE - Pure

RE

Description Clear colourless liquid Identification Positive Boiling point min. ≥ 175 °C Boiling point max..... ≤ 245 °C
 Water (K.F.) ≤ 0.01 % Refractive index at 20°C..... 1.441 ÷ 1.451 Residue on ignition ≤ 0.001 %

Code	Size	Packaging	Notes
302575	5 l	Plastic tank	



Kieselguhr composed

- Farina fossile composta • Terre de silice composée • Harina fósil compuesta • Kieselgur besteht

Synonym:
Diatomaceous earth

Molecular Weight: 1495
 CAS: 91053-39-3
 EEC-N: 293-303-4



Warning

H373
 P260-P314-P501a

Kieselguhr composed > RS - For thin layer chromatography according to Stahl

RS

Description Grey powder Identification Positive

Code	Size	Packaging	Notes
449895	250 g	Plastic bottle	
449897	1 kg	Plastic bottle	



Kjeldahl antifoam

- Kjeldahl antischiuma • Kjeldahl Antimousse • Kjeldahl antiespumante • Kjeldahl entschäumer

Kjeldahl antifoam > RS - For Kjeldahl

RS

Description White round flat tablets

Code	Size	Packaging	Notes
502811	1000 x 1 g	Metallic can	Composition: Sodium sulfate 0.97 g/Silicone antifoam 0.03 g



Kjeldahl catalyst according to Wieninger

• Kjeldahl catalizzatore sec. Wieninger • Catalyseur Kjeldahl selon Wieninger • Catalizador Kjeldahl según Wieninger • Kjeldahl-Katalysator nach Wieninger



Warning

H319-H411

P264-P280i-P305+P351+P338-P337+P313-P391-P501a

Kjeldahl catalyst according to Wieninger > RS - For Kjeldahl

RS

Description Grey round flat tablets

Code	Size	Packaging	Notes
502821	1000 x 5 g	Metallic can	Composition: Sodium sulfate 4.88 g/ Copper sulfate 0.07 g/ Selenium 0.05 g



Kjeldahl catalyst for water analysis

• Kjeldahl catalizzatore per analisi dell'acqua • Catalyseur Kjeldahl pour analyse de l'eau • Catalizador Kjeldahl para análisis del agua • Kjeldahl-Katalysator für die Wasseranalyse

HEU210

Kjeldahl catalyst for water analysis > RS - For Kjeldahl

RS

Description Dark grey round flat tablets

Code	Size	Packaging	Notes
502121	1000 x 5 g	Metallic can	Composition: Potassium sulfate 5.0 g/Selenium 5 mg
502122	1000 x 5 g	Metallic can	Composition: Potassium sulfate 5.0 g/Selenium 50 mg



Kjeldahl catalyst without selenium and titanium

• Kjeldahl catalizzatore • Catalyseur Kjeldahl exempt de sélénium et titane • Catalizador Kjeldahl sin selenio y potasio • Kjeldahl-Katalysator Selen- und Titanfrei

Classification transport

ONU: 3077

Transport Hazard class: 9

Packing group III



Warning

H319-H410

P264-P280i-P305+P351+P338-P337+P313-P391-P501a

Kjeldahl catalyst without selenium and titanium > RS - For Kjeldahl

RS

Description Blue speckled round flat tablets

Code	Size	Packaging	Notes
502791	1000 x 3.9 g	Metallic can	Composition: Potassium sulfate 3.50 g/Copper sulfate 0.40 g
502792	1000 x 5 g	Metallic can	Composition: Potassium sulfate 5.0 g/Copper sulfate 0.50 g



Kjeldahl selenium catalyst

• Kjeldahl catalizzatore al selenio • Catalyseur Kjeldahl au sélénium • Catalizador Kjeldahl al selenio • Kjeldahl-Selen-Katalysator

Classification transport

ONU: 3077

Transport Hazard class: 9

Packing group III



Warning

H319-H410

P264-P280i-P305+P351+P338-P337+P313-P391-P501a

Kjeldahl selenium catalyst > RS - For Kjeldahl

RS

Description Dark grey round flat tablets

Code	Size	Packaging	Notes
502120	1000 x 5 g	Metallic can	Composition: Potassium sulfate 4.63 g/Copper sulfate 0.28 g/ Selenium 0.09g

**Kjeldahl titanium catalyst**

• Kjeldahl catalizzatore al titanio • Catalyseur Kjeldahl au titane • Catalizador Keldahl al titanio • Kjeldahl-Titankatalysator

Classification transportONU: 3077
Transport Hazard class: 9
Packing group III**Warning**H319-H410
P264-P280i-P305+P351+P338-P337+P313-P391-P501a**Kjeldahl titanium catalyst > RS - For Kjeldahl**

RS

Description Blue speckled round flat tablets

Code	Size	Packaging	Notes
502123	1000 x 3.5 g	Metallic can	Composition: Potassium sulfate 3.5 g/Copper sulfate 0.105 g/ Titane dioxide 0.105 g
502802	500 x 5 g	Metallic can	Composition: Potassium sulfate 5.00 g/Copper sulfate 0.15 g/ Titane dioxide 0.15 g

**Kovac reagent**

• Kovac reattivo per indolo • Réactif pour l'indole selon Kovac • Kovac reactivo • Kovac-Reagenz

Classification transportONU: 2924
Transport Hazard class: 3
Packing group III**Warning**H226-H290-H332-H315-H319-H335
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233**Kovac reagent > RS - Reagent for indole**

RS

Description Clear yellow green liquid Identification Positive

Code	Size	Packaging	Notes
435922	100 ml	Glass bottle	

L(+)-Lactic acid
 • Acido L(+)-lattico • Acide L(+)-lactique • Acido L(+)-láctico • L-(+)-Milchsäure

Synonym:
Sarcolactic acid

CH₃CHOHCOOH
 Molecular Weight: 90,08
 CAS: 79-33-4
 EEC-N: 201-196-2

Danger
 H315-H318
 P264-P280a-P305+P351+P338-P310a-P362+P364-P332+P313

L(+)-Lactic acid > ERBapharm - According to pharmacopeia: BP-DAB-FU-Ph.Eur.-Ph.Franc.

ERBapharm

DescriptionSyrupy colourless to slightly yellow liq. Reducing substancesConform Ph.Eur. Density at 20° C1.20 ÷ 1.21 Ca.....≤200 ppm
 IdentificationPositive Ether ins. substancesConform Ph.Eur. Sulphated ash..... ≤ 0.1 % Assay (acidimetric)88.0 ÷ 92.0 %
 AppearanceConform Ph.Eur. Citric, oxalic, phosphoric acidsConform Ph.Eur. Heavy metals (Pb).....≤10 ppm Origin (BSE/TSE).....Synthesis
 Sulphate≤200 ppm Residual solvents (Current ICH).....Conform

Code	Size	Packaging	Notes
304652	1 l	Glass bottle	
304651	2.5 l	Glass bottle	
304653	25 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

L-Lactic acid calcium salt ▶ Calcium lactate

Lactophenol blue solution
 • Blu lattofenolo soluzione • Bleu de lactophénol solution • Azul lactofenol solución • Lactophenolblau-Lösung

Classification transport
 ONU: 2927
 Transport Hazard class: 6.1
 Packing group II

Danger
 H302-H331-H314-H341-H373
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P308+P313-
 P403+P233

Lactophenol blue solution > RS - For microscopy

RS

DescriptionDark blue liquid IdentificationPositive

Code	Size	Packaging	Notes
428901	100 ml	Glass bottle	In Vitro Diagnostic Medical Device

Dye for bacteriology. Contains phenol and lactic acid

Lactose monohydrate
 • Lattosio monoidrato • Lactose monohydrate • Lactosa monohidrato • Lactose Monohydrat

Synonym:
4-O-β-D-Galactopyranosyl-D-glucose

C₁₂H₂₂O₁₁·H₂O
 Molecular Weight: 360,32
 CAS: 10039-26-6
 EEC-N: 200-559-2

Lactose monohydrate > RPE - For analysis - ACS

RPE

DescriptionWhite crystalline powder SucroseConform Residue on ignition.....≤300 ppm
 IdentificationPositive Water (K.F)4.0 ÷ 6.0 % Heavy metals (Pb).....≤5 ppm
 DextroseConform Water-insoluble matter≤50 ppm Fe≤5 ppm

Code	Size	Packaging	Notes
457551	100 g	Plastic bottle	
457552	250 g	Plastic bottle	
457557	1 kg	Plastic bottle	
457553	25 kg	Plastic bucket	

Lactose monohydrate > ERBApharm - According to pharmacopoeia: DAB-BP-FU-NF-Ph.Eur.**ERBApharm**

Description	White crystalline powder	Absorbance	Conform Ph.Eur.	Loss on drying	≤ 0.5 %	TYMC	≤ 50 CFU/g
Identification	Positive	Specific optical rotation on dry	+54.4 ÷ +55.9 °	Sulphated ash	≤ 0.1 %	Escherichia coli	Absent Ph.Eur
Appearance of solution	Conform Ph.Eur.	Water (K.F)	4.5 ÷ 5.5 %	Heavy metals (Pb)	≤ 5 ppm		
Acidity or alkalinity	Conform Ph.Eur.			TAMC	≤ 100 CFU/g		

Code	Size	Packaging	Notes
348707	1 kg	Plastic bottle	
348708	5 kg	Plastic tank	
348702	10 kg	Carton box	
348703	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Lanolin anhydrous**

• Grasso di lana anidro • Lanoline anhydre • Grasa de lana anhidra • Lanolin Wasserfreies

Synonym:
Wool fat

CAS: 8006-54-0
EEC-N: 232-348-6

Lanolin anhydrous > ERBApharm - According to pharmacopoeia: FU-Ph.Eur.**ERBApharm**

Description	Soft yellow mass	Oxydable hydrosol.matt.....	Conform Ph.Eur.	Saponification value.....	90 ÷ 105	Paraffins	≤1.0 %
Melt prod. description.....	Clear liquid	Water absorption capac.	Conform Ph.Eur.	Loss on drying	≤0.5 %	Residui pesticidi	≤ 1 ppm
Identification	Positive	Acid value	≤1.0	Sulphated ash	≤0.15 %		
Acids,alkal.water-solub.....	Conform Ph.Eur.	Peroxide value.....	≤20	Chloride.....	≤150 ppm		

Code	Size	Packaging	Notes
347357	1 kg	Metallic can	
347359	5 kg	Plastic tank	
347355	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Lanthanum standard solution**

• Lantano standard soluzione • Lanthane solution standard • Lantano, solución patrón • Lanthan-Standardlösung

Classification transport

ONU: 3267
Transport Hazard class: 8
Packing group III

**Lanthanum standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505692	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505695	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505693	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Lanthanum standard solution > RS - Standard solution for ICP**RS**

Code	Size	Packaging	Notes
503681	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503683	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503685	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503687	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Lanthanum standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507744	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507509	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Lanthanum chloride 25 g/l solution

• Lantano cloruro 25 g/l soluzione • Lanthane chlorure 25g/l • Lantano cloruro solución 25 g/l
• Lanthanchlorid 25 g/l

Synonym:

- Lanthanum(III) chloride
- Lanthanum trichloride

LaCl₃
Molecular Weight: 245,27
CAS: 10099-58-8



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Lanthanum chloride 25 g/l solution > RS - Ionisation standard solution for AAS

RS

Code	Size	Packaging	Notes
504537	500 ml	Plastic bottle	Matrix: Hydrochloric acid



Lanthanum nitrate hexahydrate

• Lantano nitrato esaidrato • Lanthane nitrate hexahydraté • Lantano nitrato hexahidratado
• Lanthannitrat-Hexahydrat

Synonym:

Nitric acid, lanthanum (III) salt, hexahydrate

La(NO₃)₃·6H₂O
Molecular Weight: 433,02
CAS: 10277-43-7
EEC-N: 233-238-0

Classification transport

ONU: 1477
Transport Hazard class: 5.1
Packing group II



Danger

H272-H315-H319-H335
P210-P261-P280-P304+P340-P305+P351+P338-
P403+P233

Lanthanum nitrate hexahydrate > RPE - For analysis

RPE

Description White crystalline powder Identification Positive Fe ≤ 10 ppm Assay ≥ 98.0 %

Code	Size	Packaging	Notes
457502	25 g	Glass bottle	
457506	250 g	Plastic bottle	



Lanthanum nitrate 0.1 mol/l

• Lantano nitrato 0.1 mol/l • Lanthane nitrate 0.1 mol/l • Lantano nitrato 0.1 mol/l • Lanthannitrat 0.1 mol/l

Lanthanum nitrate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613010100	1 l	Plastic bottle	Ref Ph.Eur 3010100



Lanthanum nitrate solution 50 g/l

• Lantano nitrato soluzione 50 g/l • Lanthane nitrate 50 g/l • Lantano nitrato solución 50 g/l • Lanthannitratlösung 50 g/l

HEU210

Lanthanum nitrate solution 50 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611048001	1 l	Plastic bottle	Ref Ph.Eur 1048001

**Lanthanum oxide**

• Lantano ossido • Lanthane oxyde • Lantano oxido • Lanthanoxid

La₂O₃

Molecular Weight: 325,81

CAS: 1312-81-8

EEC-N: 215-200-5

Lanthanum oxide > RPE - For analysis**RPE**

Description White or pink powder Loss on ignition ≤ 3.0 % Assay (complexometric) ≥ 99.5 %
 Identification Positive Fe203 ≤ 250 ppm

Code	Size	Packaging	Notes
457511	100 g	Glass bottle	

Lauryltrimethylammonium bromide ▶ Dodecyltrimethylammonium bromide**Lead**

• Piombo • Plomb • Plomo • Bleibleche

Pb

Molecular Weight: 207,2

CAS: 7439-92-1

EEC-N: 231-100-4

**Danger**

H360FD-H362-H372-HA26

P260h-P263-P264-P280-P308+P313-P501a

Lead > RPE - For analysis**RPE**

Description Grey foil Identification Positive Assay 99 ÷ 100 %

Code	Size	Packaging	Notes
468866	500 g	Box	

~ 0,7 mm thickness

**Lead standard solution**

• Piombo standard soluzione • Plomb solution standard • Plomo, solución patrón • Blei-Standardlösung

**Warning**

H315-H319

P264-P280a-P305+P351+P338-P332+P313-

P362+P364-P337+P313

Lead standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**RS**

Code	Size	Packaging	Notes
615001700	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5001700
615001702	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001702
615001703	100 ml	Plastic bottle	A 2 ppm solution: to dilute according to Ref Ph.Eur 5001703
615001704	100 ml	Plastic bottle	A 1 ppm solution: to dilute according to Ref Ph.Eur 5001704
615001705	100 ml	Plastic bottle	A 0.1 ppm solution: to dilute according to Ref Ph.Eur 5001705
615001706	100 ml	Plastic bottle	A 10 ppm solution R1: to dilute according to Ref Ph.Eur 5001706
615001709	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5001701
615001701	500 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5001700

Lead standard solution > RS - For analysis according to USP**RS**

Code	Size	Packaging	Notes
504901	100 ml	Plastic bottle	conc. 100 ppm
504902	500 ml	Plastic bottle	conc. 100 ppm

Lead standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505767	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505768	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505769	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Lead standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503801	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503803	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503805	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503807	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Lead standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507752	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507490	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497595	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Nitric acid
E497591	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Lead standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
468791		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Lead standard solution > RS - Quality control standard solution for AAS (graphite furnace)

RS

Code	Size	Packaging	Notes
504364	50 ml	Plastic bottle	conc. 10 ppb - Matrix: 1% Nitric acid

**Lead (II) acetate basic**

• Piombo acetato basico • Plomb (II) acétate basique • Plomo (II) acetato básico • Blei (II) acetat basisch

Synonym:

Lead subacetate

$C_4H_6O_4Pb \cdot 2Pb(OH)_2$
Molecular Weight: 566,48
CAS: 1335-32-6
EEC-N: 215-630-3

Classification transport

ONU: 1616
Transport Hazard class: 6.1
Packing group III

**Danger**

H351-H360Df-H373-H410-HA26
P260-P280-P308+P313-P314-P405-P501a

Lead (II) acetate basic > RPE - For analysis - ACS**RPE**

Description White powder Insol. in dil. acetic ac. ≤200 ppm Cu ≤20 ppm Assay (alkalimetric) ≥33.0 % PbO
Identification Positive Chloride ≤30 ppm Fe ≤20 ppm
Loss on drying ≤1.5 % Nitrate-nitrite (NO₃) ≤30 ppm K ≤200 ppm
Water-insoluble matter ≤1.0 % Ca ≤100 ppm Na ≤500 ppm

Code	Size	Packaging	Notes
468984	100 g	Plastic bottle	
468985	250 g	Plastic bottle	
468987	1 kg	Plastic bottle	

**Lead (II) acetate basic solution**

• Piombo acetato basico soluzione • Plomb (II) acétate basique solution • Plomo (II) acetato básico solución • Blei (II) acetat basische Lösung

Synonym:

Lead subacetate

Classification transport

ONU: 1616
Transport Hazard class: 6.1
Packing group III

**Danger**

H351-H360Df-H373-H410-HA26
P260-P280-P308+P313-P314-P405-P501a

Lead (II) acetate basic solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611048400	100 ml	Glass bottle	Ref Ph.Eur 1048400

**Lead (II) acetate cotton**

• Cotone piombo (II) acetato • Coton à l'acétate de plomb (II) • Plomo (II) acetato algodón • Blei (II) acetat Baumwolle

$Pb(H_2CCOO)_2$
Molecular Weight: 325,3
CAS: 301-04-2

**Danger**

H360-H411-HA26-HEU201
P273-P280-P308+P313-P391-P405-P501a

Lead (II) acetate cotton > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611048101	10 g	Glass bottle	Ref Ph.Eur 1048101

Lead (II) acetate cotton > RS - For analysis according to USP**RS**

Code	Size	Packaging	Notes
617000301	10 g	Plastic bottle	Lead acetate cotton

**Lead (II) acetate paper**

• Cartina piombo (II) acetato • Papier (II) à l'acétate de plomb • Plomo (II) acetato papel • Blei (II) acetatpapier

**Danger**

H360-H411-HA26-HEU201
P273-P280-P308+P313-P391-P405-P501a

Lead (II) acetate paper > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611048102	50 pc	Tube	Ref Ph.Eur 1048102



Lead (II) acetate solution 95 g/l

• Piombo acetato soluzione 95 g/l • Plomb (II) acétate solution 95g/l • Plomo (II) acetato solución 95 g/l
• Blei (II) acetatlösung 95 g/l

Synonym:
Lead subacetate



Danger

H360Df-H373-H411-HA26-HEU201
P260-P280-P308+P313-P314-P405-P501a

Lead (II) acetate solution 95 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611048103	100 ml	Plastic bottle	Ref Ph.Eur 1048103



Lead (II) acetate trihydrate

• Piombo di-acetato triidrato • Plomb (II) acétate trihydraté • Plomo (II) acetato 3-hidratado • Blei (II) acetat Trihydrat

$C_6H_6O_4Pb \cdot 3H_2O$
Molecular Weight: 379,33
CAS: 6080-56-4

Classification transport

ONU: 1616
Transport Hazard class: 6.1
Packing group III



Danger

H302-H332-H360Df-H373-H410-HA26-HEU201
P260-P264-P271-P280-P304+P340-P308+P313

Lead (II) acetate trihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystals ppm Cu ≤20 ppm Ca ≤50 ppm
Identification Positive Chloride ≤5 ppm Fe ≤10 ppm K ≤50 ppm
Diluted acetic acid insoluble matter ... ≤100 Nitrate-nitrite (NO3) ≤50 ppm Assay (complexometric) 99.0 ÷ 103.0 % Na ≤100 ppm

Code	Size	Packaging	Notes
468934	100 g	Plastic bottle	
468935	250 g	Plastic bottle	
468937	1 kg	Plastic bottle	
468932	25 kg	Drum	

Lead (II) acetate trihydrate > RE - Pure

RE

Description White crystals Fe ≤ 20 ppm Assay (complexometric) ≥ 99.5 %
Identification Positive Zn ≤ 50 ppm

Code	Size	Packaging	Notes
357253	25 kg	Plastic bucket	



Lead (II) nitrate

• Piombo nitrato • Plomb (II) nitrate • Plomo (II) nitrato • Blei (II) nitrat

Synonym:
Lead dinitrate

$Pb(NO_3)_2$
Molecular Weight: 331,21
CAS: 10099-74-8

Lead (II) nitrate > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000321	100 ml	Plastic bottle	Stock Solution TS

Lead (II) nitrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystals Chloride ≤ 10 ppm Fe ≤ 10 ppm Na ≤ 0.02 %
Identification Positive Ca ≤ 50 ppm Assay (complexometric) ≥ 99.0 %
Dil. HNO3-insol. matter ≤ 50 ppm Cu ≤ 20 ppm K ≤ 50 ppm

Code	Size	Packaging	Notes
469355	100 g	Plastic bottle	
469356	500 g	Plastic bottle	
469357	1 kg	Plastic bottle	
469353	25 kg	Plastic bucket	

Lead (II) nitrate > RE - Pure

RE

Description White crystals Dil. HNO₃-insol. matter ≤ 0.005 % pH solution 7.5% 3 ÷ 4 Fe ≤ 10 ppm
 Identification Positive Chloride ≤ 50 ppm Cu ≤ 20 ppm Assay (complexometric) ≥ 98.0 %

Code	Size	Packaging	Notes
358007	1 kg	Plastic bottle	
358008	5 kg	Plastic tank	

**Lead (II) nitrate 0.1 mol/l**

• Piombo nitrato 0.1 mol/l • Plomb (II) nitrate 0.1 mol/l • Plomo (II) nitrato 0.1 mol/l • Blei (II) nitrat 0.1 mol/l

Synonym:
Lead dinitrate

**Danger**

H360Df-H373-H411-HA26-HEU201
P260-P280-P308+P313-P314-P405-P501a

Lead (II) nitrate 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613003101	500 ml	Plastic bottle	Ref Ph.Eur 3003100
613003100	1 l	Plastic bottle	Ref Ph.Eur 3003100

**Lead (II) nitrate 0.05 mol/l**

• Piombo nitrato 0.05 mol/l • Plomb (II) nitrate 0.05 mol/l • Plomo (II) nitrato 0.05 mol/l
• Blei (II) nitrat 0.05 mol/l

Synonym:
Lead dinitrate

**Danger**

H360Df-H373-H412-HA26-HEU201
P260-P280-P308+P313-P314-P405-P501a

Lead (II) nitrate 0.05 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613009700	100 ml	Plastic bottle	Ref Ph.Eur 3009700

**Lead (II) nitrate solution 33 g/l**

• Piombo nitrato soluzione 33 g/l • Plomb (II) nitrate solution 33g/l • Plomo (II) nitrato solución 33 g/l
• Blei (II) nitratlösung 33 g/l

Synonym:
Lead dinitrate

Classification transport

ONU: 1935
Transport Hazard class: 6.1
Packing group III

**Danger**

H360Df-H373-H411-HA26-HEU201
P260-P280-P308+P313-P314-P405-P501a

Lead (II) nitrate solution 33 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611048301	1 l	Plastic bottle	Ref Ph.Eur 1048301



Lead (II) oxide

• Piombo ossido • Plomb (II) oxyde • Plomo (II) óxido • Blei (II) oxid

PbO
Molecular Weight: 223,2
CAS: 1317-36-8
EEC-N: 215-267-0



Danger

H302-H332-H360Df-H373-H410-HA26-HEU201
P260-P264-P271-P280-P304+P340-P308+P313

Lead (II) oxide > RPE - For analysis

RPE

Description Polvere gialla o arancio Insoluble in Acetic ac..... ≤ 200 ppm Ca ≤ 50 ppm K ≤ 50 ppm
Identification Positive Nitrate ≤ 100 ppm Cu ≤ 50 ppm Na ≤ 0.02 %
Chloride ≤ 20 ppm Ag ≤ 5 ppm Fe ≤ 20 ppm Assay (complexometric) ≥ 99.0 %

Code	Size	Packaging	Notes
469404	100 g	Glass bottle	

Lead (II) oxide > RE - Pure

RE

Description Yellow powder Identification Positive Assay ≥ 99.8 %

Code	Size	Packaging	Notes
358257	1 kg	Plastic bottle	
358259	5 kg	Plastic tank	
358252	25 kg	Plastic bucket	



Lead (II) sulfate

• Piombo solfato • Plomb (II) sulfate • Plomo (II) sulfato • Blei (II) sulfat

Synonym:
Anglesite

PbSO₄
Molecular Weight: 303,26
CAS: 7446-14-2
EEC-N: 231-198-9



Danger

H302-H332-H360Df-H373-H410-HA26-HEU201
P260-P264-P271-P280-P304+P340-P308+P313

Lead (II) sulfate > RPE - For analysis

RPE

Description White powder Chloride ≤ 20 ppm Fe ≤ 20 ppm Assay (complexometric) ≥ 99.0 %
Identification Positive Insol. in Ammonium acet. ≤ 500 ppm K ≤ 500 ppm
Loss on ignition ≤ 0.5 % Nitrate Conform Na ≤ 0.1 %

Code	Size	Packaging	Notes
469505	250 g	Plastic bottle	
469506	1 kg	Plastic bottle	



Lead (IV) oxide

• Piombo biossido • Plomb (IV) oxyde • Plomo (IV) óxido • Blei (IV) oxid

Synonym:
Lead peroxide

PbO₂
Molecular Weight: 239,2
CAS: 1309-60-0
EEC-N: 215-174-5

Classification transport
ONU: 1872
Transport Hazard class: 5.1
Packing group III



Danger

H302-H332-H360Df-H373-H410-HA26-HEU201
P260-P264-P271-P280-P304+P340-P308+P313

Lead (IV) oxide > RPE - For analysis

RPE

Description Blackish powder Sulphate ≤ 0.1 % Loss on drying ≤ 0.5 %
Identification Positive HNO₃-insoluble matter ≤ 0.05 % Mn ≤ 20 ppm
Chloride ≤ 200 ppm Substances not ppt. H₂S ≤ 0.05 % Assay (oxidimetric) ≥ 97.0 %

Code	Size	Packaging	Notes
469055	250 g	Plastic bottle	
469057	1 kg	Plastic bottle	

**Lecithin of soya**

• Lecitina di soia • Lécithine de soja • Lecitina de soja • Sojalecithin

Synonym:

- L- α -Phosphatidylcholine
- 1,2-Diacyl-sn-glycero-3-phosphocholine

Molecular Weight: 750
CAS: 8002-43-5
EEC-N: 232-307-2

Lecithin of soya > RE - Pure**RE**

Description Powder Water < 1 % Peroxide value..... < 5 meq O2/Kg Assay (phospholipids as acetone insolubl. > 97 %
Identification Positive Acidity index < 35 mg KOH/g Insolubles in toluene..... < 0,3 % Sulphated ash..... ≤ 12 %

Code	Size	Packaging	Notes
348754	1 kg	Plastic bottle	

**L(+)-Leucine**

• L(+)-Leucina • L(+)-Leucine • L(+)-Leucina • L (+) - Leucin

Synonym:

(S)-2-Amino-4-methylpentanoic acid

$(\text{CH}_3)_2\text{CHCH}_2\text{CHNH}_2\text{COOH}$
Molecular Weight: 131,18
CAS: 61-90-5
EEC-N: 200-522-0

L(+)-Leucine > RPE - For analysis**RPE**

Description White crystals Ammonium ≤50 ppm Residue on ignition ≤500 ppm Fe ≤10 ppm
Identification Positive Chloride ≤250 ppm Tyrosine ≤200 ppm Assay (non-aqueous medium) ≥99 %
Specific optical rotation... +15.1 ÷ +16.1 ° Total phosphorus ≤10 ppm Tryptophan ≤300 ppm
Loss on drying ≤0.1 % Heavy metals (Pb) ≤10 ppm Total sulphur ≤250 ppm

Code	Size	Packaging	Notes
457928	5 g	Glass bottle	

**Light green**

• Verde luce SF • Vert lumière SF • Verde claro SF • Hellgrün

Synonym:

Acid Green 5

$\text{C}_{37}\text{H}_{34}\text{N}_2\text{Na}_2\text{O}_9\text{S}_3$
Molecular Weight: 792,86
CAS: 5141-20-8
EEC-N: 225-906-5

**Warning**

H312-H332
P261-P271-P280h-P304+P340-P312a-P501a

Light green > RS - For microscopy - C.I. 42095**RS**

Description Dark violet powder Identification Positive Water solubility..... Conform Assay ≥ 95 %

Code	Size	Packaging	Notes
491371	10 g	Glass bottle	
491372	25 g	Glass bottle	

Dye for botanical-bacteriology-cytology

**Lithium standard solution**

• Lítio standard soluzione • Lithium solution standard • Lítio, solución patrón • Lithium-Standardlösung

**Danger**

H314

P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Lithium standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505702	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505705	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505703	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Lithium standard solution > RS - Standard solution for ICP****RS**

Code	Size	Packaging	Notes
503691	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503693	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503695	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503697	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Lithium standard solution > RS - Standard solution for AAS****RS**

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507745	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507486	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497525	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497521	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Lithium standard solution > RS - NORMEX - Concentrated solution for AAS****RS**

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
458211		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package**Lithium standard solution > RS - Standard solution for ion chromatography****RS**

Code	Size	Packaging	Notes
503281	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503283	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Lithium carbonate**

• Litio carbonato • Lithium carbonate • Litio carbonato • Lithiumcarbonat

Synonym:

- Carbolithium
- Carbonic acid lithium salt

Li₂CO₃
Molecular Weight: 73,89
CAS: 554-13-2
EEC-N: 209-062-5

**Warning**

H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Lithium carbonate > RPE - For analysis - ACS**RPE**

Description White powder Diluted HCl-ins. matter ≤ 100 ppm Total sulphur ≤ 0.2 % K ≤ 100 ppm
Identification Positive Heavy metals (Pb) ≤ 20 ppm Ca ≤ 100 ppm Assay (alkalimetric) ≥ 99.0 %
Chloride ≤ 50 ppm Nitrate ≤ 5 ppm Fe ≤ 20 ppm Na ≤ 0.1 %

Code	Size	Packaging	Notes
458204	100 g	Plastic bottle	
458207	1 kg	Plastic bottle	

Lithium carbonate > RE - Pure**RE**

Description White powder Chloride ≤ 300 ppm Sulphate ≤ 0.2 % Assay (non-aqueous medium) ≥ 98 %
Identification Positive Diluted HCl-ins. matter ≤ 500 ppm Fe ≤ 30 ppm

Code	Size	Packaging	Notes
348955	250 g	Plastic bottle	
348957	1 kg	Plastic bottle	

**Lithium chloride**

• Litio cloruro • Lithium chlorure • Litio cloruro • Lithiumchlorid

LiCl
Molecular Weight: 42,39
CAS: 7447-41-8
EEC-N: 231-212-3

**Warning**

H302-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Lithium chloride > RPE - For analysis - ACS**RPE**

Description White crystalline powder Water-insoluble matter ≤ 100 ppm Ca ≤ 100 ppm Na ≤ 0.2 %
Identification Positive Heavy metals (Pb) ≤ 20 ppm Fe ≤ 10 ppm
Alcalinity ≤ 0.008 meq/g Sulphate ≤ 100 ppm K ≤ 100 ppm
Loss on drying ≤ 1.0 % Ba ≤ 30 ppm Assay (argentimetric) ≥ 99 %

Code	Size	Packaging	Notes
458254	100 g	Glass bottle	
458256	500 g	Plastic bottle	
458257	1 kg	Plastic bottle	

Lithium chloride > RE - Pure**RE**

Description White crystalline powder Umidità (H₂O) ≤ 0.8 % Fe ≤ 20 ppm
Identification Positive Sulphate ≤ 500 ppm Assay (argentimetric) ≥ 99 %

Code	Size	Packaging	Notes
458271	250 g	Plastic bottle	
458272	1 kg	Plastic bottle	
458275	5 kg	Plastic jar	
458273	25 kg	Plastic bucket	

Lithium hydride • Litio idruro • Lithium hydrure • Litio hidruro • Lithiumhydrid

LiH Molecular Weight: 7,95 CAS: 7580-67-8 EEC-N: 231-484-3	Classification transport ONU: 1414 Transport Hazard class: 4.3 Packing group I	 	Danger H260-H314 P223-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Lithium hydride > RE - Pure RE

Description Polvere bianco grigiast Identification Positive Assay (gas volumetric) ≥95 %

Code	Size	Packaging	Notes
458303	50 g	Glass bottle	

Lithium hydroxide anhydrous • Litio idrossido anidro • Lithium hydroxyde anhydre • Litio hidróxido anhidro • Lithiumhydroxid wasserfrei

LiOH Molecular Weight: 23,95 CAS: 1310-65-2 EEC-N: 215-183-4	Classification transport ONU: 2680 Transport Hazard class: 8 Packing group II	 	Danger H331-H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233
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Lithium hydroxide anhydrous > RPE - For analysis RPE

Description White powder Chloride ≤ 0.04 % Na ≤ 0.02 % Insolubles ≤ 0.01 %
 Identification Positive Sulfate ≤ 0.03 % Ca ≤ 0.005 %
 Fe ≤ 0.0001 % Assay (LiOH) ≥ 99.0 % Li2CO3 ≤ 0.5 %

Code	Size	Packaging	Notes
458281	250 g	Glass bottle	
458282	1 kg	Plastic bottle	

Lithium hydroxide monohydrate • Litio idrossido monoidrato • Lithium hydroxyde monohydraté • Litio hidróxido monohidrato • Lithiumhydroxidmonohydrat

LiOH.H ₂ O Molecular Weight: 41,96 CAS: 1310-66-3 EEC-N: 215-183-4	Classification transport ONU: 2680 Transport Hazard class: 8 Packing group II	 	Danger H302-H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Lithium hydroxide monohydrate > RPE - For analysis RPE

Description White powder Chloride ≤ 100 ppm Fe ≤ 15 ppm K + Na ≤ 0.05 %
 Identification Positive Sulphate ≤ 300 ppm Assay (acidimetric) ≥98 % Insoluble in HCl ≤ 0.01 %
 Carbonate ≤ 0.70 % Ca ≤ 250 ppm Insoluble in water ≤ 0.01 %

Code	Size	Packaging	Notes
458292	1 kg	Plastic bottle	

Lithium methoxide 0.1 mol/l (0.1N) • Litio metilato 0.1 mol/l (0.1N) • Lithium méthylate 0.1 mol/l (0.1N) • Litio metilato 0.1 mol/l (0.1N) • Lithiummethylat 0.1 mol/l (0.1 N) Synonym: Lithium methylate

CH ₃ LiO Molecular Weight: 38,02 CAS: 865-34-9	Classification transport ONU: 1992 Transport Hazard class: 3 Packing group II	   	Danger H225-H302-H314-H361d-H370-H336-H373 P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Lithium methoxide 0.1 mol/l (0.1N) > RPE - For analysis RPE

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E458321	500 ml	Glass bottle	

Toluene solution ready-to-use

**Lithium nitrate**

• Litio nitrato • Lithium nitrate • Litio nitrato • Lithiumnitrat

LiNO₃
Molecular Weight: 68,95
CAS: 7790-69-4
EEC-N: 232-218-9

Classification transport
ONU: 2722
Transport Hazard class: 5.1
Packing group III



Danger
H272
P210-P220-P280-P370+P378a-P501a

Lithium nitrate > RPE - For analysis**RPE**

Description White crystalline powder Water ≤ 1 % Chloride ≤ 100 ppm Fe2O3 ≤ 50 ppm
Identification Positive Alkalinity ≤ 0.05 % Sulphate ≤ 500 ppm Assay ≥ 99.0 %

Code	Size	Packaging	Notes
458355	250 g	Plastic bottle	
458356	1 kg	Plastic bottle	

**Lithium sulfate monohydrate**

• Litio solfato monoidrato • Lithium sulfate monohydraté • Litio solfato monoidrato • Lithiumsulfat-Monohydrat

Li₂SO₄·H₂O
Molecular Weight: 127,95
CAS: 10102-25-7
EEC-N: 233-802-4



Warning
H302
P264-P270-P301+P312a-P330-P501a

Lithium sulfate monohydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description White crystalline powder Water-insoluble matter ≤100 ppm Heavy metals (Pb) ≤10 ppm Na ≤500 ppm
Identification Positive Chloride ≤20 ppm Fe ≤10 ppm Assay (acidimetric) ≥99.0 % s.s.
Loss on drying 150° C 13.0 ÷ 15.0 Nitrate ≤10 ppm K ≤500 ppm

Code	Size	Packaging	Notes
458404	100 g	Plastic bottle	
458405	1 kg	Plastic bottle	

**Lithium tetraborate anhydrous**

• Litio tetraborato anidro • Lithium tétraborate anhydre • Litio tetraborato anhidro • Lithiumtetraborat wasserfrei

Li₂B₄O₇
Molecular Weight: 169,12
CAS: 12007-60-2
EEC-N: 234-514-3



Danger
H302-H318-H361d
P264-P280-P301+P312a-P305+P351+P338-P310a-P308+P313

Lithium tetraborate anhydrous > RE - Pure**RE**

Description White powder Identification Positive Assay ≥ 98 %

Code	Size	Packaging	Notes
458163	1 kg	Plastic bottle	
458164	5 kg	Plastic jar	

**Litmus**

• Tornasole • Tournesol • Tornasol • Lackmus

Molecular Weight: 3300
CAS: 1393-92-6
EEC-N: 215-739-6

Litmus > RPE - For analysis**RPE**

Description Dark blue granules Identification Positive Colour change rosso - blu pH range 4.8 ÷ 8.3

Code	Size	Packaging	Notes
489054	100 g	Plastic bottle	

**Litmus paper**

• Cartine tornasole • Papier tournesol • Papel tornasol • Sonnenblumenpapier

Classification transport

ONU: 2025

Litmus paper > RS - For pHmetry**RS**

Code	Size	Packaging	Notes
435260000	1 roll	Dispenser	Blue litmus paper, Color change: blue --> red, change pH 8.0 - 5.0
435300000	1 roll	Dispenser	Neutral litmus paper, Color change: red <-- purple --> Blue, Change pH 5.0 - 8.0
435340000	1 roll	Dispenser	Red litmus paper, Color change: red --> blue, Change pH 5.0 - 8.0

Roll dispenser 5 m by 7 mm

**Lugol concentrated solution**

• Lugol "forte" soluzione concentrata • Réactif de Lugol solution concentrée • Lugol reactivo solución concentrada • Lugol Reagenz konzentrierte Lösung

**Warning**

H373

P260-P314-P501a

Lugol concentrated solution > RS - For microscopy**RS**

Description Liquido limpido rosso bruno Identification Positive Assay as iodine (oxidimetric) 4.9 ÷ 5.1 % (p/v)

Code	Size	Packaging	Notes
458741	1 l	Glass bottle	

**Lugol solution for Gram-Hucker kit**

• Lugol soluzione in acqua per kit Gram-Hucker • Réactif de Lugol solution pour kit de Gram-Hucker • Lugol solución para kit Gram - Hucker
• Lugol-Reagenzlösung für das Gram-Hucker-Kit

**Danger**

H318-H373-H411

P260-P280i-P305+P351+P338-P310a-P314-P501a

Lugol solution for Gram-Hucker kit > RS - For bacteriology**RS**

Description Brown clear liquid Identification Positive Assay 0.85 ÷ 0.95 %p/p (12)

Code	Size	Packaging	Notes
458751	250 ml	Glass bottle	In Vitro Diagnostic Medical Device

**Lugol's Reagent Iodine-Iodide Solution**

• Lugol reattivo soluzione iodo-iodurata • Réactif de Lugol solution • Lugol reactivo solución yodo-yodurata • Lugol-Reagenzlösung

**Warning**

H373

P260-P314-P501a

Lugol's Reagent Iodine-Iodide Solution > RS - For colposcopy**RS**

Description Brown clear liquid Identification Positive Assay as iodine (oxidimetric) 1.9 ÷ 2.1 % p/v

Code	Size	Packaging	Notes
458762	250 ml	Glass bottle	Medical Device
E458761	6 x 250 ml	Glass bottle	Medical Device
458763	1 l	Glass bottle	Medical Device

**Luminol**

• Luminol • Luminol • Luminol • Luminol

Synonym:

5-Amino-2,3-dihydro-1,4-phthalazinedione

$C_8H_7N_3O_2$
 Molecular Weight: 177,17
 CAS: 521-31-3
 EEC-N: 208-309-4

**Warning**

H302-H332

P261-P264-P271-P301+P312a-P304+P340-P501a

Luminol > RPE - For analysis**RPE**

Description Polvere verde-giallog. Identification Positive Assay (acidimetric) 97.5 ÷ 102.5 %

Code	Size	Packaging	Notes
458772	25 g	Glass bottle	

For chemiluminescence**Lutetium standard solution**

• Lutezio standard soluzione • Lutéthium solution standard • Lutecio, solución patrón • Lutethium-Standardlösung

Classification transport

ONU: 1760
 Transport Hazard class: 8
 Packing group III

**Lutetium standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505707	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505708	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505709	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Lutetium standard solution > RS - Standard solution for ICP****RS**

Code	Size	Packaging	Notes
503611	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503613	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503615	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503617	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**L(+)-Lysine monohydrochloride**

• L(+)-Lisina monocloridrato • L(+)-Lysine monochlorhydrate • L(+)-Lisina monoclorhidrato • L (+) Lysinmonohydrochlorid

Synonym:

(S)-2,6-Diaminohexanoic acid monohydrochloride

$C_8H_{14}N_2O_2 \cdot HCl$
 Molecular Weight: 182,65
 CAS: 657-27-2
 EEC-N: 211-519-9

L(+)-Lysine monohydrochloride > RPE - For analysis**RPE**

Description White powder Ammonium ≤10 ppm Residue on ignition ≤500 ppm Assay (argentimetric) ≥99 %
 Identification Positive Total phosphorus ≤5 ppm Total sulphur ≤30 ppm
 Specific optical rotation... +19.5 ÷ +21.5 ° Water-insoluble matter ≤50 ppm Fe ≤10 ppm
 Loss on drying ≤0.3 % Heavy metals (Pb) ≤10 ppm Assay (ex nitrogen) ≥99 %

Code	Size	Packaging	Notes
458122	25 g	Glass bottle	
458124	100 g	Plastic bottle	
458121	5 kg	Plastic tank	



Magnesium, powder

• Magnesio, polvere • Magnésium, poudre • Magnesio, polvo • Magnesiumpulver

Mg

Molecular Weight: 24,31

CAS: 7439-95-4

EEC-N: 231-104-6

Classification transport

ONU: 1869

Transport Hazard class: 4.1

Packing group III



Danger

H228-H251-H261

P210-P223-P231a+P232-P241-P280-P402+P404

Magnesium, powder > RPE - For analysis

RPE

Description Grey powder Identification Positive Titolo (AAS/CP) ≥ 99 % (Mg)

Code	Size	Packaging	Notes
459066	500 g	Metallic can	



Magnesium, ribbon

• Magnesio, nastro • Magnesium, rubans • Magnesio, tiras • Magnesiumbänder

Mg

Molecular Weight: 24,31

CAS: 7439-95-4

EEC-N: 231-104-6

Classification transport

ONU: 1869

Transport Hazard class: 4.1

Packing group III



Danger

H228-H251-H261

P210-P223-P231a+P232-P241-P280-P402+P404

Magnesium, ribbon > RPE - For analysis

RPE

Description Ribbon Identification Positive Assay ≥ 99 %

Code	Size	Packaging	Notes
459044	100 g	Carton box	

Size ~ 0.2 x 3 mm



Magnesium, turnings

• Magnesio, tornitura • Magnésium, tournures • Magnesio, virutas • Magnesium dreht sich um

Mg

Molecular Weight: 24,31

CAS: 7439-95-4

EEC-N: 231-104-6

Classification transport

ONU: 1869

Transport Hazard class: 4.1

Packing group III



Danger

H228-H251-H261

P210-P223-P231a+P232-P241-P280-P402+P404

Magnesium, turnings > RPE - For analysis

RPE

Description Silvery turnings Identification Positive Other metals ≤ 0.10 % Assay ≥ 99.80 % (Mg)

Code	Size	Packaging	Notes
459085	250 g	Metallic can	

According to Grignard



Magnesium standard solution

• Magnesio standard soluzione • Magnésium solution standard • Magnesio, solución patrón • Magnesiumstandardlösung



Warning

H290

P234-P390-P406

Magnesium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001801	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001801
615001802	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001802
615001803	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5001803
615001809	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5001800

Magnesium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505712	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505715	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505713	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Magnesium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503711	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503713	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503715	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503717	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Magnesium standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
503718	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503719	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497535	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497531	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
507039	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Magnesium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
458891		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Magnesium standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503291	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503293	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503390	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Magnesium acetate tetrahydrate

- Magnesio acetato tetraidrato • Magnésium acétate tétrahydraté • Magnesio acetato tetrahidratado
- Magnesiumacetat-Tetrahydrat

Synonym:
Acetic acid magnesium salt

Mg(CH₃COO)₂·4H₂O
Molecular Weight: 214,46
CAS: 16674-78-5
EEC-N: 205-554-9

Magnesium acetate tetrahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White crystalline powder	Sulphate	≤ 50 ppm	Fe	≤ 5 ppm	Sr	≤ 50 ppm
Identification	Positive	Heavy metals (Pb)	≤ 5 ppm	K	≤ 50 ppm	Assay (complexometric)	98.0 ÷ 102.0 %
Water-insoluble matter	≤ 50 ppm	Ba	≤ 10 ppm	Mn	≤ 10 ppm		
Chloride	≤ 10 ppm	Ca	≤ 100 ppm	Na	≤ 50 ppm		

Code	Size	Packaging	Notes
459135	250 g	Plastic bottle	
459137	1 kg	Plastic bottle	
459131	25 kg	Drum	



Magnesium carbonate basic

- Magnesio carbonato basico • Magnésium carbonate basique • Magnesio carbonato básico
- Magnesiumcarbonat basisch

Synonym:
Magnesium hydroxide carbonate

(MgCO₃)₄·Mg(OH)₂·5H₂O
Molecular Weight: 485,69
CAS: 39409-82-0
EEC-N: 235-192-7

Magnesium carbonate basic > RPE - For analysis

RPE

Description	Light white powder	Chloride	≤ 300 ppm	Ca	≤ 0.2 %	Pb	≤ 0.5 ppm
Identification	Positive	Heavy metals (Pb)	≤ 10 ppm	Cd	≤ 0.5 ppm	Loss on calcination	55.0 - 60.0 %
Water solubility	≤ 0.5 %	Sulphate	≤ 0.20 %	Fe	≤ 400 ppm	Assay (complexometric)	40.0 ÷ 45.0 % (MgO)
Insoluble in acetic acid	≤ 0.05 %	As	≤ 2 ppm	Hg	≤ 0.1 ppm		

Code	Size	Packaging	Notes
459285	250 g	Plastic bottle	
459287	1 kg	Plastic bottle	

Magnesium carbonate basic > ERBApharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White powder	Chloride	≤ 0.07 %	Acet.ac.not soluble ma.	≤ 0.05 %	Assay (Mg oxide)	40.0 ÷ 45.0 %
Identification	Positive	Heavy metals (Pb)	≤ 20 ppm	As	≤ 2 ppm		
Appearance of solution	Conform Ph.Eur.	Sulphate	≤ 0.3 %	Ca	≤ 0.75 %		
Apparent density	60 ÷ 150 g/l	Water-soluble subst.	≤ 1.0 %	Fe	≤ 0.04 %		

Code	Size	Packaging	Notes
349257	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Magnesium carbonate basic > ERBApharm - According to pharmacopoeia: USP

ERBApharm

Description	White powder	Heavy metals (Pb)	≤ 30 ppm	As	≤ 4 ppm	Assay (Mg oxide)	40.0 ÷ 43.5 %
Identification	Positive	Soluble salts	≤ 1.0 %	Ca	≤ 0.45 %	Escherichia coli	Absent
Apparent density	400 ÷ 500 g/l	Acid not soluble matter	≤ 0.05 %	Fe	≤ 0.02 %		

Code	Size	Packaging	Notes
349279	5 kg	Plastic tank	
349272	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade. Heavy powder

**Magnesium chloride hexahydrate**

• Magnesio cloruro esaidrato • Magnésium chlorure hexahydraté • Magnesio cloruro hexahidrato • Magnesiumchlorid-Hexahydrat

MgCl₂·6H₂O
 Molecular Weight: 203,31
 CAS: 7791-18-6
 EEC-N: 232-094-6

Magnesium chloride hexahydrate > RPE - For analysis - ACS - ISO**RPE**

Description	White crystals	Phosphate	≤5 ppm	Ba	≤50 ppm	Mn	≤5 ppm
Identification	Positive	Nitrate	≤10 ppm	Ca	≤100 ppm	Na	≤50 ppm
Water-insoluble matter	≤50 ppm	Sulphate	≤20 ppm	Fe	≤5 ppm	Sr	≤50 ppm
Ammonium	≤20 ppm	Heavy metals (Pb).....	≤5 ppm	K	≤50 ppm	Assay (complexometric)	99.0 ÷ 102.0 %

Code	Size	Packaging	Notes
459336	100 g	Plastic bottle	
459337	1 kg	Plastic bottle	
459331	5 kg	Plastic tank	
459332	25 kg	Plastic bucket	
459334	50 kg	Fibre drum	

Magnesium chloride hexahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-**ERBApharm**

BP

Description	Colourless hygroscopic crystals	Ba	Conform USP-NF	Sulphate	≤50 ppm	Assay (complexometric)	98.0 ÷ 101.0 %
Identification B	Positive	K	Conform USP-NF	Not soluble matter	≤50 ppm	Origin (BSE/TSE).....	Synthesis
Identification C	Positive	pH solution 5%	4.5 ÷ 7.0	Al	≤1 ppm	Residual solvents (Current ICH).....	Conform
Identification (I.R.).....	Positive	Water (K.F.)	51.0 ÷ 55.0 %	As	≤2 ppm		
Appearance of solution	Conform Ph.Eur.	Heavy metals (Pb).....	≤10 ppm	Ca	≤100 ppm		
Acidity or alkalinity.....	Conform Ph.Eur.	Bromide.....	≤500 ppm	Fe	≤10 ppm		

Code	Size	Packaging	Notes
349357	1 kg	Plastic bottle	
349359	5 kg	Plastic tank	
349355	25 kg	Drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Magnesium chloride hexahydrate > RE - Pure****RE**

Description	White crystalline powder	As	≤ 2 ppm	Cu	≤ 10 ppm	Pb	≤ 10 ppm
Identification	Positive	Al	≤ 1 ppm	Fe	≤ 5 ppm	Zn	≤ 10 ppm
Ammonium	≤ 50 ppm	Ba	≤ 20 ppm	K	≤ 3000 ppm	Assay (complexometric)	98.5 ÷ 101.5 %
Sulphate	≤ 100 ppm	Ca	≤ 1000 ppm	Na	≤ 5000 ppm		

Code	Size	Packaging	Notes
349377	1 kg	Plastic bottle	
349372	25 kg	Plastic bucket	

**Magnesium glycerophosphate**

• Magnesio glicerofosfato • Magnesium glycerophosphate • Magnesio glicerofosfato • Magnesiumglycerophosphat

Synonym:
DL-alpha-glycerol phosphate magnesium salt hydrate

C₃H₇O₂PO₄Mg
 Molecular Weight: 194,36
 CAS: 927-20-8
 EEC-N: 231-149-3

Magnesium glycerophosphate > RE - Pure**RE**

Description	White crystalline powder	Residue on calcination.....	47 ÷ 52 %	Heavy metals (Pb).....	≤ 10 ppm	Assay (Mg).....	≥ 10.6 %
Identification	Positive	Glycerol-Alc.sol.impur.....	≤ 2 %	As	≤ 4 ppm		

Code	Size	Packaging	Notes
349407	1 kg	Plastic bottle	



Magnesium hydrogen phosphate trihydrate

- Magnesio fosfato bibásico trihidrato • Magnesium phosphate dibasic trihydrat
- Magnesio fosfato dibásico trihidrato • Magnesium hydrogenphosphat Trihydrat

Synonym:

- Magnesium phosphate dibasic trihydrate
- Newberyite

MgHPO₄·3H₂O
Molecular Weight: 174,34
CAS: 7782-75-4

Magnesium hydrogen phosphate trihydrate > RPE - For analysis

RPE

Description	White powder	HCl-insoluble matter	≤500 ppm	Cu	≤50 ppm	Pb	≤50 ppm
Identification	Positive	Sulphate	≤ 60 ppm	Fe	≤50 ppm	Assay (complexometric)	97 ± 100 %
Chloride	≤100 ppm	As	≤1 ppm	Ni	≤ 50 ppm		

Code	Size	Packaging	Notes
459435	250 g	Plastic bottle	
459437	1 kg	Plastic bottle	



Magnesium hydroxide

- Magnesio idrossido • Magnésium hydroxyde • Magnesio hidróxido • Magnesiumhydroxid

Mg(OH)₂
Molecular Weight: 58,33
CAS: 1309-42-8
EEC-N: 215-170-3



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Magnesium hydroxide > ERBAPharm - According to pharmacopeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBAPharm

Description	White powder	Chloride	≤ 0.1 %	Acet.ac.not soluble ma.	≤ 0.1 %	Assay (complexometric)	95.0 ÷ 100.5 %
Identification	Positive	Heavy metals (Pb)	≤ 30 ppm	As	≤ 4 ppm		
Appearance of solution	Conform Ph.Eur.	Sulphate	≤ 1.0 %	Ca	≤ 1.5 %		
Loss on ignition	29.0 ÷ 32.5 %	Soluble matter	≤ 2.0 %	Fe	≤ 0.07 %		

Code	Size	Packaging	Notes
349455	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Magnesium hydroxide carbonate ▶ Magnesium carbonate basic



Magnesium nitrate hexahydrate

- Magnesio nitrato esaidrato • Magnésium nitraté hexahydraté • Magnesio nitrato hexahidratado • Magnesiumnitrat-Hexahydrat

Mg(NO₃)₂·6H₂O
Molecular Weight: 256,41
CAS: 13446-18-9
EEC-N: 233-826-7

Classification transport

ONU: 1474
Transport Hazard class: 5.1
Packing group III



Danger

H272-H319
P210-P220-P264-P280-P305+P351+P338-
P337+P313

Magnesium nitrate hexahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White crystals	Chloride	≤10 ppm	Ca	≤100 ppm	Sr	≤50 ppm
Identification	Positive	Phosphate	≤5 ppm	Fe	≤5 ppm	Assay (complexometric)	98.0 ÷ 102.0 %
pH sol. 5% at 25° C	5.0 ÷ 8.2	Sulphate	≤50 ppm	K	≤50 ppm		
Water-insoluble matter	≤50 ppm	Heavy metals (Pb)	≤5 ppm	Mn	≤5 ppm		
Ammonium	≤30 ppm	Ba	≤50 ppm	Na	≤50 ppm		

Code	Size	Packaging	Notes
459535	100 g	Plastic bottle	
459536	500 g	Plastic bottle	
459537	1 kg	Plastic bottle	

Magnesium nitrate hexahydrate > RE - Pure

RE

Description	White or yellowish pellets	Identification	Positive	Fe	≤ 10 ppm	Assay (complexometric)	≥ 96 %
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Code	Size	Packaging	Notes
349557	1 kg	Plastic bottle	

**Magnesium nitrate 10 g/l solution**

• Magnesio nitrato 10 g/l soluzione • Magnésium nitrate 10 g/l • Magnesio nitrato solución 10 g/l • Magnesiumnitrat 10 g/l

HEU210

Magnesium nitrate 10 g/l solution > RS - Matrix modifiers for AAS-GTA

RS

Code	Size	Packaging	Notes
503196	50 ml	Plastic bottle	Matrix: Water

**Magnesium oxide**

• Magnesio ossido • Magnésium oxyde • Magnesio óxido • Magnesiumoxid

MgO

Molecular Weight: 40,31

CAS: 1309-48-4

EEC-N: 215-171-9

Magnesium oxide > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611049901	100 g	Bottle	

Magnesium oxide > RS - For chromatography

RS

Description White powder Identification Positive

Code	Size	Packaging	Notes
459617	1 kg	Plastic bottle	

Magnesium oxide > RPE - For analysis

RPE

Description White powder Assay (complexometric) $\geq 99\%$ Sulphat + sulphit (SO₄) $\leq 0.25\%$ Na $\leq 0.1\%$
 Identification Positive Chloride $\leq 0.25\%$ Ca $\leq 0.3\%$
 Loss on ignition $\leq 2\%$ Silicate ≤ 500 ppm Fe ≤ 400 ppm

Code	Size	Packaging	Notes
459584	100 g	Plastic bottle	
459586	500 g	Plastic bottle	
459587	1 kg	Plastic bottle	

**Magnesium oxide heavy**

• Magnesio ossido pesante • Magnésium oxyde lourde • Magnesio óxido pesado • Magnesiumoxid schwer

MgO

Molecular Weight: 40,31

CAS: 1309-48-4

EEC-N: 215-171-9

Magnesium oxide heavy > ERBapharm - According to pharmacopoeia: Ph.Eur.

ERBapharm

Description White powder Loss on ignition $\leq 8.0\%$ Soluble matter $\leq 2.0\%$ Fe $\leq 0.07\%$
 Identification Positive Chloride $\leq 0.1\%$ Acet.ac.not soluble ma. $\leq 0.1\%$ Assay (complexometric) $98.0 \div 100.5\%$
 Appearance of solution Conform Ph.Eur. Heavy metals (Pb) ≤ 30 ppm As ≤ 4 ppm Calc.
 Apparent density ≥ 0.25 g/ml Sulphate $\leq 1.0\%$ Ca $\leq 1.5\%$

Code	Size	Packaging	Notes
349655	1 kg	Plastic bottle	
349656	5 kg	Plastic tank	
349653	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Magnesium perchlorate

• Magnesio perclorato • Magnesium perchlorate • Magnesio perclorato • Magnesiumperchlorat

Mg(ClO₄)₂
Molecular Weight: 223,21
CAS: 10034-81-8
EEC-N: 233-108-3

Classification transport
ONU: 1475
Transport Hazard class: 5.1
Packing group II



Danger
H272-H315-H319-H335
P210-P261-P280-P304+P340-P305+P351+P338-P403+P233

Magnesium perchlorate > RPE - For analysis

RPE

Description White crystalline powder or flakes and/or chunks Loss on drying (190°C)..... ≤ 8 % Titration base..... ≤ 0.025 meq/g
Identification Positive Titration free acid ≤ 0.005 meq/g Suitability (for moisture absorption)..... Passes test

Code	Size	Packaging	Notes
422254	100 g	Glass bottle	
422251	250 g	Glass bottle	
422252	1 kg	Glass bottle	



Magnesium peroxide

• Magnesio perossido • Magnésium péroxyde • Magnesio peróxido • Magnesiumperoxid

MgO₂
Molecular Weight: 56,3
CAS: 14452-57-4
EEC-N: 238-438-1

Classification transport
ONU: 1476
Transport Hazard class: 5.1
Packing group II



Danger
H272
P210-P220-P280-P370+P378a-P501a

Magnesium peroxide > RE - Pure

RE

Description White powder Identification Positive Assay (oxidimetric) ≥15 %

Code	Size	Packaging	Notes
349757	1 kg	Plastic bottle	
349753	25 kg	Drum	

Magnesium phosphate dibasic trihydrate ▶ Magnesium hydrogen phosphate trihydrate



Magnesium stearate

• Magnesio stearato • Magnésium stéarate • Magnesio estearato • Magnesiumstearat

Synonym:
Stearic acid magnesium salt

[CH₃(CH₂)₁₆CO₂]₂Mg
Molecular Weight: 591,27
CAS: 557-04-0
EEC-N: 209-150-3

Magnesium stearate > ERBapharm - Vegetal origin-According to pharmacopoeia: Ph.Eur.-BP-FU-NF

ERBapharm

Description White powder Stearic+Palmitic acid ≥ 90.0 % Pb ≤ 10 ppm Escherichia coli Absent
Identification Positive Chloride..... ≤ 0.1 % Assay (magnesium) 4.0 ÷ 5.0 % s.s. Salmonella..... Absent
Acidity or alkalinity..... Conform Ph.Eur. Sulphate ≤ 1.0 % Microbial tests
Loss on drying ≤ 6.0 % Cd ≤ 3 ppm TAMC ≤ 1000 CFU/g
Stearic acid..... ≥ 40.0 % Ni ≤ 5 ppm TYMC ≤ 100 CFU/g

Code	Size	Packaging	Notes
350032	2.5 kg	Plastic bottle	
350033	20 kg	Fibre drum	
350035	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Maize starch

• Amido di mais • Amidon de maïs • Almidón de maíz • Maisstärke

(C₆H₁₀O₅)_n
CAS: 9005-84-9
EEC-N: 232-686-4

Maize starch > ERBApharm - According to pharmacopoeia: BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White or yellowish powder	pH at 20° C	4.0 ÷ 7.0	Fe	≤ 10 ppm	Escherichia coli	Absent Ph.Eur.
Identification	Positive	Loss on drying	≤ 15.0 %	Microbial tests		Salmonella	Absent Ph. Eur.
Zolfo diossido	≤ 50 ppm	Sulphated ash	≤ 0.6 %	TAMC	≤ 1000 CFU/g		
Foreign cellular elem.	Conform Ph.Eur.	Oxidizing substances	≤ 20 ppm	TYMC	≤ 100 CFU/g		

Code	Size	Packaging	Notes
313071	1 kg	Plastic bottle	
313072	5 kg	Plastic tank	
313073	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Malachite green

• Verde malachite • Vert de malachite • Verde de malaquita • Malachitgrün

Synonym:
Basic green 4

C₂₃H₂₅ClN₂
Molecular Weight: 364,92
CAS: 569-64-2
EEC-N: 209-322-8

Classification transport

ONU: 3143
Transport Hazard class: 6.1
Packing group III



Danger

H302-H318-H361d-H410
P264-P280-P301+P312a-P305+P351+P338-P310a-P308+P313

Malachite green > RS - For microscopy - C.I. 42000

RS

Description

Green shining crystals

Identification

Positive

Code	Size	Packaging	Notes
491303	25 g	Glass bottle	
491304	100 g	Plastic bottle	

Dye for cytology



Malachite green solution 0.5% in acetic acid anhydrous

• Verde malachite soluzione 0.5% in acido acetico anidro
• Vert malachite solution 0.5% dans l'acide acétique anhydre
• Verde de malaquita solución 0.5% en acido acético anhidro
• Grüne Malachitlösung 0.5% in wasserfreier Essigsäure

Synonym:
Basic green 4

Classification transport

ONU: 3264

Malachite green solution 0.5% in acetic acid anhydrous > RS - For analysis according to Ph. Eur. Chap.

RS

4.1.1

Code	Size	Packaging	Notes
611050501	1 l	Glass bottle	Ref Ph.Eur 1050501

**Maleic acid**

• Acido maleico • Acide maléique • Acido maleico • Maleinsäure

Synonym:

• *cis*-Butenedioic acid
• Toxilic acidHOOCCH:CHCOOH
Molecular Weight: 116,07
CAS: 110-16-7
EEC-N: 203-742-5**Classification transport**ONU: 3261
Transport Hazard class: 8
Packing group III**Warning**H302-H315-H319-H317-H335
P261-P271-P304+P340-P305+P351+P338-
P337+P313-P403+P233**Maleic acid > ERBApharm - According to pharmacopoeia: BP-Ph.Eur.-USP-NF****ERBApharm**Description White crystalline powder
Identification Positive
Appearance of solution Conform Ph.Eur.
Fumaric acid Conform Ph.Eur.
Melting point 132 ÷ 135 °C
Water (K.F.) ≤2.0 %
Sulphated ash ≤0.1 %
Heavy metals (Pb) ≤10 ppm
Fe ≤5 ppm
Assay (acidimetric) 99.0 ÷ 101.0 % s s
Origin (BSE/TSE) Synthesis
Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
407266	500 g	Plastic bottle	
407261	5 kg	Plastic tank	
407263	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Maleic anhydride**

• Anidride maleica • Anhydride maléique • Anhídrido maleico • Maleinsäureanhydrid

Synonym:

2,5-Furandione

OCOCH:CHCO
Molecular Weight: 98,06
CAS: 108-31-6
EEC-N: 203-571-6**Classification transport**ONU: 2215
Transport Hazard class: 8
Packing group III**Danger**H302-H314-H334-H317
P280-P284-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364-
P342+P311a**Maleic anhydride > RPE - For analysis****RPE**Description White flakes
Identification Positive
Melting point 52 ÷ 55 °C
Acido maleico libero ≤ 0.5 %
Assay (acidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
421955	250 g	Plastic bottle	

**DL-Malic acid**

• Acido DL-malico • Acide DL-malique • Acido DL-málico • DL-Apfelsäure

Synonym:

• (±)-2-Hydroxysuccinic acid
• DL-Hydroxybutanedioic acidHOOCCH(OH)CH₂COOH
Molecular Weight: 134,09
CAS: 617-48-1
EEC-N: 210-514-9**Warning**H319
P264-P280i-P305+P351+P338-P337+P313**DL-Malic acid > RPE - For analysis****RPE**Description White crystalline powder
Identification Positive
Water-insoluble matter ≤ 0.1 %
Melting point 130 ÷ 132 °C
Water ≤ 0.3 %
Chloride ≤ 5 ppm
Heavy metals (Pb) ≤ 20 ppm
Sulphated ash ≤ 0.05 %
As ≤ 3 ppm
Pb ≤ 10 ppm
Assay (acidimetric) ≥ 99.0 %

Code	Size	Packaging	Notes
407314	100 g	Plastic bottle	
407316	500 g	Plastic bottle	

**Malonic acid**

• Acido malonico • Acide malonique • Acido malónico • Malonsäure

Synonym:
Propanedioic acid

HOOCCH₂COOH
 Molecular Weight: 104,06
 CAS: 141-82-2
 EEC-N: 205-503-0

**Warning**

H302-H319
 P264-P280i-P301+P312a-P305+P351+P338-
 P337+P313-P501a

Malonic acid > RPE - For analysis**RPE**

Description White crystalline powder Melting point 133 ÷ 136 °C Assay (acidimetric) ≥ 98.5 % Sulphate ≤ 0.1 %
 Identification Positive Chloride ≤ 100 ppm Residue on ignition ≤ 0.5 %

Code	Size	Packaging	Notes
407363	50 g	Glass bottle	

**Maltose monohydrate**

• Maltosio monoidrato • Maltose monohydraté • Maltosa monohidrato • Maltose-Monohydrat

Synonym:
4-O-α-D-Glucopyranosyl-D-glucose

C₁₂H₂₂O₁₁·H₂O
 Molecular Weight: 360,32
 CAS: 6363-53-7
 EEC-N: 200-716-5

Maltose monohydrate > RPE - For analysis**RPE**

Description Whitish powder Potere rotat. spec. (C=2; H₂O 24h) 130 ± 3 ° Melting point ca. 120 °C (dec)
 Identification Positive Water ≤ 7.5 % Assay ≥ 94.0 %

Code	Size	Packaging	Notes
459863	50 g	Glass bottle	
459865	250 g	Plastic bottle	

Maltose monohydrate > RE - Pure**RE**

Description White crystalline powder Water ≤ 7 % Assay ≥ 92 %
 Identification Positive Sulphated ash ≤ 0.1 %

Code	Size	Packaging	Notes
350401	25 kg	Plastic bucket	

**D(-)Mandelic acid**

• Acido D(-)mandelico • Acide D(-)mandélique • Acido D(-)mandélico • D (-) Mandelsäure

Synonym:
(R)-alpha-hydroxyphenylacetic acid

C₆H₅CH(OH)COOH
 Molecular Weight: 152,15
 CAS: 611-71-2
 EEC-N: 210-276-6

D(-)Mandelic acid > RPE - For analysis**RPE**

Description White crystalline powder Melting point 133 ÷ 135 °C ÷ -153.4 °
 Identification Positive Potere rotator. spec. (C=2 in Acqua) -155.4

Code	Size	Packaging	Notes
407421	25 g	Glass bottle	

**Manganese electrolytic**

• Manganese elettrolitico • Manganèse électrolytique • Manganeso electrolítico • Elektrolytisches Mangan

Mn
 Molecular Weight: 54,94
 CAS: 7439-96-5
 EEC-N: 231-105-1

Manganese electrolytic > RPE - For analysis**RPE**

Description Brown irregular flakes Identification Positive Assay 99.9 ÷ 100.0 %

Code	Size	Packaging	Notes
459965	250 g	Glass bottle	

**Manganese standard solution**

• Manganese standard soluzione • Manganèse solution standard • Manganeso, solución patrón • Mangan-Standardlösung

Classification transport

ONU: 3264
 Transport Hazard class: 8
 Packing group II

**Danger**

H290-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Manganese standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**RS**

Code	Size	Packaging	Notes
615004500	1 l	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5004500
615005800	1 l	Plastic bottle	A 1.000 ppm solution Ref Ph.Eur 5005800

Manganese standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505717	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505718	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505719	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Manganese standard solution > RS - Standard solution for ICP**RS**

Code	Size	Packaging	Notes
503721	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503723	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503725	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503727	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Manganese standard solution > RS - Standard solution for AAS**RS**

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507746	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507488	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497545	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497541	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Manganese standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
459911		Plastic ampoule	conc. 1.000 ppm Matrix: Hydrochloric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Manganese standard solution > RS - Quality control standard solution for AAS (graphite furnace)

RS

Code	Size	Packaging	Notes
504362	50 ml	Glass bottle	conc. 20 ppb - Matrix: 2% Nitric acid



Manganese (II) acetate tetrahydrate

- Manganese acetato oso tetraidrato • Manganèse (II) acétate tetrahydrate
- Manganeso (II) acetato tetraidrato • Mangan (II) acetat Tetrahydtrat

Synonym:
Manganous acetate

$Mn(CH_3COO)_2 \cdot 4H_2O$
Molecular Weight: 245,09
CAS: 6156-78-1



Warning

H315-H319-H361-H335
P261-P271-P280-P304+P340-P305+P351+P338-
P403+P233

Manganese (II) acetate tetrahydrate > RPE - For analysis

RPE

Description Light pink crystals Insoluble matter in water ≤ 0.01 % Fe ≤ 50 ppm
pH sol. 5% 6 - 7 Chloride ≤ 20 ppm Cu ≤ 5 ppm
Assay (complexometry) ≥ 99.0 % Sulfate ≤ 50 ppm Ni ≤ 20 ppm

Code	Size	Packaging	Notes
460005	250 g	Plastic bottle	
460007	1 kg	Plastic bottle	
460001	25 kg	Plastic bucket	



Manganese (II) chloride tetrahydrate

- Manganese cloruro oso tetraidrato • Manganèse (II) chlorure tetrahydrate • Manganeso (II) cloruro tetrahidratado • Mangan (II) chlorid Tetrahydtrat

$MnCl_2 \cdot 4H_2O$
Molecular Weight: 197,91
CAS: 13446-34-9



Warning

H302
P264-P270-P301+P312a-P330-P501a

Manganese (II) chloride tetrahydrate > RPE - For analysis

RPE

Description Pink crystalline powder % Fe ≤ 5 ppm Zn ≤ 10 ppm
Identification Positive Sulphate ≤ 50 ppm Mg ≤ 50 ppm Assay ≥ 99 %
Substances reducing $KMnO_4$ (0) ≤ 0.0005 Ca ≤ 10 ppm Pb ≤ 5 ppm

Code	Size	Packaging	Notes
460158	100 g	Plastic bottle	
460156	500 g	Plastic bottle	
460159	1 kg	Plastic bottle	

Manganese (II) chloride tetrahydrate > RE - Pure

RE

Description Pink crystals Water-insoluble matter ≤ 500 ppm Fe ≤ 50 ppm
Identification Positive Sulphate ≤ 500 ppm Assay (complexometric) ≥ 98 %

Code	Size	Packaging	Notes
351507	1 kg	Plastic bottle	
351508	5 kg	Plastic tank	
351502	25 kg	Plastic bucket	

**Manganese (II) sulfate monohydrate**

• Manganese solfato oso monoidrato • Manganèse (II) sulfate monohydraté • Manganeso (II) sulfato monohidratado • Mangan(II) sulfat Monohydrat

MnSO₄·H₂O
 Molecular Weight: 162,09
 CAS: 10034-96-5
 EEC-N: 232-089-9



Warning
 H373-H411
 P260-P273-P314-P391-P501a

Manganese (II) sulfate monohydrate > RPE - For analysis - ACS**RPE**

Description	Pink powder	Subst. reducing KMnO ₄	Conform	Fe	≤20 ppm	Ni.....	≤200 ppm
Identification	Positive	Chloride.....	≤50 ppm	K.....	≤100 ppm	Zn.....	≤50 ppm
Loss on ignition.....	10.0 ÷ 12.0 %	Heavy metals (Pb).....	≤20 ppm	Mg.....	≤50 ppm	Assay (complexometric)	98.0 ÷ 101.0 %
Water-insoluble matter	≤100 ppm	Ca.....	≤50 ppm	Na.....	≤500 ppm	Mn.....	31.8 - 32.8 %

Code	Size	Packaging	Notes
460305	250 g	Plastic bottle	
460307	1 kg	Plastic bottle	

Manganese (II) sulfate monohydrate > RE - Pure**RE**

Description	Polvere rosata	Water-insoluble matter	≤ 500 ppm	As	≤ 5 ppm	Mn	≥ 31.8 %
Identification	Positive	Pb.....	≤ 15 ppm	Assay (complexometric)	≥ 98 %		

Code	Size	Packaging	Notes
352007	1 kg	Plastic bottle	
352008	5 kg	Plastic tank	
352002	25 kg	Plastic bucket	

**Manganese (IV) oxide**

• Manganese biossido • Manganèse (IV) dioxyde • Manganeso (IV) dióxido • Mangan (IV) dioxid

Synonym:
Manganese dioxide

MnO₂
 Molecular Weight: 86,94
 CAS: 1313-13-9
 EEC-N: 215-202-6



Warning
 H302-H332
 P261-P264-P271-P301+P312a-P304+P340-P501a

Manganese (IV) oxide > RPE - For analysis**RPE**

Description	Black powder	Identification	Positive	Loss on drying 120° C.....	≤1.5 %	Assay (oxidimetric)	≥90.0 %
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Code	Size	Packaging	Notes
460055	250 g	Plastic bottle	
460056	1 kg	Plastic bottle	
460052	25 kg	Plastic bucket	

**D-Mannitol**

• D-Mannitolo • D-Mannitol • D-Manitol • D - Mannit

Synonym:
Mannite

CH₂OH(CHOH)₄CH₂OH
 Molecular Weight: 182,17
 CAS: 69-65-8
 EEC-N: 200-711-8

D-Mannitol > RPE - For analysis**RPE**

Description	White crystal. powder	Power rotat. specif. at 25 ° C (dry) +23.3	Acidity (acetic acid).....	≤50 ppm	Residue on ignition.....	≤100 ppm	
Identification (I.R.).....	Positive	÷ +24.3 °	Water-insoluble matter	≤100 ppm	Red.ing sugars(Glucose)	≤0.1 %	
Melting point.....	165 ÷ 167 ° C	Loss on drying 105°C.....	≤ 0.05 %	Heavy metals (Pb).....	≤5 ppm	Assay (oxidimetric)	98.5 ÷ 101.5 %

Code	Size	Packaging	Notes
460355	250 g	Plastic bottle	
460357	1 kg	Plastic bottle	
460352	5 kg	Plastic tank	
460353	25 kg	Plastic bucket	

D-Mannitol > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-JP

ERBApharm

Description	White crystalline powder	Reducing sugar	≤ 0.1 %	Residue on ignition	≤ 100 ppm	Total impurities (HPLC)	≤ 2.0 %
Appearance of solution	Conform Ph.Eur.	Conductivity	≤ 20 µS.cm-1	Identification (I.R.)	Positive	Loss on drying 105°C	≤ 0.3 %
Acidity	Conform USP-NF	Microbial tests		Identification D	Positive	Specific optical rotation at 20°C (anh.)	+23 ÷ +24 °
Melting point	165 ÷ 167 °C	TAMC	≤ 1000 CFU/g	Related substances			
Heavy metals (Pb)	≤ 5 ppm	TYMC	≤ 100 CFU/g	Impurity A (HPLC)	≤ 2.0 %		
Ni	≤ 1 ppm	Escherichia coli	Absent Ph. Eur.	Impurities B+C (HPLC)	≤ 2.0 %		
Assay (anhydrous) (HPLC)	97.0 ÷ 102.0 %	Salmonella	Absent Ph. Eur.	Other impurities (HPLC)	≤ 0.10 %		

Code	Size	Packaging	Notes
352051	1 kg	Plastic bottle	
352052	5 kg	Plastic tank	
352053	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Mascagnite ▶ Ammonium sulfate



May Grünwald reagent

• May Grünwald reattivo • Réactif de May Grünwald • May Grünwald reattivo • Reagenz von Mai Grünwald

Classification transport

ONU: 1992
Transport Hazard class: 3
Packing group II



Danger

H225-H301-H370
P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235

May Grünwald reagent > RS - For hematology

RS

Description	Blue clear liquid	pH (20% in water)	5.4 ÷ 7.5	E 1% / 1 cm a 552 nm	30 ÷ 40	Functionality	Conform
Identification	Positive	E 1% / 1 cm a 522 nm	130 ÷ 180	E 1% / 1 cm a 650 nm	250 ÷ 350		

Code	Size	Packaging	Notes
460584	100 ml	Plastic bottle	In Vitro Diagnostic Medical Device
E460582	6 x 100 ml	Plastic bottle	In Vitro Diagnostic Medical Device
460586	500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
E460583	6 x 500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
460581	2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device
E460585	4 x 2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device

Dye according to Pappenheim hematology



Mayer's reagent

• Mayer reattivo soluzione in acqua • Réactif de Mayer • Mayer reattivo solución en agua • Reagenz von Mayer

Classification transport

ONU: 2024
Transport Hazard class: 6.1
Packing group II



Danger

H300-H315-H319-H341-H373-H412
P280-P301+P310a-P305+P351+P338-P308+P313-P332+P313-P337+P313

Mayer's reagent > RS - For alkaloids detection

RS

Description	Yellow clear liquid	Identification	Positive
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Code	Size	Packaging	Notes
460502	500 ml	Plastic bottle	

MEK ▶ Ethyl methyl ketone

**Melting point standards**

• Punto di fusione standard • Standards of point de fusion • Patrones de puntos de fusión • Schmelzpunktstandards

CH₃CONHC₆H₅
 Molecular Weight: 135,17
 CAS: 103-84-4
 EEC-N: 203-150-7

**Warning**

H302
 P264-P270-P301+P312a-P330-P501a

Melting point standards > RS - For calibration**RS**

Code	Size	Packaging	Notes
540001	1 g	Bottle	Benzophenone 47 to 49°C
540002	1 g	Bottle	p-Nitrotoluene 52 to 54°C
540003	1 g	Bottle	Vanillin 81 to 83°C
540014	1 g	Bottle	Acetanilide 113 to 116°C
540004	1 g	Bottle	Benzoic Acid 121 to 123°C
540005	1 g	Bottle	Phenacetin 133 to 135°C
540006	1 g	Bottle	Salicylic Acid 158 to 160°C
540007	1 g	Bottle	Sulfanilamide 164 to 166°C
540008	1 g	Bottle	Caffeine 235 to 238°C
540009	1 g	Bottle	Carbazole 243 to 247°C
540010	1 g	Bottle	Anthraquinone 283 to 286°C
540011	3 x 1 g	Bottle	Set Sulphanilamide Caffeine Vanillin
540012	3 x 1 g	Bottle	Set Benzophenone (4749°C) Benzoic Acid (121-123°C) Anthraquinone (283-286°C)
540013	3 x 1 g	Bottle	Set Vanillin (81-83°C) Phenacetin (134-136°C) Caffeine (235-237°C)

**L-Menthol**

• L-Mentolo • L-Menthol • L-Mentol • L-Mentholl

Synonym:

5-Methyl-2-(1-methylethyl)cyclohexanol

C₁₀H₁₉OH
 Molecular Weight: 156,27
 CAS: 2216-51-5
 EEC-N: 218-690-9

**Warning**

H319
 P264-P280i-P305+P351+P338-P337+P313

L-Menthol > ERBApharm - According to pharmacopoeia: USP**ERBApharm**

Description Colourless crystals Specific optical rotation -51 ÷ -45 ° Nonvolatil residue ≤ 0.05 % Total impurities (GC) ≤ 2.0 %
 Identification Positive Melting point 41 ÷ 44 °C Related compounds Conform USP-NF Individual impurities (GC) ≤ 0.3 %

Code	Size	Packaging	Notes
352103	50 g	Glass bottle	
352106	500 g	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**2-Mercaptoethanol**

• 2-Mercaptoetanolo • 2-Mercaptoéthanol • 2-Mercaptoetanol • 2-Mercaptoethanol

Synonym:

• Thioethylene glycol
 • 2-Hydroxyethylmercaptan

HSCH₂CH₂OH
 Molecular Weight: 78,13
 CAS: 60-24-2
 EEC-N: 200-464-6

Classification transport

ONU: 1750
 Transport Hazard class: 6.1
 Packing group II

**Danger**

H301-H310-H314-H411
 P280-P301+P310a-P301+P330+P331-
 P303+P361+P353-P304+P340-P305+P351+P338

2-Mercaptoethanol > RPE - For analysis**RPE**

Description Clear colourless liquid Refractive index at 20° C 1.4990 ÷ 1.5020 Assay (GLC) ≥ 98.5 %
 Identification Positive Water ≤ 0.5 %

Code	Size	Packaging	Notes
460691	10 ml	Glass bottle	



Mercuric bromide paper

• Carta al bromuro mercurico • Papier bromure mercurique • Mercurio bromuro papel • Quecksilberbromidpapier

Classification transport
 ONU: 3082
 Transport Hazard class: 9
 Packing group III



Warning
 H302-H332-H373-H411
 P260-P264-P271-P301+P312a-P304+P340-P501a

Mercuric bromide paper > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611052101	50 pc	Glass bottle	Ref Ph.Eur 1052101

Storage: in a glass-stoppered container wrapped with black paper



Mercury standard solution

• Mercurio standard soluzione • Mercure solution standard • Mercurio, solución patrón • Quecksilber-Standardlösung

Mercury standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615001901	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5001901
615001900	1 l	Plastic bottle	A 1000 ppm solution Ref Ph.Eur 5001900

Mercury standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505652	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid
505655	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrochloric acid
506918	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505654	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Mercury standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503631	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503633	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503635	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503637	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Mercury standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
497555	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
497551	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503640	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507489	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Mercury standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
460741		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package**Mercury standard solution > RS - Quality control standard solution for AAS (graphite furnace)**

RS

Code	Size	Packaging	Notes
504370	100 ml	Plastic bottle	conc. 0.5 ppm - Matrix: 2% Nitric acid

**Mercury (I) chloride**

• di-Mercurio dicloruro • Mercure (I) chlorure • Mercure (I) chlorure • Quecksilber (I) chlorid

Synonym:

- Calomel
- Mercurous chloride

Hg₂Cl₂

Molecular Weight: 472,09

CAS: 10112-91-1

EEC-N: 233-307-5

**Warning**H302-H315-H319-H335-H410
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233**Mercury (I) chloride > RE - Pure**

RE

Description White crystalline powder Residue on ignition ≤ 0.02 % Assay ≥ 99.5 %
Identification Positive Sulphate ≤ 0.01 %

Code	Size	Packaging	Notes
352654	100 g	Glass bottle	
352657	1 kg	Plastic bottle	

**Mercury chloride solution 54 g/l**

• Mercurio cloruro soluzione 54 g/l • Mercure (II) chlorure solution • Mercurio (II) dicloruro solución 54 g/l • Quecksilber (II) chloridlösung

Synonym:

Mercuric chloride

Classification transportONU: 2024
Transport Hazard class: 6.1
Packing group II**Danger**H300-H310-H314-H341-H361f-H372-H410
P280-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338**Mercury chloride solution 54 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1**

RS

Code	Size	Packaging	Notes
611052201	100 ml	Plastic bottle	Ref Ph.Eur 1052201

**Mercury (II) chloride**

• Mercurio dicloruro • Mercure (II) chlorure • Mercurio (II) dicloruro • Quecksilber (II) chlorid

Synonym:

Mercuric chloride

HgCl₂

Molecular Weight: 271,5

CAS: 7487-94-7

EEC-N: 231-299-8

Classification transportONU: 1624
Transport Hazard class: 6.1
Packing group II**Danger**H300-H310-H314-H341-H361f-H372-H410
P280-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338**Mercury (II) chloride > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP**

RPE

Description Pezzi bianchi Residue after reduction ≤200 ppm Appearance of solution Conform Loss on drying ≤1.0 %
Identification Positive Fe ≤20 ppm Acidity or alkalinity Conform
Solution in ethyl ether Conform Assay (complexometric) 99.5 ÷ 100.5 % s.s. Mercurous chloride Conform

Code	Size	Packaging	Notes
461003	50 g	Glass bottle	

Mercury (II) iodide
 • Mercurio ioduro ico • Mercure (II) iodure • Mercurio (II) yoduro • Quecksilber (II) iodid
 Synonym: *Mercuric iodide red*

HgI ₂ Molecular Weight: 454,45 CAS: 7774-29-0 EEC-N: 231-873-8	Classification transport ONU: 1638 Transport Hazard class: 6.1 Packing group II	 Danger H300-H310-H330-H373-H410 P271-P284-P301+P310a-P304+P340-P361+P364-P403+P233
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Mercury (II) iodide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

DescriptionRed - brick powder	Solub. in KI solution Conform	Mercurous compounds ≤0.1 %
Identification Positive	Soluble mercury salts ≤500 ppm	Assay (oxidimetric) ≥99.0 % s.s.

Code	Size	Packaging	Notes
461105	250 g	Glass bottle	

Mercury (II) oxide red
 • Mercurio ossido rosso • Mercure (II) oxyde rouge • Mercurio (II) óxido rojo • Quecksilber (II) rotes Oxid
 Synonym: *Mercuric oxide*

HgO Molecular Weight: 216,61 CAS: 21908-53-2 EEC-N: 244-654-7	Classification transport ONU: 1641 Transport Hazard class: 6.1 Packing group II	 Danger H300-H310-H330-H373-H410 P271-P284-P301+P310a-P304+P340-P361+P364-P403+P233
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Mercury (II) oxide red > RPE - For analysis - ACS

RPE

DescriptionRed powder	Chloride ≤ 250 ppm	Residue after reduction ≤ 0.025 %
Identification Positive	Sulphate ≤ 150 ppm	Fe ≤50 ppm
Diluted HCl-ins. matter ≤ 0.03 %	Nitrogen compounds (N) ≤ 50 ppm	Assay (complexometric) ≥ 99.0 %

Code	Size	Packaging	Notes
461325	250 g	Glass bottle	

Mercury (II) sulfate
 • Mercurio solfato ico • Mercure (II) sulfate • Mercurio (II) sulfato • Quecksilber (II) sulfat
 Synonym: *Mercuric sulfate*

HgSO ₄ Molecular Weight: 296,65 CAS: 7783-35-9 EEC-N: 231-992-5	Classification transport ONU: 1645 Transport Hazard class: 6.1 Packing group II	 Danger H300-H310-H330-H373-H410 P271-P284-P301+P310a-P304+P340-P361+P364-P403+P233
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Mercury (II) sulfate > RPE - For analysis - ACS

RPE

DescriptionWhite powder or yellow	Chloride ≤30 ppm	Mercurous compounds ≤0.15 %	Fe ≤50 ppm
Identification Positive	Residue on ignition ≤200 ppm	Nitrate Conform	Assay (oxidimetric) ≥98.0 %

Code	Size	Packaging	Notes
461405	250 g	Plastic bottle	

Mercury (II) sulfate solution
 • Mercurio solfato soluzione • Mercure (II) sulfate solution • Mercurio (II) sulfato solución
 • Quecksilber (II) sulfatlösung
 Synonym: *Mercuric sulfate*

Classification transport ONU: 2922 Transport Hazard class: 8 Packing group II	 Danger H290-H302-H331-H314-H373-H411 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233
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Mercury (II) sulfate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611052600	100 ml	Glass bottle	Ref Ph.Eur 1052600



Metanil yellow

• Giallo metanile • Jaune de méthanyle • Amarillo de metanilo • Metanilgelb

Synonym:

- 3-(4-Anilinophenylazo)benzenesulfonic acid sodium salt
- Acid yellow 36

$C_{18}H_{14}N_3NaO_3S$
Molecular Weight: 375,38
CAS: 587-98-4
EEC-N: 209-608-2



Warning

H312-H332
P261-P271-P280h-P304+P340-P312a-P501a

Metanil yellow > RPE - For analysis - C.I. 13065

RPE

Description Golden to orange powder Identification Positive pH range 1.2 - 2.3 Colour change red-yellow

Code	Size	Packaging	Notes
453542	25 g	Glass bottle	



Metaphosphoric acid

• Acido metafosforico • Acide métaphosphorique • Acido metafosfórico • Metaphosphorsäure

Synonym:

meta-Phosphoric acid

HPO_3
Molecular Weight: 79,98
CAS: 37267-86-0

Classification transport

ONU: 3261
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Metaphosphoric acid > RPE - For analysis

RPE

Description Whitish semitransparent pieces Heavy metals (Pb) ≤ 50 ppm As ≤ 2 ppm Stabilizer(NaPO3) 50 ÷ 60 %
Identification Positive Nitrate ≤ 10 ppm Fe ≤ 100 ppm
Chloride ≤ 20 ppm Subst. reducing KMnO4 ≤ 100 ppm (5m) Assay (acidimetric) 40 ÷ 50 %

Code	Size	Packaging	Notes
407465	250 g	Plastic bottle	
407467	1 kg	Plastic bottle	



Methanesulfonic acid

• Acido metansolfonico • Acide méthanesulfonique • Acido metanosulfónico • Methansulfonsäure

CH_3SO_3H
Molecular Weight: 96,11
CAS: 75-75-2
EEC-N: 200-898-6

Classification transport

ONU: 2586
Transport Hazard class: 8
Packing group III



Danger

H302-H312-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364

Methanesulfonic acid > RE - Pure

RE

Description Colourless to yellow liquid Identification Positive Density at 20° C 1.47 ÷ 1.48 Assay (acidimetric) ≥ 99 %

Code	Size	Packaging	Notes
407481	250 ml	Glass bottle	
407483	1 l	Glass bottle	



Methanol

• Metanolo • Méthanol • Metanol • Methanol

Synonym:
Methyl alcohol

CH₃OH
Molecular Weight: 32,04
CAS: 67-56-1
EEC-N: 200-659-6

Classification transport
ONU: 1230
Transport Hazard class: 3
Packing group II



Danger
H225-H301-H311-H331-H370
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Methanol > RS - For UHPLC-MS

RS

Description Clear colourless liquid	Water (K.F.) ≤ 200 ppm	At 365 nm ≤ 1 ppb	Al ≤ 20 ppb
Colour ≤ 5 APHA	Transmittance	UHPLC gradient peak	Fe ≤ 20 ppb
Identification (I.R.) Positive	At 210 nm ≥ 40 %	At 220 nm ≤ 4 mAU	Na ≤ 50 ppb
Refractive index at 20°C 1.3270 ÷ 1.3300	At 225 nm ≥ 70 %	At 235 nm ≤ 2 mAU	Ca ≤ 50 ppb
Residue on evaporation ≤ 1 ppm	At 230 nm ≥ 80 %	Drift at 220 nm ≤ 30 mAU	Mg ≤ 20 ppb
Acidity ≤ 0.0003 meq/g	At 260 nm ≥ 98 %	Drift at 235 nm ≤ 10 mAU	K ≤ 50 ppb
Alkalinity ≤ 0.00006 meq/g	Fluorescence (quinine)	Sensitive Impurities (reserpine) ≤ 30 ppb	
Assay (CPG) ≥ 99.99 %	At 254 nm ≤ 1 ppb	Metals compounds	

Code	Size	Packaging	Notes
414941	1 l	Glass bottle	
414942	2.5 l	Glass bottle	

Methanol > RS - For LC/MS

RS

Description Clear colourless liquid	Alkalinity ≤ 0.00006 meq/g	≥ 260 nm ≥ 98 %	Metals compounds
Colour ≤ 10 APHA	Assay (GLC) ≥ 99.95 %	Fluorescence (quinine)	Al ≤ 50 ppb
Identification (I.R.) Conform	Transmission UV (1cm, ref water)	At 254 nm ≤ 1 ppb	Fe ≤ 50 ppb
Refractive index at 20°C 1.327 ÷ 1.331	At 210 nm ≥ 30 %	At 365 nm ≤ 1 ppb	Na ≤ 50 ppb
Water (K.F.) ≤ 200 ppm	At 225 nm ≥ 65 %	HPLC gradient	Ca ≤ 50 ppb
Residue on evaporation ≤ 2 ppm	At 235 nm ≥ 85 %	Test LC-MS TIC (50-2000m/z) ESI (+)	Mg ≤ 50 ppb
Acidity ≤ 0.0003 meq/g	At 250 nm ≥ 95 %	Sensitive Impurities (reserpine) ≤ 50 ppb	K ≤ 50 ppb

Code	Size	Packaging	Notes
414831	1 l	Glass bottle	
414832	2.5 l	Glass bottle	

Methanol > RS - For HPLC - GOLD - Ultragradient grade

RS

Description Clear liquid	Residue on evaporation ≤ 5 ppm	Assay (GLC) ≥ 99.9 %	at 225 nm ≥ 65 %
Identification Positive	Carbonyl compounds (CH ₃ COCH ₃) ... ≤ 20 ppm	Fluorescence	at 235 nm ≥ 85 %
Colour (APHA) ≤ 10	Substances reducing KMnO ₄ (O) ... ≤ 2 ppm	at 254 nm ≤ 1 ppb	at 240 nm ≥ 90 %
Density at 20°C 0.7910 ÷ 0.7930	Acidity ≤ 0.0003 meq/g	at 365 nm ≤ 1 ppb	at 250 nm ≥ 95 %
Refractive index at 20°C 1.3270 ÷ 1.3300	Alcalinity ≤ 0.00006 meq/g	Transmittance	at 260 nm ≥ 98 %
Distillation range 64.1 ÷ 65.1 °C	Ethanol ≤ 50 ppm	at 210 nm ≥ 30 %	Functionality for HPLC
Water (K.F.) ≤ 0.02 %		at 220 nm ≥ 55 %	HPLC Gradient Passed test

Code	Size	Packaging	Notes
412721	1 l	Glass bottle	
412722	2.5 l	Glass bottle	
412724	4 l	Glass bottle	
412725	5 l	Aluminium can	

Methanol > RS - For HPLC PLUS Gradient grade

RS

Description Clear colourless liquid	Residue on evaporation ≤ 5 ppm	at 365 nm ≤ 1 ppb	Carbonyl compounds (CO) ≤ 20 ppm
Identification Positive	Acidity ≤ 0.0005 meq/g	U.V. Transmittance	Ethyl alcohol ≤ 200 ppm
Density at 20° C 0.7917 ÷ 0.7921	Alcalinity ≤ 0.0002 meq/g	at 210 nm ≥ 30 %	HPLC Gradient
Refractive index at 20°C 1.3278 ÷ 1.3298	Assay (GLC) ≥ 99.9 %	at 220 nm ≥ 50 %	
Boiling point 64.1 ÷ 65.1 °C	Fluorescence	at 235 nm ≥ 80 %	
Water (K.F.) ≤ 0.02 %	at 254 nm ≤ 1 ppb	at 260 nm ≥ 98 %	

Code	Size	Packaging	Notes
412381	1 l	Glass bottle	
412383	2.5 l	Glass bottle	

Methanol > RS - For HPLC Isocratic grade - ACS - Reag.Ph.Eur R2 - Reag.USP

RS

Description	Clear colourless liquid	Water (K.F)	≤ 0.05 %	Carbonyl compounds (CO).....	≤ 0.001 %	at 235 nm	≥ 80 %
Identification	Positive	Acidity	≤ 0.0005 meq/g	Absorbance ACS	Conform	at 260 nm	≥ 98 %
Density at 20° C	0.791 ÷ 0.793	Alcalinity	≤ 0.0002 meq/g	HPLC Gradient (ACS)	Conform	Absorbance	
Refractive index at 20°C	1.3278 ÷ 1.3298	Substances darkened by H2SO4 ...	Conform	Assay (GLC)	≥ 99.9 %	At 225 nm	≤ 0.17 AU
Boiling point	64 ÷ 65 °C	Subs. reducing KMnO4	Conform	U.V. Transmittance			
Residue on evaporation	≤ 5 ppm	Solubility in water	Conform	at 210 nm	≥ 20 %		

Code	Size	Packaging	Notes
412531	1 l	Glass bottle PVC coated	
412533	1 l	Glass bottle	
412532	2.5 l	Glass bottle	
412535	2.5 l	Glass bottle PVC coated	

Methanol > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Free alkali (as NH3)	≤ 1 mg/Kg	Residue on evaporation	≤ 10 ppm	Transmittance UV at 210 nm.....	≥ 20 %
Density at 20°C	0.791 ÷ 0.793	Assay GLC	≥ 99.9 %	Water (KF).....	≤ 500 ppm	Transmittance UV at 235 nm.....	≥ 80 %
Refractive index at 20°C	1.3278 ÷ 1.3298	Free acid (as HCOOH)	≤ 10 mg/Kg	UV transmittance at 210 nm	≥ 20 %	Transmittance UV at 260 nm.....	≥ 98 %
Boiling point	63.6 ÷ 65.6 °C	Acidity (Formic Ac).....	≤ 20 ppm	Transmittance UV			

Code	Size	Packaging	Notes
525101	1 l	Glass bottle	
525102	2.5 l	Glass bottle	

Methanol > RS - For GC-MS

RS

Appearance	Clear colourless liquid	Residue on evaporation	≤ 2 ppm	Alcalinity (NH3).....	≤ 1 ppm	µg/L
Refractive index at 20°C.....	1.327 - 1.331	Colour	≤ 5 APHA	Assay (GC)	≥ 99.98 %	Ret.range n-undecane to n-tetracontane
Water (K.F)	≤ 300 ppm	Acidity (formic acid)	≤ 10 ppm	GC-MS.Individual peak (n-hexadecane) .	≤ 2	(scanning area 30-600amu)

Code	Size	Packaging	Notes
414952	1 l	Glass bottle	

Methanol > RS - ATRASOL - For trace analysis, Suitable for Volatile chlorinated compounds analysis

RS

Appearance	Clear colourless liquid	Non volatile residue	≤ 2 mg/Kg	GC-ECD.Individual peak (CCl4)	≤ 1 µg/l	Ret.range 1,2,4-trichlorobenzene
Refractive index at 20°C.....	1.327 - 1.331	Assay (GC)	≥ 99.98 %	Ret.range dichloromethane		to decachlorobiphenyle
Water content (K.F)	≤ 300 mg/Kg	Free alkali (as NH3)	≤ 1 mg/Kg	to 1,2,4-trichlorobenzene		GC-FID.Individual peak (n-hexadecane) .
Colour	≤ 5 Hazen	Free acid (as HCOOH)	≤ 10 mg/Kg	GC-ECD.Individual peak (Lindane) .	≤ 2 ng/L	µg/L
						Ret.range n-undecane to n-tetracontane

Code	Size	Packaging	Notes
P0933216	1 l	Glass bottle	
P0933221	2.5 l	Glass bottle	

Methanol > RS - PESTIPUR - For pesticide analysis

RS

Description	Clear colourless liquid	Assay (GC)	≥ 99.9 %	Not volatile residue	≤ 5 ppm
Identification	Positive	Free acids (HCOOH)	≤ 10 ppm	GC-ECD (Lindano)	≤ 3 ng/l
Colour	≤ 10 hazen	Non volatile residue	≤ 5 mg/Kg	GC-NPD (Ethylparation)	≤ 3 ng/l
Water	≤ 0.05 %	Free alkalies (NH3)	≤ 1 ppm	Assay (GLC)	≥ 99.9 %

Code	Size	Packaging	Notes
414930	1 l	Glass bottle	
414932	2.5 l	Glass bottle	

Methanol > RS - SPECTROSOL - For optical spectroscopy

RS

Description	Clear liquid	Residue on evaporation	≤5 ppm	at 365 nm	≤2 ppb	at 240 nm	≥90 %
Colour (APHA)	≤10	Acidity	≤0.0005 meq/g	U.V. Transmittance		at 260 nm	≥98 %
Identification	Positive	Alcalinity	≤0.0002 meq/g	Ethanol	≤ 200 mg/Kg	Nessler test	Conform
Density at 20° C	0.791 ÷ 0.793	Free alkali (as NH ₃)	≤ 1 mg/Kg	at 205 nm	≥10 %	Ethyl alcohol	≤ 200 ppm
Refractive index at 20°C	1.3280 ÷ 1.3296	Assay (GLC)	≥99.9 %	Density d ₂₀ /20	0.791 - 0.793	Carbonyl compounds (CO)	≤ 20 ppm
Boiling point	64.1 ÷ 65.1 ° C	Fluorescence		at 220 nm	≥50 %		
Water (K.F.)	≤300 ppm	at 254 nm	≤2 ppb	at 230 nm	≥75 %		

Code	Size	Packaging	Notes
414902	1 l	Glass bottle	
414903	2.5 l	Glass bottle	

Methanol > RS - Anhydrous - For analysis

RS

Description	Clear liquid	Colour (APHA)	≤ 10	Acidity	≤ 0.002 %	Residue on evaporation	≤ 0.001 %
Identification (I.R.)	Positive	Refractive index at 20°C	1.327 - 1.331	Water (K.F.)	≤ 0.005 %	Assay (GLC)	≥ 99.9 %

Code	Size	Packaging	Notes
P0931010	200 ml	Bottle with septum	
414981	1 l	Glass bottle	Water content max 50 ppm
P0931016	1 l	Glass bottle	
P0931021	2.5 l	Glass bottle	

Methanol > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527641	1 l	Plastic bottle	
527640	2.5 l	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis

Methanol > RS - RSE - For electronic use

RS

Description	Clear liquid	Chloride	≤0.2 ppm	Ca	≤0.5 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Carbonyl Compounds (CO)	≤5 ppm	Cd	≤0.005 ppm	Pb	≤0.01 ppm
Identification	Positive	Phosphate	≤0.5 ppm	Co	≤0.01 ppm	Pt	≤0.05 ppm
Water miscibility	Conform	Heavy metals (Pb)	≤0.2 ppm	Cr	≤0.01 ppm	Sb	≤0.01 ppm
Ready carbonizable substances	Conform	Subst. reducing KMnO ₄	≤2.5 ppm	Cu	≤0.01 ppm	Sn	≤0.02 ppm
Assay (GLC)	≥99.9 %	Total sulphur	≤1 ppm	Fe	≤0.1 ppm	Sr	≤0.02 ppm
Resistivity	≥0.5 Mohm.cm	Ag	≤0.2 ppm	Ga	≤0.02 ppm	Ti	≤0.05 ppm
Density at 20° C	0.791 ÷ 0.793	Al	≤0.05 ppm	In	≤0.02 ppm	Tl	≤0.05 ppm
Boiling point	64.1 ÷ 65.1 ° C	As	≤0.01 ppm	K	≤0.1 ppm	V	≤0.05 ppm
Water (K.F.)	≤500 ppm	Au	≤0.05 ppm	Li	≤0.02 ppm	Zn	≤0.01 ppm
Residue on evaporation	≤10 ppm	B	≤0.01 ppm	Mg	≤0.1 ppm	Zr	≤0.05 ppm
Acidity (formic acid)	≤15 ppm	Ba	≤0.1 ppm	Mn	≤0.01 ppm		
Alcalinity (NH ₃)	≤1 ppm	Be	≤0.02 ppm	Mo	≤0.05 ppm		
Ethyl alcohol	≤200 ppm	Bi	≤0.02 ppm	Na	≤0.5 ppm		

Code	Size	Packaging	Notes
414917	1 l	Glass bottle	
414914	2.5 l	Glass bottle	

Methanol > RS - MOS - For electronic use

RS

Description	Clear liquid	Chloride	≤0.2 ppm	Ca	≤0.5 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Carbonyl Compounds (CO)	≤5 ppm	Cd	≤0.005 ppm	Pb	≤0.01 ppm
Identification	Positive	Phosphate	≤0.5 ppm	Co	≤0.01 ppm	Pt	≤0.05 ppm
Water miscibility	Conform	Heavy metals (Pb)	≤0.2 ppm	Cr	≤0.01 ppm	Sb	≤0.01 ppm
Ready carbonizable substances	Conform	Subst. reducing KMnO4	≤2.5 ppm	Cu	≤0.01 ppm	Sn	≤0.02 ppm
Assay (GLC)	≥99.9 %	Total sulphur	≤1 ppm	Fe	≤0.1 ppm	Sr	≤0.02 ppm
Resistivity	≥0.5 Mohm.cm	Ag	≤0.2 ppm	Ga	≤0.02 ppm	Ti	≤0.05 ppm
Density at 20° C	0.791 ÷ 0.793	Al	≤0.05 ppm	In	≤0.02 ppm	Tl	≤0.05 ppm
Boiling point	64.1 ÷ 65.1 ° C	As	≤0.01 ppm	K	≤0.1 ppm	V	≤0.05 ppm
Water (K.F.)	≤0.05 %	Au	≤0.05 ppm	Li	≤0.02 ppm	Zn	≤0.01 ppm
Residue on evaporation	≤10 ppm	B	≤0.01 ppm	Mg	≤0.1 ppm	Zr	≤0.05 ppm
Acidity (formic acid)	≤15 ppm	Ba	≤0.1 ppm	Mn	≤0.01 ppm		
Alcalinity (NH3)	≤1 ppm	Be	≤0.02 ppm	Mo	≤0.05 ppm		
Ethyl alcohol	≤200 ppm	Bi	≤0.02 ppm	Na	≤0.5 ppm		

Code	Size	Packaging	Notes
414822	1 l	Glass bottle	
414821	2.5 l	Glass bottle	

Methanol > RS - For titration according to Karl Fischer

RS

Description	Clear colourless liquid	Density at 20° C	0.791 ÷ 0.793	Assay (GLC)	≥99.9 %
Identification	Positive	Water (K.F.)	≤0.03 %		

Code	Size	Packaging	Notes
414881	1 l	Glass bottle	
414883	2.5 l	Glass bottle	

Methanol > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear liquid	Residue on evaporation	≤ 8 ppm	B	≤0.02 ppm	Mn	≤0.01 ppm
Colour (APHA)	≤10	Acidity	≤ 0.0003 meq/g	Ba	≤0.1 ppm	Ni	≤0.01 ppm
Identification (I.R.)	Conform	Alkalinity	≤ 0.00006 meq/g	Ca	≤0.5 ppm	Pb	≤0.01 ppm
Water miscib. (15:40)	Complete	Ethyl alcohol	≤ 50 ppm	Cd	≤0.05 ppm	Sn	≤0.1 ppm
Ready carbonizable substances	Conform	Chloride	≤0.5 ppm	Co	≤0.01 ppm	Zn	≤0.1 ppm
Density at 20° C	0.791 ÷ 0.793	Carbonyl Compounds (CO)	≤10 ppm	Cr	≤0.02 ppm	Assay (GLC)	≥99.9 %
Refractive index at 20°C. 1.3280 ÷ 1.3296		Heavy metals (Pb)	≤0.5 ppm	Cu	≤0.01 ppm	Nessler test	Conform
Boiling point	64 ÷ 65 ° C	Subst. reducing KMnO4	≤2 ppm	Fe	≤0.1 ppm		
Water (K.F.)	≤300 ppm	Al	≤0.5 ppm	Mg	≤0.1 ppm		

Code	Size	Packaging	Notes
414814	1 l	Glass bottle	
414819	1 l	Plastic bottle	
414815	2.5 l	Plastic bottle	
414816	2.5 l	Glass bottle	
524102	5 l	Plastic tank	
524103	5 l	Metal tank	
414818	10 l	Plastic tank	
414813	25 l	Plastic tank	
414817	200 l	Plastic drum	

Methanol > RPE - Anhydrous - For analysis

RPE

Description	Clear liquid	Density at 20° C	0.791 ÷ 0.793	Acidity (formic acid)	≤15 ppm	Subst. reducing KMnO4	≤3 ppm
Colour (APHA)	≤10	Refractive index at 20°C. 1.3280 ÷ 1.3297		Alcalinity (NH3)	≤1 ppm	Cu	≤0.01 ppm
Identification	Positive	Boiling point	64.1 ÷ 65.1 ° C	Ethyl alcohol	≤200 ppm	Ni	≤0.01 ppm
Water miscib. (15:40)	Complete	Water (K.F.)	≤0.01 %	Carbonyl Compounds (CO)	≤5 ppm	Assay (GLC)	≥99.9 %
Ready carbonizable substances	Conform	Residue on evaporation	≤10 ppm	Heavy metals (Pb)	≤0.5 ppm	Nessler test	Conform

Code	Size	Packaging	Notes
414854	1 l	Glass bottle	
414855	2.5 l	Glass bottle	

Methanol > ERBApharm - According to pharmacopoeia: DAB-NF-Ph.Eur.

ERBApharm

Description	Clear colourless liquid	Distillation range	64 ÷ 65 ° C	Ethyl alcohol	≤ 100 ppm	Benzene	≤ 2 ppm(v/v)
Colour	≤ 10 APHA	Water (K.F.)	≤ 300 ppm	Heavy metals and Zn	≤ 2 ppm	Organic volatile impurities	Conform USP-NF
Identification	Positive	Residue on evaporation	≤ 10 ppm	Fe	≤ 1 ppm	Related substances (CPG)	Pass test
Density at 20° C	0.791 ÷ 0.793	Ready oxidizable substances	Conform USP-NF	Absorbance UV (1cm, ref. water)		Assay (GLC)	≥ 99.9 %
Refractive index at 20°C	1.328 ÷ 1.330	Ready carbonizable substances	Conform USP-NF	At 230 nm	≤ 0.15 AU	Origin (BSE/TSE)	Synthesis
Acidity	Conform DAB	Acetone	≤ 10 ppm	At 250 nm	≤ 0.05 AU	Residual solvents (Current ICH)	Conform
Acidity or alkalinity	Pass test Ph.Eur.	Acetone and aldehydes	≤ 20 ppm	At 270 nm	≤ 0.02 AU		
Acidity (formic acid)	≤ 10 ppm			At 290 nm	≤ 0.01 AU		
Alcalinity (NH3)	≤ 1 ppm			Absorbance UV curve	Smooth Ph.Eur.		

Code	Size	Packaging	Notes
309204	1 l	Glass bottle	
309203	2.5 l	Glass bottle	
309201	25 l	Plastic tank	
529100	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Methanol > RE - Pure

RE

Description	Clear colourless liquid	Density at 20° C	0.791 ÷ 0.793	Residue on evaporation	≤ 50 ppm	Subst. reducing KMnO4	≤ 3 ppm
Identification	Positive	Refractive index at 20°C	1.3278 ÷ 1.3298	Acidity (formic acid)	≤ 20 ppm	Assay (GLC)	≥ 99.9 %
Colour	≤ 10 APHA	Boiling point	64.1 ÷ 65.1 ° C	Water (K.F.)	≤ 0.05 %		

Code	Size	Packaging	Notes
309004	1 l	Glass bottle	
309001	2.5 l	Glass bottle	
528101	5 l	Plastic tank	
309008	10 l	Plastic tank	
309002	25 l	Plastic tank	
309009	160 kg	Plastic drum	
309000	200 l	Plastic drum	



Methanol + 0.1% v/v formic acid

• Metanolo + 0.1% v/v acido formico • Méthanol + 0.1% v/v acide formique • Metanol + 0.1% v/v acido formico • Methanol + 0.1% v/v Ameisensäure

CH₃OH
Molecular Weight: 32,04
CAS: 67-56-1

Classification transport
ONU: 1992
Transport Hazard class: 3
Packing group II



Danger
H225-H301-H370
P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235

Methanol + 0.1% v/v formic acid > RS - For LC/MS

RS

Description	Clear colourless liquid	Transmittance		Sensitive Impurities (reserpine)	≤ 100 ppb	Mg	≤ 0.5 ppm
Colour	≤ 10 APHA	At 230 nm	≥ 10 %	Metals content		K	≤ 0.5 ppm
HPLC Gradient		Assay (CPG)	≥ 99.5 %	Na	≤ 2 ppm	Raw material used	
At 254 nm	≤ 10 mAU	Test LC-MS TIC (100-2000m/z)		Ca	≤ 0.5 ppm		

Code	Size	Packaging	Notes
414861	1 l	Glass bottle	
414862	2.5 l	Glass bottle	



Methanol + 0.1% v/v trifluoroacetic acid

- Metanolo + 0.1% v/v acido trifluoroacetico • Méthanol + 0.1% v/v acide trifluoroacétique • Metanol + 0.1% v/v acido trifluoroacético
- Methanol + 0.1% v/v trifluoressigsäure

CH₃OH
Molecular Weight: 32,04
CAS: 67-56-1

Classification transport
ONU: 1230
Transport Hazard class: 3
Packing group II



Danger
H225-H301-H370
P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235

Methanol + 0.1% v/v trifluoroacetic acid > RS - For LC/MS

RS

Description	Clear colourless liquid	At 225 nm	≥ 20 %	At 365 nm	≤ 1 ppb	Al	≤ 30 ppb
Assay (GC) (without TFA)	≥ 99.9 %	At 240 nm	≥ 50 %	HPLC gradient		Fe	≤ 100 ppb
Trifluoroacetic acid content (V/V)	0.095 - 0.105 %	At 250 nm	≥ 80 %	Drift at 254 nm	≤ 40 mAU	Na	≤ 50 ppb
Water (K.F)	≤ 500 ppm	At 260 nm	≥ 95 %	Test LC-MS TIC (50-2000m/z) ES I(+)		Ca	≤ 50 ppb
Residue on evaporation	≤ 2 ppm	Fluorescence (quinine)		Sensitive Impurities (reserpine)	≤ 50 ppb	Mg	≤ 30 ppb
UV transmittance (1 cm, ref. water)		At 254 nm	≤ 1 ppb	Metals compounds		K	≤ 50 ppb

Code	Size	Packaging	Notes
414871	1 l	Glass bottle	
414872	2.5 l	Glass bottle	



Methanol, hydrochloric

- Metanolo, cloridrico • Méthanol - chlorhydrique • Metanol, clorhídrico • Methanol - Salzsäure

CH₃OH
Molecular Weight: 32,04
CAS: 67-56-1

Classification transport
ONU: 2929

Methanol, hydrochloric > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611053203	100 ml	Glass bottle	Ref Ph.Eur 1053203



Methanol-d4

- Alcole metilico-d4 • Méthanol-d4 • Metanol-d4 • Methanol-d4

Synonym:
Tetrauteromethanol

CD₃OD
Molecular Weight: 36,07
CAS: 811-98-3
EEC-N: 212-378-6

Classification transport
ONU: 1230
Transport Hazard class: 3
Packing group II



Danger
H225-H301-H311-H331-H370
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Methanol-d4 > RS - For NMR - min 99.96%

RS

Code	Size	Packaging	Notes
P5310	10 x 0.6 ml	Glass ampoule	
P5319	10 x 0.75 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Methanol-d4 > RS - For NMR - min 99.8%

RS

Code	Size	Packaging	Notes
P5280	10 x 0.6 ml	Glass ampoule	
P5289	10 x 0.75 ml	Glass ampoule	
P5283A	5 ml	Glass ampoule	
P5284	5 x 10 ml	Glass ampoule	
P5284S	5 x 10 ml	Bottle with septum	
P5285	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

Methanol-d4 + 0.03% TMS
 • Alcole metilico-d4 + 0.03% TMS • Méthanol-d4 + 0.03% TMS • Metanol-d4 + 0.03% TMS
 • Methanol-d4 + 0.03% TMS

Synonym:
Tetradeuteromethanol

CD₃OD
 Molecular Weight: 36,07
 CAS: 811-98-3
 EEC-N: 212-378-6

Classification transport
 ONU: 1230
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H301-H311-H331-H370
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Methanol-d4 + 0.03% TMS > RS - For NMR - min 99.8%

RS

Code	Size	Packaging	Notes
P5140	10 x 0.6 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Methanol-d3
 • Alcole metilico-d3 • Méthanol-d3 • Metanol-d3 • Methanol-d3

Synonym:
1,1,1-Trideuteromethanol

CD₃OH
 Molecular Weight: 35,02
 CAS: 1849-29-2
 EEC-N: 217-435-9

Classification transport
 ONU: 1230
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H301-H311-H331-H370
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Methanol-d3 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5309	10 x 0.75 ml	Glass ampoule	

For specifications, contact our customer service for a certificate of analysis

Methanol-d1
 • Alcole metilico-d1 • Méthanol-d1 • Metanol-d1 • Methanol-d1

Synonym:
• Methan(ol-d)
• Methyl alcohol-OD

CH₃OD
 Molecular Weight: 33,05
 CAS: 1455-13-6
 EEC-N: 215-933-0

Classification transport
 ONU: 1230
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H301-H311-H331-H370
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Methanol-d1 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5275	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

2-MeTHF ▶ 2-Methyltetrahydrofuran

DL-Methionine
 • DL-Metionina • DL-Méthionine • DL-Metionina • DL-Methionin

Synonym:
• (±)-2-Amino-4-(methylmercapto)butyric acid
• DL-2-Amino-4(methylthio)butanoic acid

CH₃S(CH₂)₂CHNH₂COOH
 Molecular Weight: 149,21
 CAS: 59-51-8
 EEC-N: 200-432-1

DL-Methionine > RPE - For analysis

RPE

Description	White crystalline powder	Loss on drying	≤ 0.5 %	Heavy metals (Pb).....	≤10 ppm	Assay (non-aqueous medium) .99.0 ÷ 101.0
Identification	Positive	Ammonium	≤1000 ppm	Residue on ignition	≤0.1 %	% (s.s.)
pH (sol 2% in H ₂ O).....	5.4 - 6.1	Chloride.....	≤200 ppm	Sulphate.....	≤200 ppm	

Code	Size	Packaging	Notes
463126	250 g	Plastic bottle	

Methone ▶ Dimedone

4-Methoxybenzaldehyde ▶ Anisaldehyde

4-Methoxybenzoic acid ▶ Anisic acid



2-Methoxy ethanol

• 2-Metossietanolo • Glycol éthylénique monométhylether • 2-Metoxietanol • 2-Methoxy-ethanol

Synonym:
Methyl glycol

CH₂OHCH₂OCH₃
Molecular Weight: 76,1
CAS: 109-86-4
EEC-N: 203-713-7

Classification transport
ONU: 1188
Transport Hazard class: 3
Packing group III



Danger
H226-H302-H312-H332-H360FD-HA26
P210-P241-P261-P280-P303+P361+P353-
P304+P340

2-Methoxy ethanol > RPE - For analysis

RPE

Description Clear colourless liquid	Water (K.F) ≤0.1 %	Ca ≤0.5 ppm	Ni ≤0.02 ppm
Identification (I.R.) Conform	Residue on evaporation ≤20 ppm	Cd ≤0.05 ppm	Pb ≤0.1 ppm
Water miscibility Conform	Acidity (acetic acid) ≤50 ppm	Co ≤0.02 ppm	Sn ≤0.1 ppm
Benzene miscibility Complete	Alcalinity (NH ₃) ≤0.85 ppm	Cr ≤0.02 ppm	Zn ≤0.1 ppm
Diethyl ether miscib. Complete	Heavy metals (Pb) ≤2 ppm	Cu ≤0.02 ppm	Assay (GLC) ≥99.5 %
Density at 20° C 0.962 ÷ 0.968	Peroxides (H ₂ O ₂) ≤10 ppm	Fe ≤1 ppm	
Refractive index at 20°C. 1.4004 ÷ 1.4044	Al ≤0.5 ppm	Mg ≤0.01 ppm	
Boiling point 123.5 ÷ 124.5 ° C	Ba ≤0.1 ppm	Mn ≤0.02 ppm	

Code	Size	Packaging	Notes
454021	1 l	Glass bottle	
454024	2.5 l	Glass bottle	
454023	25 kg	Metal drum	
454028	180 kg	Metal drum	



alpha-Methoxyphenylacetic acid

• Acido alfa-metossifenilacetico • Acide alpha-méthoxyphénylacétique • Acido alfa-metoxifenilacetico
• alpha-Methoxy(phenyl)essigsäure

Synonym:
• MOPA
• alpha-Methyl-DL-mandilic acid

C₈H₈CH(OCH₃)COOH
Molecular Weight: 166,18
CAS: 7021-09-2
EEC-N: 230-300-9



Warning
H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

alpha-Methoxyphenylacetic acid > RPE - For analysis

RPE

Description White powder	Identification Positive	Melting point 69 ÷ 71 ° C	Assay ≥99 %
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Code	Size	Packaging	Notes
407441	5 g	Glass bottle	



Methyl acetate

• Metile acetato • Méthyle acétate • Metilo acetato • Methylacetat

CH₃COOCH₃
Molecular Weight: 74,08
CAS: 79-20-9
EEC-N: 201-185-2

Classification transport
ONU: 1231
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H336-HEU066
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

Methyl acetate > RS - For HPLC - Isocratic Grade

RS

Refractive index at 20°C 1.359 - 1.363	Colour ≤ 10 Hazen	UV Absorbance at 255 nm ≤ 1 AU
Water content (K.F) ≤ 500 mg/Kg	Assay (GC) ≥ 99.5 %	UV Absorbance at 275 nm ≤ 0.1 AU
Non volatile residue ≤ 10 mg/Kg	Free acid (as CH ₃ COOH) ≤ 25 mg/Kg	UV Absorbance at 300 nm ≤ 0.01 AU

Code	Size	Packaging	Notes
P0043721	2.5 l	Glass bottle	

Methyl acetate > RPE - For analysis

RPE

Description Clear liquid Identification Positive Water (K.F.) ≤ 0.1 %
 Colour (APHA) ≤ 10 Density at 20° C 0.930 ÷ 0.936 Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
462017	1 l	Glass bottle	

Methyl acetate > RE - Pure

RE

Refractive index at 20°C 1.359 - 1.363 Non volatile residue ≤ 50 mg/Kg Assay (GC) ≥ 99 % Free acid (as CH₃COOH) ≤ 50 mg/Kg
 Water content (K.F.) ≤ 300 mg/Kg Colour ≤ 10 Hazen Methanol ≤ 0.1 %

Code	Size	Packaging	Notes
P0040228	5 l	Plastic tank	
P0040240	10 l	Metal tank	
P0040248	25 l	Metal drum	
P0040268	200 l	Metal drum	

Methyl alcohol ► Methanol



4-Methylaminophenol sulfate

• Bis (4-idrossi-N-metilnilinio) solfato • 4-Méthylaminophénol sulfate • 4-Metil aminofenol sulfato
 • 4-Methylaminophenolsulfat

Synonym:
Metol

(CH₃NHC₆H₄OH)₂·H₂SO₄
 Molecular Weight: 344,39
 CAS: 55-55-0
 EEC-N: 200-237-1

Classification transport

ONU: 3077
 Transport Hazard class: 9
 Packing group III



Warning

H302-H317-H373-H410
 P260-P264-P280g-P301+P312a-P333+P313-P501a

4-Methylaminophenol sulfate > RPE - For analysis - ACS

RPE

Description beige crystalline powder Suit. for phosphate det. Conform Assay (oxidimetric) ≥ 98.5 %
 Identification Positive Residue on ignition ≤ 0.15 %

Code	Size	Packaging	Notes
461805	250 g	Plastic bottle	



Methyl benzoate

• Metile benzoato • Méthyle benzoate • Metilo benzoato • Methylbenzoat

C₆H₅COOCH₃
 Molecular Weight: 136,15
 CAS: 93-58-3
 EEC-N: 202-259-7



Warning

H302
 P264-P270-P301+P312a-P330-P501a

Methyl benzoate > RPE - For analysis

RPE

Description Clear colourless liquid Refractive index at 20° C 1.51 ÷ 1.52 Acidity (benzoic acid) ≤ 0.12 % Ni ≤ 0.2 ppm
 Identification Positive Water (K.F.) ≤ 0.1 % Cu ≤ 0.2 ppm Pb ≤ 0.2 ppm
 Density at 20° C 1.086 ÷ 1.090 Residue on evaporation ≤ 100 ppm Fe ≤ 0.5 ppm Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
462207	1 l	Glass bottle	

**3-Methyl-2-benzothiazolinone hydrazone hydrochloride**

• 3-Metile-2-benzotiazolinone idrazone cloridrato • 3-Méthyl-2-benzothiazoline hydrazone chlorhydrate
• 3-Metil-2-benzotiazolinona hidrazona clorhidrato • 3-Methyl-2-benzothiazolinhydrazonehydrochlorid

Synonym:
2-Hydrazono-3-methylbenzothiazoline
hydrochloride

$C_8H_9N_3S.HCl.H_2O$
Molecular Weight: 233,72
CAS: 38894-11-0

Classification transport
ONU: 2811
Transport Hazard class: 6.1
Packing group III



Danger
H301-H315-H319-H351-H335
P261-P271-P280-P304+P340-P305+P351+P338-
P403+P233

3-Methyl-2-benzothiazolinone hydrazone hydrochloride > RPE - For analysis**RPE**

Description White powder Identification Positive Loss on drying ≤ 8 % Assay (HPLC) ≥ 97.5 % (d.s.)

Code	Size	Packaging	Notes
462238	5 g	Glass bottle	

**Methyl blue**

• Blu metile • Bleu de méthyle • Azul de metilo • Methylblau

Synonym:
Acid blue 93

$C_{37}H_{27}N_3Na_2O_9S_3$
Molecular Weight: 799,8
CAS: 28983-56-4
EEC-N: 249-352-9

Methyl blue > RS - For microscopy - C.I. 42780**RS**

Description Red-violet crystals Identification Positive Sensib.(pH 9.0-11.0) Conform

Code	Size	Packaging	Notes
428932	25 g	Glass bottle	

Dye for histology and microbiology

2-Methyl-2-butanol ▶ tert-Amyl alcohol

3-Methyl-1-butanol ▶ Isoamyl alcohol

2-Methylbutane ▶ Isopentane

Methyl cyanide ▶ Acetonitrile

**Methylcyclohexane**

• Metilcicloesano • Méthylcyclohexane • Metilciclohexano • Methylcyclohexan

Synonym:
Hexahydrotoluene

$CH_3CH(CH_2)_4CH_2$
Molecular Weight: 98,19
CAS: 108-87-2
EEC-N: 203-624-3

Classification transport
ONU: 2296
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-
P403+P233

Methylcyclohexane > RS - SPECTROSOL - For optical spectroscopy**RS**

Code	Size	Packaging	Notes
P0582716	1 l	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Methylcyclohexane > RS - Anhydrous - For analysis****RS**

Refractive index at 20°C 1.421 - 1.425 Non volatile residue ≤ 10 mg/Kg Aromatic compounds ≤ 300 mg/Kg Total sulphur (S) ≤ 1 ppm
Water content (K.F.) ≤ 50 mg/Kg Colour ≤ 10 Hazen Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P0581016	1 l	Glass bottle	

Methylcyclohexane > RPE - For analysis

RPE

Refractive index at 20°C 1.421 - 1.425 Non volatile residue ≤ 10 mg/Kg Aromatic compounds ≤ 300 mg/Kg Total sulphur (S) ≤ 1 ppm
 Water content (K.F.) ≤ 150 mg/Kg Colour ≤ 10 Hazen Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P0580516	1 l	Glass bottle	

Methylcyclohexane > RE - Pure

RE

Description Clear liquid Boiling point 100.15 ÷ 100.65 °C Water (K.F.) ≤ 0.03 % Acidity or alkalinity Passes test
 Density at 20°C 0.767 ÷ 0.770 Benzene ≤ 200 ppm Residue on evaporation ≤ 50 ppm
 Refractive index at 20°C 1.419 ÷ 1.427 Total sulphur (S) ≤ 2 ppm Assay (GLC) ≥ 99.0 % (GLC)

Code	Size	Packaging	Notes
528264	1 l	Glass bottle	
528261	5 l	Plastic tank	
528260	25 l	Metal drum	
528262	200 l	Metal drum	



Methylene blue

• Blu metilene • Bleu de méthylène • Azul de metileno • Methylenblau

Synonym:

- Tetramethylthionine chloride
- 3,7-bis(Dimethylamino)phenazothionium chloride

C₁₆H₁₈N₃SCI.3H₂O
 Molecular Weight: 373,9
 CAS: 7220-79-3
 EEC-N: 200-515-2



Warning

H302-H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Methylene blue > RS - For analysis - Reag.Ph.Eur. - C.I. 52015

RS

Description Dark green powder Assay (dried base) 96 ÷ 101 % Fe Passes Loss on drying at 110°C 10 -20 %
 Identification Positive Solubility Clear Blue Solution Pb ≤ 20 ppm

Code	Size	Packaging	Notes
428984	100 g	Plastic bottle	

Methylene blue > RPE - For analysis - C.I. 52015

RPE

Description Polvere verde blu Identification Positive Functionality Conform

Code	Size	Packaging	Notes
429982	25 g	Glass bottle	
429981	500 g	Plastic bottle	

Redox indicator purple - colorless



Methylene blue saturated solution

• Blu metilene soluzione satura in alcol etilico • Bleu de méthylène solution saturée
 • Azul de metileno solución saturada en alcohol etilico • Methylenblau gesättigte Lösung

Synonym:

Tetramethylthionine chloride

C₁₆H₁₈N₃SCI
 Molecular Weight: 319,85 (an.)
 CAS: 61-73-4

Classification transport

ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger

H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Methylene blue saturated solution > RPE - For analysis

RPE

Description Blue liquid Identification Positive Density at 20° C 0.809 ÷ 0.815 g/ml Assay 1.0 ÷ 1.2 % (p/v)

Code	Size	Packaging	Notes
E429031	250 ml	Glass bottle	

**Methylene blue solution 1%**

- Blu metilene soluzione 1% • Bleu de méthylène solution 1% • Azul de metileno solución 1%
- Methylenblaulösung 1%

Synonym:
Tetramethylthionine chloride

C₁₆H₁₈N₃SCl

HEU210

Molecular Weight: 319,85 (an.)

CAS: 61-73-4

Methylene blue solution 1% > RPE - For analysis**RPE**

Description Blue liquid Identification Positive Density at 20° C ~ 1.00 g/ml Assay (oxidimetric) 0.9 ÷ 1.1 %

Code	Size	Packaging	Notes
E429011	500 ml	Plastic bottle	

Methylene chloride ▶ Dichloromethane**Methyl glycol ▶ 2-Methoxy ethanol****Methyl green**

- Verde metile • Vert de méthyle • Verde de metilo • Methylgrün

C₂₆H₃₃Cl₂N₃

Molecular Weight: 458,48

CAS: 22383-16-0

**Warning**

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

Methyl green > RS - For microscopy - C.I. 42585**RS**

Description Dark red powder Identification Positive

Code	Size	Packaging	Notes
491351	10 g	Glass bottle	
491352	25 g	Glass bottle	

Dye for cytology**Methyl 4-hydroxybenzoate**

- Metile p-ossibenzoato • Méthyle p-oxybenzoate • Metilo p-oxibenzoato • Methyl-4-hydroxybenzoat

Synonym:
4-Hydroxybenzoic acid propyl ester

HOC₆H₄COOCH₃

Molecular Weight: 152,15

CAS: 99-76-3

EEC-N: 202-785-7

**Warning**

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

Methyl 4-hydroxybenzoate > ERBapharm - According to pharmacopoeia: DAB-BP-FU-NF-Ph.Eur.-Ph.Franc.**ERBapharm**

Description White crystalline powder Acidity (HCl) Conform Ph.Eur. Melting point 125 ÷ 128 °C Origin (BSE/TSE) Synthesis
 Identification Positive Related substances Conform Ph.Eur. Sulphated ash ≤ 0.1 %
 Appearance of solution Conform Ph.Eur. Organic volatile impurities Conform USP-NF Assay (acidimetric) 99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
354007	1 kg	Plastic bottle	
354008	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Methyl iodide	Synonym: <i>Iodomethane</i>
	• Metile ioduro • Méthyle iodure • Metilo yoduro • Methyljodid	

CH_3I Molecular Weight: 141,94 CAS: 74-88-4 EEC-N: 200-819-5	Classification transport ONU: 2644 Transport Hazard class: 6.1 Packing group I	 Danger H301-H312-H331-H315-H351-H335 P261-P280-P304+P340-P308+P313-P330- P362+P364-P403+P233
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Methyl iodide > RPE - For analysis


RPE

Description	Clear liquid	Density at 20° C	2.276 ÷ 2.284	Water (K.F.)	≤ 500 ppm
Identification	Positive	Refractive index at 20°C	1.5273 ÷ 1.5313	Residue on evaporation	≤50 ppm
Colour	≤150 APHA	Boiling point	42.0 ÷ 43.0 °C	Assay (GLC)	≥99 %

Code	Size	Packaging	Notes
462601	50 ml	Glass bottle	
462604	250 ml	Glass bottle	

Stabilized with silver

	Methylisoamyl ketone	Synonym: • 5-Methyl-2-hexanone • Isobutylacetone
	• Metilisoamilchetone • Méthylisoamylcétone • Metilo isoamilcetona • Methylisoamylketon	

$\text{C}_7\text{H}_{14}\text{O}$ Molecular Weight: 114,19 CAS: 110-12-3	Classification transport ONU: 2302 Transport Hazard class: 3 Packing group III	 Warning H226-H332 P210-P241-P261-P280-P303+P361+P353- P304+P340
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Methylisoamyl ketone > RE - Pure

RE

Appearance	Clear colourless liquid	Density d20/20	0.811 - 0.815	Non volatile residue	≤ 50 mg/Kg	Assay (GC)	≥ 98.5 %
Refractive index at 20°C	1.404 - 1.408	Water content (K.F.)	≤ 500 mg/Kg	Free acid (as CH3COOH)	≤ 100 mg/Kg		

Code	Size	Packaging	Notes
P0900221	2.5 l	Glass bottle	

	Methyl isobutyl ketone	Synonym: • 4-Methyl-2-pentanone • MBK
	• Metile isobutilchetone • Méthylisobutylcétone • Metilo isobutilcetona • Isobutylmethylketon	

$\text{CH}_3\text{COCH}_2\text{CH}(\text{CH}_3)_2$ Molecular Weight: 100,16 CAS: 108-10-1 EEC-N: 203-550-1	Classification transport ONU: 1245 Transport Hazard class: 3 Packing group II	 Danger H225-H332-H319-H335-HEU066 P210-P280-P303+P361+P353-P304+P340- P305+P351+P338-P403+P233
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Methyl isobutyl ketone > RS - Anhydrous - For analysis

RS

Refractive index at 20°C	1.394 - 1.398	Non volatile residue	≤ 10 mg/Kg	Acetone	≤ 0.1 %	Free acid (as CH3COOH)	≤ 50 mg/Kg
Density d20/20	0.797 - 0.805	Colour	≤ 10 Hazen	Mesityl and isomesityl oxide	≤ 0.1 %		
Water content (K.F.)	≤ 200 mg/Kg	Assay (GC)	≥ 99.5 %	4-methyl-2-pentanol	≤ 0.1 %		

Code	Size	Packaging	Notes
P0601016	1 l	Glass bottle	

Keep in a well-ventilated place

Methyl isobutyl ketone > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear liquid	Density at 20° C	0.797 ÷ 0.805	Alcalinity (NH3)	≤10 ppm	Zn	≤0.1 ppm
Colour (APHA)	≤10	Refractive index at 20°C	1.3930 ÷ 1.3990	Cd	≤0.05 ppm	Assay (GLC)	≥99.5 %
Identification (I.R.)	Conform	Boiling point	115.7 ÷ 116.7 °C	Cu	≤0.1 ppm	Acetone	≤ 0.1 %
Alcohol miscibility	Complete	Water (K.F.)	≤0.05 %	Fe	≤0.1 ppm	Mesityl and isomesityl oxide	≤ 0.1 %
Benzene miscibility	Complete	Residue on evaporation	≤10 ppm	Ni	≤0.1 ppm	4-methyl-2-pentanol	≤ 0.1 %
Diethyl ether miscib.	Complete	Acidity	≤0.002 meq/g	Pb	≤0.1 ppm		

Code	Size	Packaging	Notes
461945	1 l	Glass bottle	
461943	21 kg	Metal drum	

Keep in a well-ventilated place

Methyl isobutyl ketone > RE - Pure**RE**

Description	Clear liquid	Density at 20°C	0,797 ÷ 0,805	Assay (GC)	≥ 99.5 %	Free acid (as CH ₃ COOH)	≤ 50 mg/Kg
Density d ₂₀ /20	0.797 - 0.805	Non volatile residue	≤ 30 mg/Kg	Acidity (Acetic ac.)	≤ 50 ppm	Assay (GLC)	≥ 99.5 %
Identification	Positive	Refractive index at 20°C	1.3930 ÷ 1.3990	Residue on evaporation	≤ 30 ppm	Acetone	≤ 0.1 %
Water content (K.F.)	≤ 1000 mg/Kg	Boiling point	115,7 ÷ 116,7 °C	Water (K.F.)	≤ 1000 ppm	Colour	≤ 15 APHA

Code	Size	Packaging	Notes
528980	5 l	Plastic tank	
528981	25 l	Metal drum	
P0600268	200 l	Metal drum	

Keep in a well-ventilated place**Methyl orange**

• Arancio metile • Méthylorange • Naranja de metilo • Orangenschnaps

Synonym:

- 4-[4-(Dimethylamino)phenylazo]benzenesulfonic acid sodium salt
- Acid Orange 52

C₁₄H₁₄N₃NaO₃S
Molecular Weight: 327,34
CAS: 547-58-0
EEC-N: 208-925-3

Classification transport

ONU: 3143
Transport Hazard class: 6.1
Packing group II

**Danger**

H301
P264-P270-P301+P310a-P330-P405-P501a

Methyl orange > RPE - For analysis - C.I. 13025 - ACS**RPE**

Description Yellow-orange powder Identification Positive Colour change rosso-giallo pH range 3.2 ÷ 4.4 pH

Code	Size	Packaging	Notes
423504	25 g	Glass bottle	
423503	50 g	Plastic bottle	
423505	250 g	Plastic bottle	
423501	500 g	Plastic bottle	
423502	25 kg	Drum	

Dye for microscopy (histology)**Methyl Orange solution 0.1%**

• Arancio metile soluzione 0.1% • Méthylorange solution 0.1% • Naranja de metilo solución 0.1% • Methylorangenzlösung 0.1%

Synonym:

- 4-[4-(Dimethylamino)phenylazo]benzenesulfonic acid sodium salt
- Acid Orange 52

C₁₄H₁₄N₃NaO₃S
Molecular Weight: 327,34
CAS: 547-58-0

Methyl Orange solution 0.1% > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611054802	100 ml	Plastic bottle	Solution in ethanol Ref Ph.Eur 1054802

Color change: pH 3.0 (red) to pH 4.4 (yellow)**Methyl Orange solution 0.1% > RPE - For analysis****RPE**

Description Orange clear liquid Identification Positive Sensitivity(pH 3.1-4.4) Conform Colour change red-yellow

Code	Size	Packaging	Notes
E423562	500 ml	Plastic bottle	

Acid-base indicator



Methyl orange mixed solution

- Indicatore misto di metile arancione • Indicateur mixte au méthylorange • Naranja de metilo solución mixta • Mischindikator mit Methylorange

Synonym:

- 4-[4-(Dimethylamino)phenylazo]benzenesulfonic acid sodium salt
- Acid Orange 52

Methyl orange mixed solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611054801	100 ml	Plastic bottle	Ref Ph.Eur 1054801

Colour change: pH 3.0 (orange) to pH 4.4 (olive-green)

2-Methylpentane ▶ Isohexane

4-Methyl-2-pentanone ▶ Methyl isobutyl ketone

2-Methylphenol ▶ o-Cresol

Methyl phenyl ketone ▶ Acetophenone

2-Methyl-2-propanol ▶ tert-Butanol



N-Methyl-2-pyrrolidone

- N-Metile-2-pirrolidone • N-Méthyle-2-pyrrolidone • N-Metil-2-pirrolidona • N-Methyl-2-pyrrolidon

Synonym:

- 1-Methyl-2-pyrrolidone
- NMP

CH₂-(CH₂)₂-CON-CH₃
CAS: 872-50-4
EEC-N: 212-828-1



Danger

H315-H319-H360D-H335-HA26
P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

N-Methyl-2-pyrrolidone > RS - For Headspace chromatography

RS

Description	Clear colourless liquid	Assay (GLC)	≥ 99.8 %	At 320 nm	≥ 78 %	Residual solvent of class 2(acc. to ICH) ≤ 10 µg/g
Identification	Positive	UV cut off	≤ 269 nm	≥ 350 nm	≥ 97 %	Residual solvent of class 3(acc. to ICH) ≤ 50 µg/g
Density at 20° C	1.026 - 1.032	U.V. Transmittance		GC/HS		Residual solvent of class 3(acc. to ICH) ≤ 50 µg/g
Refractive index at 20°C	1.469 - 1.471	At 285 nm	≥ 30 %	Residual solvent of class 1(acc. to ICH)	≤ 1 µg/g	
Water (K.F.)	≤ 0.1 %	At 300 nm	≥ 55 %			

Code	Size	Packaging	Notes
462881	1 l	Glass bottle	

N-Methyl-2-pyrrolidone > RS - Anhydrous - For analysis

RS

Appearance	Clear liquid	Refractive index at 20°C	1.466 - 1.471	Assay (GC)	≥ 99.8 %
Identification	Conform	Colour	≤ 20 Hazen	Butyrolactone	≤ 500 mg/Kg
Density d20/4	1.026 - 1.032	Water content (K.F.)	≤ 200 mg/Kg	Monomethylamine	≤ 50 mg/Kg

Code	Size	Packaging	Notes
P0871010	200 ml	Bottle with septum	

N-Methyl-2-pyrrolidone > RS - For peptide synthesis

RS

Clear liquid appearance	Conform	Water content (K.F.)	≤ 400 mg/Kg	Amines content	≤ 5 mg/Kg
Identification (IR)	Conform	Colour	≤ 15 Hazen	Assay (GC)	≥ 99.7 %
Refractive index at 20°C	1.466 - 1.471	Bromophenol blue test	Conform	Non volatile residue	≤ 10 mg/Kg

Code	Size	Packaging	Notes
P0873516	1 l	Glass bottle	
P0873521	2.5 l	Glass bottle	
P0873541	10 l	Plastic tank	
P0873549	25 l	Plastic tank	
P0873566	200 l	Polythene-metal drum	

N-Methyl-2-pyrrolidone > RPE - For analysis - ACS

RPE

Description	Clear liquid	Density at 20° C	1.026 ÷ 1.032	Chloride.....	≤ 1 ppm	Monometilamina.....	≤ 50 ppm
Identification	Positive	Refractive index at 20°C. 1.4670 ÷ 1.4710		Free amines (as CH ₃ NH ₂).....	≤ 0.01 %	Assay (GLC)	≥99.8 %
Colour	≤ 50 APHA	Water (K.F)	≤0.05 %	Butirilattone	≤ 500 ppm		

Code	Size	Packaging	Notes
462872	1 l	Glass bottle	
462875	2.5 l	Glass bottle	
462874	23 kg	Drum	
462873	210 kg	Metal drum	

N-Methyl-2-pyrrolidone > RE - Pure

RE

Description	Clear liquid	Colour	≤ 50 APHA	Refractive index at 20°C. 1.4670 ÷ 1.4710		Water (K.F)	≤ 0.1 %
Identification	Positive	Density at 20°C	1.026 ÷ 1.032	Boiling point.....	203.0 ÷ 205.0 °C	Assay (GLC)	≥ 99.5 %

Code	Size	Packaging	Notes
528341	1 l	Glass bottle	
528343	2.5 l	Glass bottle	
528340	5 l	Plastic tank	
528346	25 l	Metal drum	



Methyl red

• Rosso metile • Rouge méthyle • Rojo de metilo • Methylrot

Synonym:

- 2-(4-Dimethylaminophenylazo)benzoic acid
- 4-Dimethylaminobenzene-2'-carboxylic acid



Molecular Weight: 269,31

CAS: 493-52-7

EEC-N: 207-776-1

Methyl red > RPE - For analysis - C.I. 13020

RPE

Description	Purple powder	Appear of water sol.	Conform	pH range	4.2 - 6.2
Identification	Positive	Colour change.....	red-yellow		

Code	Size	Packaging	Notes
476882	25 g	Glass bottle	
476883	50 g	Plastic bottle	
476881	250 g	Plastic bottle	



Methyl red solution water/ethanol 0.2%

• Rosso metile soluzione 0.2% in alcol e etilico • Rouge méthyle solution 0.2% dans l'éthanol
 • Rojo de metilo solución 0.2% en alcohol etilico • Methylrotlösung Wasser / Ethanol 0.2%

Synonym:

- 2-(4-Dimethylaminophenylazo)benzoic acid
- 4-Dimethylaminobenzene-2'-carboxylic acid


Warning

H319

P264-P280i-P305+P351+P338-P337+P313

Methyl red solution water/ethanol 0.2% > RPE - For analysis

RPE

Description	Purple liquid	Identification	Positive	pH sensitivity.....	4.2 ÷ 6.2	Colour change.....	yellow red
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Code	Size	Packaging	Notes
E476915	250 ml	Glass bottle	

Indicator series Clark indicator acid-base



Methyl red solution 0.1% in ethanol

• Rosso metile soluzione 0,1% in alcol etilico • Rouge méthyle solution 0.1% dans l'éthanol
• Rojo de metilo solución 0.1% en alcohol etílico • Methylrotlösung 0.1% in Ethanol

Synonym:

- 2-(4-Dimethylaminophenylazo)benzoic acid
- 4-Dimethylaminobenzene-2'-carboxylic acid

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Methyl red solution 0.1% in ethanol > RPE - For analysis

RPE

Description Purple liquid Identification Positive pH range 4.4 - 6.2

Code	Size	Packaging	Notes
E476921	250 ml	Glass bottle	

Indicator series Clark indicator acid-base



Methyl red solution

• Rosso metile soluzione • Rouge de méthyle solution • Rojo de metilo solución • Methylrotlösung

Synonym:

- 2-(4-Dimethylaminophenylazo)benzoic acid
- 4-Dimethylaminobenzene-2'-carboxylic acid

$C_{15}H_{15}N_3O_2$

Molecular Weight: 269,31

CAS: 493-52-7

Classification transport

ONU: 1170
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Methyl red solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611055102	100 ml	Plastic bottle	Ref Ph.Eur 1055102

Colour change: pH 4.4 (red) to pH 6.0 (yellow)

Methyl red solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000111	100 ml	Plastic bottle	Methyl red solution TS



Methyl red mixed solution

• Indicatore misto di rosso di metile • Indicateur mixte au rouge de méthyle • Rojo de metilo solución mixta • Mischindikator mit Methylrot

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Methyl red mixed solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611055101	100 ml	Plastic bottle	Ref Ph.Eur 1055101

Colour change: pH 5.2 (red-violet) to pH 5.6 (green)

**Methyl salicylate**

• Metile salicilato • Méthyle salicylate • Metilo salicilato • Methylsalicylat

Synonym:

2-Hydroxybenzoic acid methyl ester

$\text{HOC}_6\text{H}_4\text{COOCH}_3$
 Molecular Weight: 152,15
 CAS: 119-36-8
 EEC-N: 204-317-7

**Warning**

H302-H319
 P264-P280i-P301+P312a-P305+P351+P338-
 P337+P313-P501a

Methyl salicylate > ERBApharm - According to pharmacopoeia: BP-DAB-FU-Ph.Eur.-Ph.Franc.**ERBApharm**

Description Yellowish liquid Refractive index at 20°C..... 1.535 ÷ 1.538 Appearance of solution Conform Ph.Eur. Density d20/20 1.182 - 1.188
 Identification Positive Assay (saponification) 99.0 ÷ 101.0 % Acidity Conform Ph.Eur.

Code	Size	Packaging	Notes
354152	1 l	Glass bottle	
354155	25 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Methyl sulfoxide ► Dimethylsulphoxide

Methyl tert-butyl ether ► tert-Butylmethylether

**2-Methyltetrahydrofuran**

• 2-Metiltetraidrofurano • 2-Méthyltétrahydrofurane • 2-Metiltetrahidrofurano • 2-Methyltetrahydrofuran

Synonym:

• Tetrahydro-2-methylfuran
• 2-MeTHF

$\text{C}_5\text{H}_{10}\text{O}$
 Molecular Weight: 86,14
 CAS: 96-47-9
 EEC-N: 202-507-4

Classification transport

ONU: 2536
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H302-H318-H335-HEU019
 P210-P280-P303+P361+P353-P304+P340-P310a-
 P305+P351+P338-P403+P233

2-Methyltetrahydrofuran > RS - For HPLC - Isocratic Grade**RS**

Clear, colourless liq. appearance Conform Refractive index at 20°C..... 1.404 - 1.408 Assay (GC) ≥ 99.5 % UV transmittance at 280 nm ≥ 90 %
 Density d20/4 0.853 - 0.857 Water content (K.F.) ≤ 200 mg/Kg UV transmittance at 240 nm ≥ 30 % UV transmittance from 310 nm ≥ 98 %
 Identification Conform Non volatile residue ≤ 5 mg/Kg UV transmittance at 250 nm ≥ 50 %
 Colour ≤ 10 Apha Peroxides (as H2O2) ≤ 300 mg/Kg UV transmittance at 260 nm ≥ 70 %

Code	Size	Packaging	Notes
412681	1 l	Glass bottle	
412682	2.5 l	Glass bottle	

2-Methyltetrahydrofuran > RE - Pure**RE**

Appearance Clear colourless liquid Density d20/4 0.853 - 0.857 Assay (GC) ≥ 99.9 % Peroxides (as H2O2) ≤ 100 mg/Kg
 Refractive index at 20°C 1.404 - 1.408 Water content (K.F.) ≤ 300 mg/Kg Stabilizer (iono) 150 - 400 mg/Kg

Code	Size	Packaging	Notes
P9960216	1 l	Glass bottle	
P9960221	2.5 l	Glass bottle	
P9960229	5 l	Plastic tank	
P9960248	25 l	Metal drum	
P9960268	200 l	Metal drum	



4-Methyltetrahydropyran

• 4-Metiltetraidropirano • 4-Méthyltétrahydropyrane • 4-Metiltetrahidropyran • 4-Methyltetrahydropyran



Molecular Weight: 100,16

CAS: 4717-96-8

EEC-N: 225-207-5

Classification transport

ONU: 2924

Transport Hazard class: 3

Packing group II



Danger

H225-H314

P210-P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

4-Methyltetrahydropyran > RE - Pure

RE

Appearance Clear colourless liquid Colour ≤ 10 Hazen Density d20/4 0.855 - 0.865 Assay (GC) ≥ 99.0 %

Code	Size	Packaging	Notes
P9990218	500 ml	Glass bottle	
P9990216	1 l	Glass bottle	
P9990221	2.5 l	Glass bottle	



Methylthymol blue sodium salt

• Blu metiltimolo sale sodico • Bleu de méthylthymol sel de sodium • Azul de metiltimol sal sódica • Methylthymolblau Natriumsalz

Synonym:

3,3'-(Bis[*n,n*-di(carboxymethyl)aminomethyl]thymolsulfonephthalein sodium salt



Molecular Weight: 844,26

CAS: 1945-77-3

EEC-N: 217-743-3



Warning

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

Methylthymol blue sodium salt > RPE - For analysis

RPE

Description Greenish brown powder Identification Positive

Code	Size	Packaging	Notes
429021	1 g	Glass bottle	
429022	25 g	Glass bottle	

Complexometric indicator



Methyl yellow

• Giallo metile • Jaune de méthyle • Amarillo de metilo • Methylgelb

Synonym:

• 4-(Dimethylamin)azobenzene
• *N,N*-Dimethyl-4-(phenylazo)aniline



Molecular Weight: 225,29

CAS: 60-11-7

EEC-N: 200-455-7

Classification transport

ONU: 3143

Transport Hazard class: 6.1

Packing group III



Danger

H301-H317

P261-P264-P280g-P301+P310a-P330-P362+P364

Methyl yellow > RPE - For analysis - C.I. 11020

RPE

Description Yellow orange powder pH range 2.9 - 4.0 Colour change Red - yellow
Identification Positive Loss on drying ≤ 3 %

Code	Size	Packaging	Notes
444552	25 g	Glass bottle	

MIBK ▶ Methyl isobutyl ketone

Mineral oil ▶ Paraffin oil

**Mixture C.H.M.**

• Miscela C.H.M. • Mélange CHM • Mezcla C.H.M. • Mischung C.H.M.

Classification transportONU: 1992
Transport Hazard class: 3
Packing group II**Danger**H225-H302-H315-H319-H351-H361d-H336-H372-H410-HEU301
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233**Mixture C.H.M. > RPE - For analysis****RPE**

Description Clear colourless liquid Colour ≤ 10 APHA Density at 20°C 1.070 ÷ 1.080 Assay (GLC) Conform

Code	Size	Packaging	Notes
524411	2.5 l	Glass bottle	
524412	5 l	Plastic tank	

Composition: Chloroforme stab. Amylene: 49%(v/v) n-Heptane: 49%(v/v) Methanol: 2%(v/v)**Mix Diethyl ether/Ethanol 70/30 w/w**

• Miscela alcoole-etero 30/70 m/m • Mélange alcool/ether 30/70 m/m • Mezcla alcohol-éter 30/70 p/p • Mische Diethylether / Ethanol 70/30 m/m

Classification transportONU: 1993
Transport Hazard class: 3
Packing group II**Danger**H225-H319-H336-HEU019
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233**Mix Diethyl ether/Ethanol 70/30 w/w > RPE - For analysis****RPE**

Description Clear colourless liquid Identification Positive Density at 20° C 0.740 ÷ 0.750

Code	Size	Packaging	Notes
463251	1 l	Glass bottle	
463255	2.5 l	Glass bottle	

Contains Phenolphthalein**Mix Diethyl ether / Ethanol 95% 50/50(w/w) - 30 mg/l phenolphthaleine**• Etanolo 95%-Etere etilico 50/50(m/m) - 30 mg/l fenolfptaleina • Ethanol 95%-Ether ethylique 50/50(m/m) - 30 mg/l phénolphthaleine
• Etanol 95% - Etil éter 50/50 (m/m) - 30 mg/l fenolfptaleína • Ethanol 95% -Diethylether 50/50 m/m -30 mg/l Phenolphthalin**Classification transport**ONU: 1993
Transport Hazard class: 3
Packing group I**Danger**H224-H319-H336-HEU019
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233**Mix Diethyl ether / Ethanol 95% 50/50(w/w) - 30 mg/l phenolphthaleine > RS - For analysis****RS**

Description Clear colourless liquid Colour < 10 APHA Density at 20°C 0.757 ÷ 0.767

Code	Size	Packaging	Notes
529371	5 l	Aluminium can	

**Mix Ethanol absolute/Diethyl ether 50/50 (w/w)**• Miscela Etanolo assoluto/Etere Etilico 50/50 (p/p) • Mélange Ethanol absol/Ether Ethylique 50/50 (m/m) • Mezcla Etanol absoluto/Eter Etilico 50/50 (p/p)
• Mischung Ethanol absolut/Diethylether 50/50 (m/m)**Classification transport**ONU: 1993
Transport Hazard class: 3
Packing group I**Danger**H224-H319-H336-HEU019
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233**Mix Ethanol absolute/Diethyl ether 50/50 (w/w) > RE - Pure****RE**

Description Clear colourless liquid Colour ≤ 10 APHA

Code	Size	Packaging	Notes
529311	5 l	Aluminium can	



Mix Ethanol absolute/Diethyl ether 50/50 (v/v)

- Miscela Etanolo assoluto/Etere Etilico 50/50 (v/v) • Mélange Ethanol absolu/Ether Ethylique 50/50 (v/v) • Mezcla Etanol absoluto/Eter Etílico 50/50 (v/v)
- Mischung Ethanol absolut/Diethylether 50/50 (v/v)

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group -



Danger

H224-H319-H336-HEU019
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Mix Ethanol absolute/Diethyl ether 50/50 (v/v) > RE - Pure

RE

Description Clear colourless liquid Colour ≤ 10 APHA Density at 20°C ~ 0.757

Code	Size	Packaging	Notes
529381	5 l	Aluminium can	



Mixture Ethanol 95° / Isopropanol

- Miscela Etanolo 95° / Isopropanolo • Mélange éthanol 95° / 2-propanol • Mezcla etanol 95° / 2-propanol • Mischung Ethanol 95° / Isopropanol

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-P305+P351+P338-P337+P313

Mixture Ethanol 95° / Isopropanol > RPE - For analysis

RPE

Description Clear colourless liquid Density d20/4 0.78 - 0.80 Propan-2-ol content ≤ 15 % (w/w)
Water (K.F.) ≤ 5 % Ethanol content ≥ 80 % (w/w) Assay (alcoholometric) Total at 20°C 94 - 96 % (V/V)

Code	Size	Packaging	Notes
414551	5 l	Plastic tank	In Vitro Diagnostic Medical Device



Mixture Ethanol 99° / Isopropanol

- Miscela Etanolo 99° / Isopropanolo • Mélange éthanol 99° / 2-propanol • Mezcla etanol 99°/2-propanol • Mischung Ethanol 99° / Isopropanol

Classification transport

ONU: 1987
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-P305+P351+P338-P337+P313

Mixture Ethanol 99° / Isopropanol > RPE - For analysis

RPE

Description Clear colourless liquid Density d20/4 0.78 - 0.80 Propan-2-ol content 5 - 15 % (w/w)
Water (K.F.) ≤ 0.5 % Ethanol content 85 - 95 % (w/w) Assay (alcoholometric) Total at 20°C ≥ 99 % (V/V)

Code	Size	Packaging	Notes
414511	5 l	Plastic bottle	In Vitro Diagnostic Medical Device



Mixture for bromine index determination

- Miscela per la determinazione dell'indice di bromo • Mélange pour indice de brome • Mezcla para la determinación de índice de bromo
- Mischung für Bromindex

Classification transport

ONU: 2920
Transport Hazard class: 8
Packing group II



Danger

H226-H302-H314-H351-H370-H373
P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Mixture for bromine index determination > RS - For analysis

RS

Refractive index at 20°C 1.375 - 1.379 Density d20/4 1.060 - 1.068

Code	Size	Packaging	Notes
PS0573/21	2.5 l	Glass bottle	

**Mixture for checking solderings**

- Miscela per il controllo delle saldature degli imballaggi • Mélange pour le contrôle des soudures des emballages
- Mezcla para el control de soldaduras de envases • Mischung zur Kontrolle von Lötungen

Classification transport

ONU: 1219
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H319-H336
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Mixture for checking solderings > RS - For agroalimentary analysis**RS**

Description Clear purple liquid Density at 20°C 0.788 ÷ 0.798

Code	Size	Packaging	Notes
502671	5 l	Plastic tank	

**Mixtures for residual solvents analysis**

- Soluzioni standard per la ricerca di solventi residui • Mélanges pour la recherche des solvants résiduels • Mezclas para disolventes residuales analisis
- Gemische zum Nachweis von Restlösemitteln

Mixtures for residual solvents analysis > RS - For analysis according to Ph. Eur. Chap. 2.4.24**RS**

Code	Size	Packaging	Notes
507688	1 ml	Glass ampoule	5 elements (Class 1): Benzene 4mg/ml; 1,2-Dichloroethane 10mg/ml; Tetrachloromethane 8mg/ml; 1,1-Dichloroethene 16mg/ml; 1,1,1-Tric hloroethane 20mg/ml; Matrix: Dimethylsulphoxide
507689	1 ml	Glass ampoule	14 elements (Class 2): Chlorobenzene 360µg/ml; Cyclohexane 3880µg/ml; cis-1,2-Dichloroethene 1870µg/ml; Dichloromethane 600µg/ml; Ethylbenzene 369µg/ml; n-Hexane 290µg/ml; Methylcyclohexane 1180µg/ml; n,n-Dimethylformamide 880µg/ml; Toluene 890µg/ml; 1,1,2-Trichloroethene 80µg/ml; m-Xylene 1302µg/ml; o-Xylene 195µg/ml; p-Xylene 304µg/ml; Tetrahydrofuran 720µg/ml; Matrix: Dimethylsulfoxide
507690	1 ml	Glass ampoule	11 elements (Class 2): Acetonitrile 410mg/l; Chloroform 60mg/l; 1,2-Dimethoxyethane 100mg/l; n,n-Dimethylacetamide 1090mg/l; Dioxan 380mg/l; 2-Hexanone 50mg/l; Methanol 3000mg/l; Nitromethane 50mg/l; Pyridine 200mg/l; 1,2,3,4-Tetrahydronaphthalene 100mg/l; Isop ropylbenzene (Cumene) 70mg/l; Matrix: Dimethylsulphoxide/ Water
507691	1 ml	Glass ampoule	6 elements (Class 2): Ethyleneglycol-monoethyl ether (2-Ethoxyethanol) 160mg/l; Ethyleneglycol 620mg/l; Formamide 220mg/l; Ethylene glycol-monomethyl ether (2-Methoxyethanol) 50mg/l; 1-Methyl-2-pyrrolidon 4840mg/l; Sulfolan 160mg/l; Matrix: Water

Mixtures for residual solvents analysis > RS - For analysis according to USP – Residual solvents**RS**

Code	Size	Packaging	Notes
507692	1 ml	Glass ampoule	5 elements (Class 1): Benzene 10mg/ml; Tetrachloromethane (Carbon tetrachloride) 20mg/ml; 1,2-Dichloroethane 25mg/ml; 1,1-Dichloroethene 40mg/ml; 1,1,1-Trichloroethane 50mg/ml; Matrix: Dimethylsulphoxide
507693	1 ml	Glass ampoule	16 elements (Class 2): Acetonitrile 2.05mg/ml; Chlorobenzene 1.8mg/ml; Cumene 0.34mg/ml; Cyclohexane 19.4mg/ml; cis-1,2-Dichloroethene 4.7mg/ml; trans-1,2-Dichloroethene 4.7mg/ml; 1,4-Dioxan 1.9mg/ml; Ethylbenzene 1.84mg/ml; Methanol 15mg/ml; Methylcyclohexane 5.9mg/ml; Dichloromethane 3mg/ml; Tetrahydrofuran 3.6mg/ml; Toluene 4.45mg/ml; m-Xylene 6.51mg/ml; o-Xylene 0.98mg/ml; p-Xylene 1.52mg/ml; Matrix: Dimethylsulphoxide
507694	1 ml	Glass ampoule	8 elements (Class 2): Chloroform 60µg/ml; 1,2-Dimethoxyethane 100µg/ml; n-Hexane 290µg/ml; 2-Hexanone 50µg/ml; Nitromethane 50µg/ml; Pyridine 200µg/ml; 1,2,3,4-Tetrahydronaphthalene (Tetralin) 100µg/ml; Trichloroethene 80µg/ml; Matrix: Dimethylsulphoxide



Molecular sieves 3 A

• Setacci molecolari 3 A • Tamis moléculaire 3 A • Tamices moleculares 3 A • Molekularsieb 3 A

HEU210

Molecular sieves 3 A > RS - Pellets 1/16"

RS

Description Beige granules Identification Positive Apparent density 700 ÷ 800 g/l

Code	Size	Packaging	Notes
477731	250 g	Glass bottle	

Molecular sieves 3 A > RS - Pellets 1/8"

RS

Description Sferetti e 1/8" Identification Positive

Code	Size	Packaging	Notes
477721	250 g	Glass bottle	

Molecular sieves 3 A > RS - Pure

RS

Code	Size	Packaging	Notes
P1810017	1 kg	Plastic bottle	

Pellets between 1/8" and 1/16"



Molecular sieves 4 A

• Setacci molecolari 4 A • Tamis moléculaire 4 A • Tamices moleculares 4 A • Molekularsieb 4A

HEU210

Molecular sieves 4 A > RS - Pellets

RS

Code	Size	Packaging	Notes
P1820017	1 kg	Plastic bottle	
P1820027	5 kg	Plastic bucket	
P1820047	25 kg	Plastic bucket	

Granulometry: 1.6-2.5 mm



Molybdenum standard solution

• Molibdeno standard soluzione • Molybdène solution standard • Molibdeno, solución patrón • Molybdän-Standardlösung

Molybdenum standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505722	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505725	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid
505723	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Molybdenum standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503731	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Ammonium hydroxide
503733	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Ammonium hydroxide
503735	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Ammonium hydroxide
503737	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Ammonium hydroxide

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Molybdenum standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507747	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid
507494	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
E497565	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Ammonium hydroxide
E497561	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Ammonium hydroxide

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Molybdenum standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
463431		Plastic ampoule	conc. 1.000 ppm Matrix: Ammonium hydroxide - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

**Molybdenum (VI) oxide**

• Anidride molibdica • Anhydride molybdique • Anhídrido molibdénico • Molybdän (VI) oxid

Synonym:

Molybdenum trioxide

MoO₃
Molecular Weight: 143,94
CAS: 1313-27-5
EEC-N: 215-204-7

Classification transport
ONU: 3288
Transport Hazard class: 6.1
Packing group III



Warning
H319-H351-H335
P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Molybdenum (VI) oxide > RPE - For analysis

RPE

Description White, slightly yellow, green, or gray solid Chloride ≤ 50 ppm Sulphate ≤ 200 ppm
Identification Positive Phosphate ≤ 5 ppm Fe ≤ 50 ppm
Ammonium ≤ 100 ppm Nitrate ≤ 100 ppm Assay (oxidimetric) ≥ 99.5 %

Code	Size	Packaging	Notes
422004	100 g	Glass bottle	
422005	250 g	Glass bottle	

Molybdophosphoric acid ▶ Phosphomolybdic acid**Molybdovanadic reagent**

• Reattivo molibdovanadico • Réactif molybdovanadique • Reactivo molibdenovanádico • Molybdovanadisches Reagens

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group III



Danger
H302-H314-H335
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Molybdovanadic reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611056700	100 ml	Plastic bottle	Ref Ph.Eur 1056700

Mordant Black 11 ▶ Eriochrome black T**Mordant Red 11 ▶ Alizarin**

Morpholine
 • Morfolina • Morpholine • Morfolina • Morpholin

Synonym:
Tetrahydro-1,4-oxazine

NH(CH₂)₂OCH₂CH₂
 Molecular Weight: 87,12
 CAS: 110-91-8
 EEC-N: 203-815-1

Classification transport
 ONU: 2054
 Transport Hazard class: 8
 Packing group I



Danger
 H226-H302-H312-H332-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P362+P364

Morpholine > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear liquid Identification Positive Boiling point 126.0 ÷ 130.0 °C
 Colour (APHA) ≤ 10 Assay (acidimetric) ≥ 99.0 % Density at 20°C ~ 1.01

Code	Size	Packaging	Notes
463453	1 l	Glass bottle	

MTBE ▶ tert-Butylmethylether

Mucicarmin hydroalcoholic solution
 • Mucicarminio soluzione idroalcolica • Mucicarmin en solution hydroalcoolique • Mucicarmin solución hidroalcohólica
 • Mucicarmin in hydroalkoholischer Lösung

Classification transport
 ONU: 1170
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H319
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P337+P313

Mucicarmin hydroalcoholic solution > RS - For microscopy

RS

Description Red clear liquid Identification Positive

Code	Size	Packaging	Notes
463531	100 ml	Glass bottle	

Ethanol-water mixture (50:50)

Multianions standard for ion chromatography
 • Standard multianione per cromatografia ionica • Etalon multiéléments pour chromatographie ionique • Patrón multielementos para cromatografía iónica
 • Multianionen-Standard für die Ionenchromatographie

Classification transport
 ONU: 3264
 Transport Hazard class: 8
 Packing group II

Multianions standard for ion chromatography > RS - Standard solution according to EPA method

RS

Code	Size	Packaging	Notes
504526	100 ml	Plastic bottle	7 elements: Br-, Cl-, NO ₃ -, NO ₂ -, PO ₄ ³⁻ , SO ₄ ²⁻ , F- 1g/l each - Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multianions standard for ion chromatography > RS - Quality control Standard

RS

Code	Size	Packaging	Notes
504527	100 ml	Plastic bottle	7 elements: Br- 100ppm, SO ₄ ²⁻ 150ppm, PO ₄ ³⁻ 50ppm, Cl- 30ppm, NO ₂ - 30ppm, NO ₃ - 20ppm, F- 20 ppm - Matrix: Water
504677	500 ml	Plastic bottle	7 elements: F- 20mg/l; Cl- 100mg/l; NO ₂ - 100mg/l; Br- 100mg/l; NO ₃ - 100mg/l; PO ₄ ³⁻ 200mg/l; SO ₄ ²⁻ 100mg/l; Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Multielement standard for ICP

• Standard multielemento per ICP • Etalon multiéléments pour ICP • Patrón multielementos para ICP • Multielement-Standard für ICP

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Multielement standard for ICP > RS - For analysis according to USP – WK Dietary supplement

RS

Code	Size	Packaging	Notes
506120	100 ml	Plastic bottle	4 elements: Cd 5mg/l; Pb 10mg/l; As 15mg/l; Hg 15mg/l. Matrix: 7% HNO ₃

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multielement standard for ICP > RS - For analysis according to USP – Oral elemental impurities

RS

Code	Size	Packaging	Notes
506110	100 ml	Plastic bottle	8 elements: Cd 25mg/l; Pb 5mg/l; As 1.5mg/l; Hg 15mg/l; Mo 100mg/l; Ni 500mg/l; V 100mg/l; Cu 1000mg/l. Matrix: 7% HNO ₃
506150	100 ml	Plastic bottle	Precious metals - 6 elements: Ir 100 mg/l, Pt 100 mg/l; Os 100 mg/l; Rh 100 mg/l; Pd 100 mg/l; Ru 100 mg/l. Matrix: 15% HCl

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multielement standard for ICP > RS - For analysis according to USP – Parenteral elemental impurities

RS

Code	Size	Packaging	Notes
506130	100 ml	Plastic bottle	Precious metals - 6 elements: Ir 10 mg/l, Pt 10 mg/l; Os 10 mg/l; Rh 10 mg/l; Pd 10 mg/l; Ru 10 mg/l. Matrix: 15% HCl
506140	100 ml	Plastic bottle	8 elements: Cd 2.5mg/l; Pb 5mg/l; As 1.5mg/l; Hg 1.5mg/l; Mo 10mg/l; Ni 50mg/l; V 10mg/l; Cu 100mg/l. Matrix: 7% HNO ₃

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multielement standard for ICP > RS - Optimisation solution

RS

Code	Size	Packaging	Notes
504396	500 ml	Plastic bottle	13 elements: Al, Mg, Cr, Mn, Cu, Rh, In, Cd, Ce, Pb, Th, B, Ba 0,01mg/ml each - Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

a
b
c
d
e
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k
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q
r
s
t
u
v
w
x
y
z

Multielement standard for ICP > RS - Quality control Standard

RS

Code	Size	Packaging	Notes
504350	100 ml	Plastic bottle	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid
504354	100 ml	Plastic bottle	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Nb, Ni, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 1ppm each - Matrix: Nitric acid
504356	100 ml	Plastic bottle	40 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, Ga, Ge, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Pd, Rb, Sb, Se, Sn, Sr, Ta, Ti, Tl, U, V, W, Zn, Zr 1ppm each - Matrix: Nitric acid
504351	500 ml	Plastic bottle	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid
504353	500 ml	Plastic bottle	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Ce, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid
504355	500 ml	Plastic bottle	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Nb, Ni, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 1ppm each - Matrix: Nitric acid
504357	500 ml	Plastic bottle	40 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, Ga, Ge, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Pd, Rb, Sb, Se, Sn, Sr, Ta, Ti, Tl, U, V, W, Zn, Zr 1ppm each - Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multielement standard for ICP > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504301	100 ml	Plastic bottle	6 elements: Au, Ir, Pb, Pt, Rh, Ru 100ppm each - Matrix: Nitric acid
504303	100 ml	Plastic bottle	16 elements: Al, As, Ba, Be, Bi, Ca, Cs, Ga, In, K, Li, Mg, Na, Rb, Se, Sr 100ppm each - Matrix: Nitric acid
504305	100 ml	Plastic bottle	13 elements: Ag, Cd, Co, Cr, Cu, Fe, Hg, Mn, Ni, Pb, Tl, V, Zn 100ppm each - Matrix: Nitric acid
504480	100 ml	Plastic bottle	24 components: Ag 1mg/kg; Sb 1mg/kg; As 1mg/kg; Mn 1mg/kg; Cd 1mg/kg; Cr 1mg/kg; Ti 1mg/kg; Pb 1mg/kg; Co 1mg/kg; Ni 1mg/kg; Se 1mg/kg; V 1mg/kg; Mo 1mg/kg; Sn 1mg/kg; Ba 1mg/kg; Be 1mg/kg; Li 1mg/kg; Tl 1mg/kg; Bi 1mg/kg; Al 10mg/kg; Cu 10mg/kg; Fe 10mg/kg; B 10mg/kg; Zn 10mg/kg - Matrix: nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multielement standard for ICP > RS - Calibrating solution

RS

Code	Size	Packaging	Notes
504306	100 ml	Plastic bottle	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid
504308	100 ml	Plastic bottle	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid
504310	100 ml	Plastic bottle	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 100ppm - Matrix: Nitric acid
504312	100 ml	Plastic bottle	9 elements: Au, Ir, Os, Pb, Pt, Rh, Ru, Sn, Te 100ppm each - Matrix: Hydrochloric acid
504307	500 ml	Plastic bottle	22 elements: As, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid
504309	500 ml	Plastic bottle	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 100ppm each - Matrix: Nitric acid
504311	500 ml	Plastic bottle	33 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cs, Cr, Cu, Fe, In, K, Li, Mg, Mn, Mo, Na, Ni, Nb, Pb, Rb, Sb, Se, Sr, Ti, Tl, U, V, Zn 100ppm each - Matrix: Nitric acid
504313	500 ml	Plastic bottle	9 elements: Au, Ir, Os, Pb, Pt, Rh, Ru, Sn, Te 100ppm each - Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Multielement standard for ICP and ICP-MS

- Standard multielemento per ICP e ICP-MS • Etalon multiéléments pour ICP et ICP-MS • Patrón multielementos para ICP e ICP-MS
- Multielement-Standard für ICP und ICP-MS

Classification transport
 ONU: 3264
 Transport Hazard class: 8
 Packing group II

Multielement standard for ICP and ICP-MS > RS - Solution de Tuning pour ICP-MS

RS

Code	Size	Packaging	Notes
504392	100 ml	Plastic bottle	9 elements: Be, Mg, Co, In, Rh, Ce, Ba, Pb, U 10ppm each - Matrix: Nitric acid
504393	100 ml	Plastic bottle	13 elements: Ba, Be, Bi, Ce, Cu, Ho, In, Li, Mg, Pb, Tl, U, Y 10ppm each - Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Multielement standard for ICP and ICP-MS > RS - Quality control standard solution

RS

Code	Size	Packaging	Notes
504352	100 ml	Plastic bottle	28 elements: Al, Ag, As, B, Ba, Be, Bi, Ca, Ce, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn 1ppm each - Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

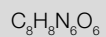


Murexide

• Muresside • Murexide • Murexida • Murexid

Synonym:

5,5'-Nitrilodibarbituric acid monoammonium salt



Molecular Weight: 284,19

CAS: 3051-09-0

EEC-N: 221-266-6

Murexide > RPE - For analysis - C.I. 56085

RPE

Description Red violet powder Identification Positive Loss on drying ≤10 % Residue on ignition ≤0.5 %

Code	Size	Packaging	Notes
463608	5 g	Glass bottle	
463609	25 g	Glass bottle	

Complexometric indicator



Naphthalene

• Naftalene • Naphtalène • Naftaleno • Naphthalin

$C_{10}H_8$

Molecular Weight: 128,17

CAS: 91-20-3

EEC-N: 202-049-5

Classification transport

ONU: 1334

Transport Hazard class: 4.1

Packing group III



Warning

H302-H351-H410

P264-P280-P301+P312a-P330-P308+P313-P501a

Naphthalene > RPE - For analysis

RPE

Description White flakes Identification Positive Melting point $79 \div 82 \text{ } ^\circ\text{C}$ Assay (GLC) $\geq 98.5 \%$

Code	Size	Packaging	Notes
463654	100 g	Plastic bottle	
463655	250 g	Plastic bottle	
463651	1 kg	Plastic bottle	



1-Naphthol

• 1-Naftolo • 1-Naphtol • 1-Naftol • 1-Naphthol

Synonym:

1-Hydroxynaphthalene

$C_{10}H_7OH$

Molecular Weight: 144,17

CAS: 90-15-3

EEC-N: 201-969-4



Danger

H302-H312-H315-H318-H335

P304+P340-P310a-P305+P351+P338-P330-

P362+P364-P403+P233

1-Naphthol > RPE - For analysis

RPE

Description Grey-brown flakes Identification Positive Melting point $94 \div 98 \text{ } ^\circ\text{C}$ Assay (GLC) $\geq 97.5 \%$

Code	Size	Packaging	Notes
463935	250 g	Plastic bottle	

1-Naphthol > RE - Pure

RE

Description White pinkish crystals Melting point $94 \div 98 \text{ } ^\circ\text{C}$ Assay (GLC) $\geq 98 \%$

Identification Positive á-Naphthole $\leq 1 \%$

Code	Size	Packaging	Notes
354751	250 g	Plastic bottle	



2-Naphthol

• 2-Naftolo • 2-Naphtol • 2-Naftol • 2-Naphthol

Synonym:

2-Hydroxynaphthalene

$C_{10}H_7OH$

Molecular Weight: 144,17

CAS: 135-19-3

EEC-N: 205-182-7

Classification transport

ONU: 3077

Transport Hazard class: 9

Packing group III



Warning

H302-H332-H400

P261-P264-P271-P301+P312a-P304+P340-P501a

2-Naphthol > RPE - For analysis - C.I. 37500


RPE

Description Flakes pinky Identification Positive Melting point $\geq 120 \text{ } ^\circ\text{C}$ Assay (GLC) $\geq 99.0 \%$

Code	Size	Packaging	Notes
463984	100 g	Plastic bottle	
463986	500 g	Plastic bottle	

	alpha-Naphtholbenzein	Synonym: 4,4'-(alpha-Hydroxybenzylidene)di-1-naphthol
	• alfa-Naftolbenzeina • alpha-Naphtholbenzéine • alpha-Naftolbenzeina • alpha-Naphtholbenzol	

$C_{27}H_{18}O_2$
Molecular Weight: 374,44
CAS: 145-50-6
EEC-N: 205-656-3

 **Warning**
H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

alpha-Naphtholbenzein > RPE - For analysis

RPE

Description Red brown powder Identification Positive Suitability for anhydrous titration Conform



Code	Size	Packaging	Notes
463891	5 g	Glass bottle	

Acid-base indicator

	alpha-Naphtholbenzein solution 0.2% in acetic acid	Synonym: 4,4'-(alpha-Hydroxybenzylidene)di-1-naphthol
	• alfa-Naftolbenzeina soluzione 0.2% in acido acetico • alpha-Naphtholbenzéine solution 0.2% dans acide acétique • alfa-Naftolbenzeina solución 0.2% en acido acético • alpha-Naphtholbenzollösung 0.2% in Essigsäure	

$C_{27}H_{18}O_2$
Molecular Weight: 374,44
CAS: 145-50-6

Classification transport
ONU: 2789
Transport Hazard class: 8
Packing group II

  **Danger**
H226-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

alpha-Naphtholbenzein solution 0.2% in acetic acid > RS - For analysis according to Ph. Eur. Chap. 4.1.1


RS

Code	Size	Packaging	Notes
611057601	100 ml	Glass bottle	Ref Ph.Eur 1057601

	Naphthol yellow S	Synonym: Acid yellow 1 | Flavinic acid sodium salt | 2,4-Dinitro-1-naphthol-7-sulfonic acid sodium salt
	• Giallo naftolo S • Jaune naphthol S • Amarillo naftol S • Gelbes Naphthol S	

$C_{10}H_4N_2Na_2O_8S$
Molecular Weight: 358,19
CAS: 846-70-8
EEC-N: 212-690-2

Classification transport
ONU: 3143
Transport Hazard class: 6.1
Packing group III

 **Warning**
H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Naphthol yellow S > RS - For microscopy - C.I. 10316

RS


Description P.v xx.na giallo arancio Identification Positive

Code	Size	Packaging	Notes
453562	25 g	Glass bottle	

Dye for histology

	N-(1-Naphthyl)ethylenediamine dihydrochloride	Synonym: 2-(1-Naphthylamino)ethylamine dihydrochloride
	• N-(1-Naftil)etilendiammina dicloridrato • N-(1-Naphthyl)éthylènediamine dichlorhydraté • N-(1-Naftil)etilendiammina diclorhidrato • N-(1-Naphthyl) ethylendiamin-dihydrochlorid	

$C_{10}H_7NHCH_2CH_2NH_2 \cdot 2HCl$
Molecular Weight: 259,18
CAS: 1465-25-4
EEC-N: 215-981-2

 **Warning**
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

N-(1-Naphthyl)ethylenediamine dihydrochloride > RPE - For analysis

RPE

Description White or beige powder, crystal or chunks Identification Positive Water ≤ 5 % Titolo (TLC) ≥ 98 %

Code	Size	Packaging	Notes
463831	10 g	Glass bottle	

Search for sulfonamides in the blood and spectrophotometric determination of nitrites and nitrates for FIA middle

**NDF Plus solution**

• Soluzione NDF PLUS • Solution NDF PLUS • Solución NDF PLUS • Lösung NDF PLUS

**Warning**H319
P264-P280i-P305+P351+P338-P337+P313**NDF Plus solution > RPE - For agroalimentary analysis****RPE**

Appearance Clear liquid

Code	Size	Packaging	Notes
526941	25 l	Plastic tank	

Composition: Sodium laurylsulfate: 30 g; EDTA: 18.61 g; Sodium borate: 6.81 g; Hydrogenophosphate disodique: 4.6 g; Glycol monoethylether: 10 ml; Water: QSP 1 L according to NF V18-122**NDF Solution**

• Soluzione NDF • Solution NDF • Solución NDF • Lösung NDF

**Danger**H319-H360FD-HA26
P264-P280-P305+P351+P338-P308+P313-
P337+P313-P501a**NDF Solution > RPE - For agroalimentary analysis****RPE**

Description Clear liquid Density at 20°C 1.010 ÷ 1.025 pH at 20°C 6.10 ÷ 7.10

Code	Size	Packaging	Notes
526920	2.5 l	Glass bottle	
526921	25 l	Plastic tank	

Composition: Sodium laurylsulfate: 30 g; EDTA: 18.61 g; Sodium borate: 6.81 g; Hydrogenophosphate disodique: 4.6 g; Glycol monoethylether: 10 ml; Water: QSP 1l according to NF V18-122**Neocuproine hydrochloride**

• Neocuproina cloridrato • Néocuproïne chlorhydraté • Neocuproina clorhidrato • Neocupronhydrochlorid

Synonym:

2,9-Dimethyl-1,10-phenanthroline hydrochloride

C₁₄H₁₂N₂·HCl·H₂O
Molecular Weight: 244,72 (an.)
CAS: 7296-20-0
EEC-N: 230-732-8**Warning**H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233**Neocuproine hydrochloride > RPE - For analysis****RPE**

Description Yellowish powder Identification Positive Copper sensitivity ≥0.3 µg/ml Assay (non-aqueous medium) ≥99 % s s

Code	Size	Packaging	Notes
444731	1 g	Glass bottle	

**Neodymium standard solution**

• Neodimio standard soluzione • Néodyme solution standard • Neodimio, solución patrón • Neodym-Standardlösung

Classification transportONU: 3267
Transport Hazard class: 8
Packing group III**Neodymium standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505742	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505745	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Neodymium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503761	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503763	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503765	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503767	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Neodymium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507748	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507510	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Nessler's reagent single solution

• Nessler reattivo soluzione unica • Réactif de Nessler solution • Nessler reactivo solución única • Nesslers Reagenzlösung

Classification transport

ONU: 2922
 Transport Hazard class: 8
 Packing group II



Danger

H301-H314-H341-H373-H412
 P280-P301+P310a-P301+P330+P331-
 P303+P361+P353-P304+P340-P305+P351+P338

Nessler's reagent single solution > RPE - For analysis

RPE

Description Yellow clear liquid Identification Positive Sensibilità all'azoto Conform

Code	Size	Packaging	Notes
464231	500 ml	Plastic bottle	
464232	1 l	Plastic bottle	

For the determination of ammonia and ammonium salt



Nessler's reagent solution A

• Nessler reattivo soluzione A • Réactif de Nessler solution A • Nessler reactivo solución A • Nessler Reagenzlösung A

Classification transport

ONU: 3287
 Transport Hazard class: 6.1
 Packing group II



Danger

H301-H311-H373-H411
 P260-P264-P280h-P301+P310a-P330-P361+P364

Nessler's reagent solution A > RPE - For analysis

RPE

Description Yellow clear liquid Identification Positive Density at 20° C ≥1.2

Code	Size	Packaging	Notes
464422	500 ml	Plastic bottle	

For the determination of nitrogen

**Nessler's reagent solution B**

• Nessler reattivo soluzione B • Réactif de Nessler solution B • Nessler reactivo solución B • Natriumhydroxid

Classification transportONU: 1824
Transport Hazard class: 8
Packing group II**Danger**H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Nessler's reagent solution B > RPE - For analysis****RPE**

Description Clear colourless liquid Identification Positive Assay 20.50 ÷ 21.50 % (NaOH)

Code	Size	Packaging	Notes
464432	500 ml	Plastic bottle	

For the determination of nitrogen**Neutral red**

• Rosso neutro • Rouge neutre • Rojo neutro • Neutralrot

Synonym:

3-Amino-7-dimethylamino-2-methylphenazine hydrochloride $C_{15}H_{17}ClN_4$

Molecular Weight: 288,78

CAS: 553-24-2

EEC-N: 209-035-8

Classification transportONU: 3143
Transport Hazard class: 6.1
Packing group III**Warning**H302
P264-P270-P301+P312a-P330-P501a**Neutral red > RPE - For analysis - C.I. 50040****RPE**Description Green-brown powder Loss on drying ≤ 5 % pH range 6.8 ÷ 8.0
Identification Positive Colour change red - yellow

Code	Size	Packaging	Notes
476951	10 g	Glass bottle	

Dye for microscopy (histology, hematology).**Nickel, powder**

• Nichel, polvere • Nickel, poudre • Níquel, polvo • Nickel, Pulver

Ni

Molecular Weight: 58,71

CAS: 7440-02-0

EEC-N: 231-111-4

**Danger**H317-H351-H372
P260-P264-P280-P308+P313-P362+P364-
P333+P313**Nickel, powder > RPE - For analysis****RPE**

Description Polvere metallica Identification Positive Assay ≥ 98 %

Code	Size	Packaging	Notes
464384	100 g	Glass bottle	

**Nickel standard solution**

• Nichel standard soluzione • Nickel solution standard • Níquel, solución patrón • Nickel-Standardlösung

Classification transportONU: 3264
Transport Hazard class: 8
Packing group III**Warning**H290-HEU208
P234-P390-P406**Nickel standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2****RS**

Code	Size	Packaging	Notes
615002001	100 ml	Plastic bottle	A 0.1 ppm solution: to dilute according to Ref Ph.Eur 5002001
615002002	100 ml	Plastic bottle	A 0.2 ppm solution: to dilute according to Ref Ph.Eur 5002002
615002009	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5002000

Nickel standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505752	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505755	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505753	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Nickel standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503771	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503773	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503775	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503777	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Nickel standard solution > RS - Standard solution for AAS

RS

Description Green clear liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507749	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507487	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497575	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497571	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Nickel standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
464271		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Nickel standard solution > RS - Quality control standard solution for AAS (graphite furnace)

RS

Code	Size	Packaging	Notes
504363	50 ml	Plastic bottle	conc. 10 +/- 1 µg/L Matrix: 2% Nitric acid



Nickel (II) acetate tetrahydrate

- Nichel acetato oso tetraidrato • Nickel (II) acétate tétrahydraté • Níquel (II) acetato
- Nickel (II) acetattetrahydrat

Synonym:
Acetic acid nickel(II) salt

Ni(CH₃COO)₂·4H₂O
Molecular Weight: 248,86
CAS: 6018-89-9



Warning

H302-H332-H317-H351
P261-P271-P280-P304+P340-P308+P313-P330

Nickel (II) acetate tetrahydrate > RPE - For analysis

RPE

Description Green powder Cr..... ≤ 5 ppm Mn ≤ 20 ppm Assay 23 ÷ 24 % (Ni)
Identification Positive Cu..... ≤ 10 ppm Pb ≤ 5 ppm
Co ≤ 0.2 % Fe..... ≤ 20 ppm Zn ≤ 10 ppm

Code	Size	Packaging	Notes
464474	100 g	Plastic bottle	
464476	500 g	Plastic bottle	
464477	1 kg	Plastic bottle	



Nickel (II) ammonium sulfate hexahydrate

• Nichel ammonio solfato oso • Nickel (II) ammonium sulfate hexahydraté • Níquel (II) amonio sulfato hexahidratado • Nickel (II) ammoniumsulfathexahydrat

$Ni(NH_4)_2(SO_4)_2 \cdot 6H_2O$
Molecular Weight: 395
CAS: 7785-20-8



Danger

H302-H332-H334-H317-H341-H350i-H360D-H372-H410-HA26
P271-P280-P284-P304+P340-P308+P313-P342+P311a

Nickel (II) ammonium sulfate hexahydrate > RPE - For analysis

RPE

Description .. Green-blue crystalline powder	Nitrate ≤ 100 ppm	Cu ≤ 10 ppm	Zn ≤ 20 ppm
Identification Positive	Subst. not ppt. (NH4)2S ≤ 0.2 %	Fe ≤ 10 ppm	Assay (complexometric) 99 ÷ 100 %
pH sol. 5% at 25° C 4.3 ÷ 4.7	Ca ≤ 50 ppm	K ≤ 200 ppm	
Chloride ≤ 10 ppm	Cd ≤ 20 ppm	Na ≤ 200 ppm	
Water-insoluble matter ≤ 30 ppm	Co ≤ 10 ppm	Pb ≤ 10 ppm	

Code	Size	Packaging	Notes
464545	250 g	Plastic bottle	
464547	1 kg	Plastic bottle	

Low content in cobalt



Nickel (II) carbonate basic

• Nichel carbonato oso basico • Nickel (II) carbonate basique • Níquel (II) carbonato básico • Nickel (II) carbonat basisch

$NiCO_3 \cdot 2Ni(OH)_2 \cdot 4H_2O$
Molecular Weight: 376,23
CAS: 39430-27-8
EEC-N: 235-715-9



Danger

H302-H332-H315-H334-H317-H341-H350i-H360D-H372-H410-HA26
P271-P280-P284-P304+P340-P308+P313-P342+P311a

Nickel (II) carbonate basic > RPE - For analysis

RPE

Description Green powder	Diluted HCl-ins. matter ≤ 500 ppm	Fe ≤ 100 ppm	Assay (complexometric) ≥ 45 % (Ni)
Identification Positive	Co ≤ 0.1 %	Pb ≤ 50 ppm	
Chloride ≤ 0.1 %	Cu ≤ 50 ppm	Zn ≤ 50 ppm	

Code	Size	Packaging	Notes
464604	100 g	Plastic bottle	
464605	1 kg	Plastic bottle	



Nickel (II) chloride hexahydrate

• Nichel cloruro oso esaidrato • Nickel (II) chlorure hexahydraté • Níquel (II) cloruro hexahidratado • Nickel (II) chloridhexahydrat

$NiCl_2 \cdot 6H_2O$
Molecular Weight: 237,7
CAS: 7791-20-0
EEC-N: 231-743-0

Classification transport

ONU: 3288
Transport Hazard class: 6.1
Packing group III



Danger

H301-H334-H317-H351
P261-P280-P284-P301+P310a-P304+P340-P342+P311a

Nickel (II) chloride hexahydrate > RPE - For analysis

RPE

Description Green crystals	Co ≤ 10 ppm	Pb ≤ 5 ppm	Ni ≥ 24 %
Identification Positive	Cu ≤ 10 ppm	Zn ≤ 5 ppm	
Cd ≤ 10 ppm	Fe ≤ 10 ppm	Assay (argentimetric) ≥ 97 %	

Code	Size	Packaging	Notes
464644	100 g	Glass bottle	
464645	250 g	Plastic bottle	
464647	1 kg	Plastic bottle	

Low content in cobalt



Nickel (II) nitrate hexahydrate

• Nichel nitrato oso esaidrato • Nickel (II) nitrate hexahydraté • Níquel (II) nitrato hexahidratado • Nickel (II) nitrathexahydrat

Ni(NO₃)₂·6H₂O
Molecular Weight: 290,81
CAS: 13478-00-7
EEC-N: 236-068-5

Classification transport
ONU: 2725
Transport Hazard class: 5.1
Packing group III



Danger
H272-H302-H334-H317-H351
P210-P261-P280-P284-P304+P340-P342+P311a

Nickel (II) nitrate hexahydrate > RPE - For analysis

RPE

Description	Green crystals	As	≤ 5 ppm	Cu	≤ 10 ppm	S	≤ 10 ppm
Identification	Positive	Ca	≤ 10 ppm	Fe	≤ 10 ppm	Zn	≤ 10 ppm
Water-insoluble matter	≤ 100 ppm	Cd	≤ 1 ppm	Mg	≤ 10 ppm	Assay (complexometric)	≥ 98.5 %
Chloride	≤ 50 ppm	Co	≤ 0.5 %	Mn	≤ 20 ppm		
Al	≤ 10 ppm	Cr	≤ 1 ppm	Pb	≤ 1 ppm		

Code	Size	Packaging	Notes
464685	250 g	Plastic bottle	
464686	1 kg	Plastic bottle	



Nickel (II) nitrate 10g/l

• Nichel nitrato oso 10 g/l • Nickel (II) nitrate 10 g/l • Níquel (II) nitrato 10 g/L • Nickel (II)-nitrát 10g/l

Classification transport
ONU: 3098
Transport Hazard class: 5.1
Packing group II



Danger
H314-H334-H317-H341-H350i-H360D-H372-H411-HA26
P280-P284-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P362+P364-P342+P311a

Nickel (II) nitrate 10g/l > RS - Matrix modifiers for AAS-GTA

RS

Code	Size	Packaging	Notes
503197	50 ml	Plastic bottle	Matrix: 1% Nitric acid



Nickel (II) sulfate hexahydrate

• Nichel solfato oso esaidrato • Nickel (II) sulfat hexahydraté • Níquel (II) sulfato hexahidratado • Nickel (II) sulfathexahydrat

NiSO₄·6H₂O
Molecular Weight: 262,86
CAS: 10101-97-0



Danger
H302-H332-H315-H334-H317-H341-H350i-H360D-H372-H410-HA26
P271-P280-P284-P304+P340-P308+P313-P342+P311a

Nickel (II) sulfat hexahydrate > RPE - For analysis

RPE

Description	Green crystals	Water-insoluble matter	≤100 ppm	Cu	≤10 ppm	Pb	≤10 ppm
Identification	Positive	Subst. not ppt. (NH ₄) ₂ S	≤0.1 %	Fe	≤80 ppm	Zn	≤20 ppm
pH sol. 5% at 25° C	2.5 ÷ 6.5	Ca	≤400 ppm	K	≤500 ppm	Assay (complexometric)	≥99 %
Total nitrogen	≤20 ppm	Cd	≤10 ppm	Mn	≤10 ppm		
Chloride	≤10 ppm	Co	≤5 ppm	Na	≤100 ppm		

Code	Size	Packaging	Notes
464775	250 g	Plastic bottle	
464777	1 kg	Plastic bottle	
464772	25 kg	Plastic bucket	

Low content in cobalt

Nickel (II) sulfat hexahydrate > RE - Pure

RE

Description	Green crystals	Water-insoluble matter	≤0.1 %	Assay (complexometric)	98 ÷ 100 %
Identification	Positive	Fe	≤100 ppm		

Code	Size	Packaging	Notes
355757	1 kg	Plastic bottle	



Nicotinamide

• Nicotinamide • Nicotinamide • Nicotinamida • Niacinamid

Synonym:

- Vitamin B3
- Niacetamide

$C_6H_6ON_2$
Molecular Weight: 122,13
CAS: 98-92-0
EEC-N: 202-713-4



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Nicotinamide > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBapharm

Description	White crystalline powder	Ready carbonizable substances.....Conform USP-NF	pH solution 5%	6.0 ÷ 7.5	Assay (non-aqueous medium).....99.0 ÷ 101.0 % s.s.
Identification	Positive	Organic volatile impurities Conform USP-NF	Loss on drying	≤0.5 %	Assay (HPLC)
Appearance of solution	Conform Ph.Eur.	Melting point.....	Sulphated ash	≤0.1 %	98.5 ÷ 101.5 % s.s.
Related substances	Conform Ph.Eur.		Heavy metals (Pb).....	≤30 ppm	

Code	Size	Packaging	Notes
392304	100 g	Plastic bottle	
392307	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Nicotinic acid

• Acido nicotinic • Acide nicotinique • Acido nicotínico • Nikotinsäure

Synonym:

3-Picolinic acid

N:CHC(COOH):CHCH:CH
Molecular Weight: 123,11
CAS: 59-67-6
EEC-N: 200-441-0



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Nicotinic acid > RPE - For analysis

RPE

Description	White crystalline powder	Chloride.....	≤0.02 %	Residue on ignition.....	≤0.1 %
Identification	Positive	Heavy metals (Pb).....	≤20 ppm	Assay (non-aqueous medium).....	99.5 ÷ 100.5 %
Melting point.....	235.7 ÷ 237.3 ° C	Loss on drying	≤1.0 %	Sulphate.....	≤ 0.1 %

Code	Size	Packaging	Notes
407914	100 g	Plastic bottle	



Nigrosine

• Nigrosina • Nigrosine • Nigrosina • Nigrosine

Synonym:

Acid black 2

CAS: 8005-03-6



Warning

H302-H312-H332
P261-P264-P271-P280h-P301+P312a-P304+P340

Nigrosine > RS - For microscopy - C.I. 50420

RS

Description

black granules Identification

Positive

Code	Size	Packaging	Notes
464852	25 g	Glass bottle	
464853	50 g	Glass bottle	

Ninhydrin
 • Ninidrina • Ninhydrine • Ninhidrina • Ninhydrin

Synonym:
 1,2,3-Indantrione monohydrate

$C_6H_4COCOCO.H_2O$
 Molecular Weight: 178,15
 CAS: 485-47-2
 EEC-N: 207-618-1



Warning
 H302-H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Ninhydrin > RPE - For analysis - ACS

RPE

Description Yellow powder Ident. and melting point Conform Solubility Conform
 Identification Positive Aminoacids sensitivity Conform

Code	Size	Packaging	Notes
464928	5 g	Glass bottle	
464922	25 g	Glass bottle	

Ninhydrin solution
 • Ninidrina solzione • Ninhydrine solution • Ninhidrina solución • Ninhydrinlösung

Synonym:
 1,2,3-Indantrione monohydrate

Classification transport
 ONU: 1993
 Transport Hazard class: 3
 Packing group III



Danger
 H226-H318
 P210-P241-P280-P303+P361+P353-
 P305+P351+P338-P310a

Ninhydrin solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611058304	100 ml	Glass bottle	Ninhydrin solution R1 Ref Ph.Eur 1058304
611058305	100 ml	Glass bottle	Ninhydrin solution R2 Ref Ph.Eur 1058305

Ninhydrin and Tin (II) chloride reagent
 • Ninidrina e stagno cloruro reattivo • Réactif à la ninhydrine et au étain (II) chlorure • Ninhidrina y estaño (II) cloruro reactivo
 • Ninhydrin und Zinn (II) chlorid Reagenz

Ninhydrin and Tin (II) chloride reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611058301	100 ml	Glass bottle	Ref Ph.Eur 1058301

Niobium standard solution
 • Niobio standard soluzione • Niobium solution standard • Niobio, solución patrón • Niob-Standardlösung

Classification transport
 ONU: 2922
 Transport Hazard class: 8
 Packing group II



Danger
 H290-H302-H311-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P361+P364

Niobium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505737	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505738	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Niobium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503751	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
503753	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
503755	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid
503757	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Niobium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507750	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
507511	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Nital solution 4%

• Nital soluzione 4% • Nital solution 4% • Nital solución 4% • Nital-Lösung 4%

Classification transport
ONU: 3316
Transport Hazard class: 9
Packing group II



Danger

H225-H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nital solution 4% > RS - Macrography

RS

Code	Size	Packaging	Notes
505021	1 l	Plastic bottle	

Composition: 4ml HNO₃ 65%; 100ml Ethanol



Nitrate standard solution

• Nitrati standard soluzione • Nitrate solution standard • Nitrato, solución patrón • Nitrat-Standardlösung

Nitrate standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615002101	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5002101
615002102	100 ml	Plastic bottle	A 2 ppm solution: to dilute according to Ref Ph.Eur 5002102
615002109	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5002100

Nitrate standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503331	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503333	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Nitric acid fuming 99%

• Acido nitrico fumante 99% • Acide nitrique fumant 99% • Acido nítrico fumante 99% • Salpetersäure raucht zu 99%

HNO₃
Molecular Weight: 63,01
CAS: 7697-37-2
EEC-N: 231-714-2

Classification transport
ONU: 2031
Transport Hazard class: 8
Packing group I



Danger
H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid fuming 99% > RPE - For analysis

RPE

Description	Clear colourless liquid	Sulfate	≤ 5 ppm	Cu	≤ 100 ppb	Na	≤ 300 ppb
Identification	Conform	Al	≤ 500 ppb	Fe	≤ 200 ppb	Sn	≤ 200 ppb
Assay (HNO ₃)	≥ 99 %	Ca	≤ 300 ppb	Mg	≤ 200 ppb	Zn	≤ 500 ppb
Chloride	≤ 1 ppm	Cr	≤ 200 ppb	K	≤ 200 ppb		

Code	Size	Packaging	Notes
408143	500 ml	Glass bottle PVC coated	
408142	2 l	Glass bottle PVC coated	



Nitric acid 69.5%

• Acido nitrico 69,5% • Acide nitrique 69.5% • Acido nítrico 69.5% • Salpetersäure 69.5%

HNO₃
Molecular Weight: 63,01
CAS: 7697-37-2

Classification transport
ONU: 2031
Transport Hazard class: 8
Packing group II



Danger
H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid 69.5% > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527671	1 l	Plastic bottle	
527670	2.5 l	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis

Nitric acid 69.5% > RS - RSE - For electronic use

RS

Description	Clear colourless liquid	As	≤0.005 ppm	Fe	≤0.1 ppm	Pt	≤0.02 ppm
Identification	Positive	Au	≤0.05 ppm	Ga	≤0.02 ppm	Sb	≤0.01 ppm
Density at 20° C	1.408 ÷ 1.418	B	≤0.01 ppm	In	≤0.02 ppm	Si	≤0.1 ppm
Assay (acidimetric)	69.1 ÷ 69.9 %	Ba	≤0.05 ppm	K	≤0.1 ppm	Sn	≤0.02 ppm
Chloride	≤0.05 ppm	Be	≤0.02 ppm	Li	≤0.02 ppm	Sr	≤0.02 ppm
Phosphate	≤0.1 ppm	Bi	≤0.02 ppm	Mg	≤0.1 ppm	Ta	≤0.1 ppm
Heavy metals (Pb)	≤0.05 ppm	Ca	≤0.1 ppm	Mn	≤0.01 ppm	Ti	≤0.01 ppm
Residue on ignition	≤2 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm	Tl	≤0.02 ppm
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Na	≤0.3 ppm	V	≤0.01 ppm
Ag	≤0.02 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm	Zn	≤0.05 ppm
Al	≤0.05 ppm	Cu	≤0.005 ppm	Pb	≤0.02 ppm	Zr	≤0.01 ppm

Code	Size	Packaging	Notes
408097	1 l	Glass bottle	
408098	2.5 l	Glass bottle	

Nitric acid 69.5% > RS - MOS - For electronic use

RS

Description	Clear colourless liquid	As	≤0.005 ppm	Fe	≤0.1 ppm	Pt	≤0.05 ppm
Identification	Positive	Au	≤0.05 ppm	Ga	≤0.02 ppm	Sb	≤0.01 ppm
Density at 20° C	1.408 ÷ 1.418	B	≤0.01 ppm	In	≤0.02 ppm	Sn	≤0.02 ppm
Assay (acidimetric)	69.1 ÷ 69.9 %	Ba	≤0.05 ppm	K	≤0.1 ppm	Sr	≤0.02 ppm
Chloride	≤0.05 ppm	Be	≤0.02 ppm	Li	≤0.02 ppm	Ta	≤0.1 ppm
Phosphate	≤0.1 ppm	Bi	≤0.02 ppm	Mg	≤0.1 ppm	Ti	≤0.05 ppm
Heavy metals (Pb)	≤0.05 ppm	Ca	≤0.1 ppm	Mn	≤0.01 ppm	Tl	≤0.05 ppm
Residue on ignition	≤2 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm	V	≤0.05 ppm
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Na	≤0.3 ppm	Zn	≤0.05 ppm
Ag	≤0.02 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm	Zr	≤0.05 ppm
Al	≤0.05 ppm	Cu	≤0.005 ppm	Pb	≤0.02 ppm		

Code	Size	Packaging	Notes
408151	1 l	Glass bottle	
408152	2.5 l	Glass bottle	

Product specifications are subject to changes. Please visit our website for updates.

Nitric acid 69.5% > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description	Clear liquid	Nitrite	≤35 ppm	Cd	≤0.005 ppm	Na	≤0.5 ppm
Colour (APHA)	≤10	Silicate	≤1 ppm	Co	≤0.01 ppm	Ni	≤0.05 ppm
Identification	Positive	Sulphate	≤0.5 ppm	Cr	≤0.1 ppm	Pb	≤0.02 ppm
Hg	≤10 ppb	Ag	≤0.02 ppm	Cu	≤0.01 ppm	Sr	≤0.02 ppm
Density at 20° C	1.408 ÷ 1.416	Al	≤0.05 ppm	Fe	≤0.2 ppm	Ti	≤0.1 ppm
Chloride	≤0.1 ppm	As	≤0.005 ppm	K	≤0.1 ppm	Tl	≤0.05 ppm
Residue on evaporation	≤5 ppm	Ba	≤0.1 ppm	Li	≤0.02 ppm	V	≤0.05 ppm
Phosphate	≤0.5 ppm	Be	≤0.02 ppm	Mg	≤0.1 ppm	Zn	≤0.01 ppm
Heavy metals (Pb)	≤0.2 ppm	Bi	≤0.1 ppm	Mn	≤0.01 ppm	Assay (acidimetric)	69.1 ÷ 69.9 %
Sulphated ash	≤4 ppm	Ca	≤5 ppm	Mo	≤0.05 ppm		

Code	Size	Packaging	Notes
408071	1 l	Glass bottle	
408076	1 l	Glass bottle PVC coated	
524530	1 l	Plastic bottle	
408072	2.5 l	Glass bottle	
524531	2.5 l	Plastic bottle	
408075	34 kg	Plastic drum	



Nitric acid 67-70%

• Acido nitrico 67-70% • Acide nitrique 67-70% • Acido nítrico 67-70% • Salpetersäure 67-70%

HNO₃
Molecular Weight: 63,01
CAS: 7697-37-2

Classification transport

ONU: 2031
Transport Hazard class: 8
Packing group II



Danger

H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid 67-70% > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Li	≤ 0.1 ppb	Ce	≤ 0.1 ppb	Pt	≤ 0.5 ppb
Identification	Positive	Mg	≤ 1 ppb	Colour (APHA)	≤ 10	Pr	≤ 0.1 ppb
Chloride	≤ 0.2 ppm	Mn	≤ 0.1 ppb	Cs	≤ 0.1 ppb	Re	≤ 0.1 ppb
Total phosphorus	≤ 0.01 ppm	Hg	≤ 0.1 ppb	Dy	≤ 0.1 ppb	Rh	≤ 0.5 ppb
Total sulphur	≤ 0.3 ppm	Mo	≤ 0.1 ppb	Er	≤ 0.1 ppb	Rb	≤ 0.1 ppb
Co	≤ 0.5 ppb	Ni	≤ 0.1 ppb	Eu	≤ 0.1 ppb	Ru	≤ 0.5 ppb
Sb	≤ 0.5 ppb	Se	≤ 1 ppb	Gd	≤ 0.1 ppb	Sm	≤ 0.1 ppb
Fe	≤ 1 ppb	Ag	≤ 0.1 ppb	Ga	≤ 0.1 ppb	Sc	≤ 0.1 ppb
Ba	≤ 0.1 ppb	Na	≤ 1 ppb	Ge	≤ 0.1 ppb	Te	≤ 0.1 ppb
Be	≤ 0.1 ppb	Sr	≤ 0.1 ppb	Au	≤ 0.1 ppb	Tb	≤ 0.1 ppb
Bi	≤ 0.1 ppb	Th	≤ 0.1 ppb	Hf	≤ 0.1 ppb	Ti	≤ 0.1 ppb
B	≤ 1 ppb	Sn	≤ 0.5 ppb	Ho	≤ 0.1 ppb	Tm	≤ 0.1 ppb
Cd	≤ 0.5 ppb	Ti	≤ 0.5 ppb	In	≤ 0.1 ppb	W	≤ 0.1 ppb
Ca	≤ 1 ppb	U	≤ 0.1 ppb	La	≤ 0.1 ppb	Yb	≤ 0.1 ppb
Cr	≤ 1 ppb	V	≤ 0.5 ppb	Lu	≤ 0.1 ppb	Y	≤ 0.1 ppb
K	≤ 1 ppb	Zn	≤ 0.5 ppb	Nd	≤ 0.1 ppb		
Cu	≤ 0.5 ppb	Zr	≤ 0.1 ppb	Nb	≤ 0.1 ppb		
Pb	≤ 0.1 ppb	Assay (acidimetric)	67 ÷ 70 %	Pd	≤ 0.5 ppb		

Code	Size	Packaging	Notes
408115	500 ml	Plastic bottle	
408116	1 l	Plastic bottle	
408117	2.5 l	Plastic bottle	



Nitric acid 67-69%

• Acido nitrico 67-69% • Acide nitrique 67-69% • Acido nítrico 67-69% • Salpetersäure 67-69%

HNO₃
Molecular Weight: 63,01
CAS: 7697-37-2

Classification transport
ONU: 2031
Transport Hazard class: 8
Packing group II



Danger
H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid 67-69% > RS - Ultrapure - For trace analysis at ppt level

RS

Description	Clear colourless liquid	Mg	≤ 10 ppt	Ce	≤ 10 ppt	Pd	≤ 20 ppt
Identification	Positive	Mn	≤ 10 ppt	Cs	≤ 10 ppt	Pt	≤ 20 ppt
Ag	≤ 10 ppt	Mo	≤ 10 ppt	Dy	≤ 1 ppt	Pr	≤ 1 ppt
Al	≤ 20 ppt	Na	≤ 10 ppt	Er	≤ 1 ppt	Re	≤ 10 ppt
As	≤ 20 ppt	Ni	≤ 20 ppt	Eu	≤ 1 ppt	Rh	≤ 10 ppt
B	≤ 10 ppt	Pb	≤ 10 ppt	Gd	≤ 1 ppt	Rb	≤ 10 ppt
Ba	≤ 10 ppt	Sn	≤ 20 ppt	Ga	≤ 10 ppt	Ru	≤ 20 ppt
Be	≤ 10 ppt	Sr	≤ 10 ppt	Ge	≤ 10 ppt	Sm	≤ 1 ppt
Bi	≤ 10 ppt	Tl	≤ 10 ppt	Au	≤ 20 ppt	Sc	≤ 10 ppt
Ca	≤ 10 ppt	Ti	≤ 10 ppt	Hf	≤ 10 ppt	Te	≤ 1 ppt
Cd	≤ 10 ppt	V	≤ 10 ppt	Ho	≤ 1 ppt	Tb	≤ 1 ppt
Co	≤ 10 ppt	Zn	≤ 10 ppt	In	≤ 1 ppt	Tm	≤ 1 ppt
Cr	≤ 10 ppt	Zr	≤ 10 ppt	La	≤ 1 ppt	W	≤ 10 ppt
Cu	≤ 10 ppt	Assay (acidimetric)	67 ÷ 69 %	Li	≤ 10 ppt	Yb	≤ 1 ppt
Fe	≤ 10 ppt	U	≤ 1 ppt	Lu	≤ 1 ppt	Y	≤ 1 ppt
Hg	≤ 50 ppt	Th	≤ 1 ppt	Nd	≤ 1 ppt		
K	≤ 10 ppt	Sb	≤ 10 ppt	Nb	≤ 1 ppt		

Code	Size	Packaging	Notes
408052	250 ml	Plastic bottle	
408051	500 ml	Plastic bottle	



Nitric acid 67.5 (42° Be)

• Acido nitrico 67.5% (42° Be) • Acide nitrique 67.5% (42° Be) • Acido nítrico 67.5% (42° Be) • Salpetersäure 67.5% (42° Be)

HNO₃
Molecular Weight: 63,01
CAS: 7697-37-2

Classification transport
ONU: 2031
Transport Hazard class: 8
Packing group II



Danger
H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid 67.5 (42° Be) > RPE - For analysis

RPE

Assay (acidimetric)	65.5 - 69.7 %	Heavy metals (Pb)	≤ 0.2 ppm	Co	≤ 0.01 ppm	Na	≤ 0.2 ppm
Identification (I.R.)	Positive	Ag	≤ 0.02 ppm	Cr	≤ 0.1 ppm	Ni	≤ 0.02 ppm
Colour	≤ 10 APHA	Al	≤ 0.05 ppm	Cu	≤ 0.01 ppm	Pb	≤ 0.02 ppm
Density at 20°C	1.39 - 1.42	As	≤ 0.005 ppm	Fe	≤ 0.2 ppm	Sr	≤ 0.02 ppm
Residue on evaporation	≤ 4 ppm	Ba	≤ 0.1 ppm	K	≤ 0.05 ppm	Ti	≤ 0.01 ppm
Silicate	≤ 1 ppm	Be	≤ 0.02 ppm	Li	≤ 0.02 ppm	Tl	≤ 0.02 ppm
Chloride	≤ 0.1 ppm	Bi	≤ 0.1 ppm	Mg	≤ 0.05 ppm	V	≤ 0.01 ppm
Sulphate	≤ 0.5 ppm	Ca	≤ 0.5 ppm	Mn	≤ 0.02 ppm	Zn	≤ 0.05 ppm
Phosphate	≤ 0.5 ppm	Cd	≤ 0.005 ppm	Mo	≤ 0.02 ppm		

Code	Size	Packaging	Notes
528530	5 l	Tank	

Nitric acid 67.5 (42° Be) > RE - Pure

RE

Description	Clear colourless liquid	Residue on ignition	≤ 50 ppm	Heavy metals (Pb)	≤ 10 ppm
Identification	Positive	Chloride	≤ 30 ppm	Fe	≤ 10 ppm
Density at 20° C	1.395 ÷ 1.415	Sulphate	≤ 50 ppm	Assay (acidimetric)	65.0 ÷ 70.0 %

Code	Size	Packaging	Notes
305502	2.5 l	Glass bottle	
305501	40 kg	Plastic tank	
305505	70 kg	Plastic tank	



Nitric acid 65%

• Acido nitrico 65% • Acide nitrique 65% • Acido nítrico 65% • Salpetersäure 65%

HNO₃
Molecular Weight: 63,01
CAS: 7697-37-2

Classification transport
ONU: 2031
Transport Hazard class: 8
Packing group II



Danger
H272-H290-H331-H314-HEU071
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid 65% > RS - RSE - For electronic use

RS

Description	Clear colourless liquid	As	≤0.005 ppm	Fe	≤0.1 ppm	Pt	≤0.05 ppm
Identification	Positive	Au	≤0.05 ppm	Ga	≤0.02 ppm	Sb	≤0.01 ppm
Density at 20° C	1.390 ÷ 1.410	B	≤0.01 ppm	In	≤0.02 ppm	Sn	≤0.02 ppm
Assay (acidimetric)	64.0 ÷ 66.0 %	Ba	≤0.05 ppm	K	≤0.1 ppm	Sr	≤0.02 ppm
Chloride	≤0.05 ppm	Be	≤0.02 ppm	Li	≤0.02 ppm	Ta	≤0.1 ppm
Phosphate	≤0.1 ppm	Bi	≤0.02 ppm	Mg	≤0.1 ppm	Ti	≤0.05 ppm
Heavy metals (Pb)	≤0.05 ppm	Ca	≤0.1 ppm	Mn	≤0.05 ppm	Tl	≤0.05 ppm
Residue on ignition	≤2 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm	V	≤0.05 ppm
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Na	≤0.3 ppm	Zn	≤0.05 ppm
Ag	≤0.02 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm	Zr	≤0.05 ppm
Al	≤0.05 ppm	Cu	≤0.005 ppm	Pb	≤0.02 ppm		

Code	Size	Packaging	Notes
408101	1 l	Glass bottle	
408102	2.5 l	Glass bottle	

Nitric acid 65% > RS - For enviromental analysis - ISO

RS

Description	Clear colourless liquid	Ag	≤0.02 ppm	Cr	≤0.1 ppm	Na	≤0.5 ppm
Identification	Positive	Al	≤0.05 ppm	Cu	≤0.01 ppm	Ni	≤0.05 ppm
Density at 20° C	1.390 ÷ 1.410	As	≤0.005 ppm	Fe	≤0.2 ppm	Pb	≤0.02 ppm
Chloride	≤0.1 ppm	Ba	≤0.1 ppm	Hg	≤0.005 ppm	Sr	≤0.02 ppm
Phosphate	≤0.5 ppm	Be	≤0.02 ppm	K	≤0.1 ppm	Ti	≤0.1 ppm
Heavy metals (Pb)	≤0.2 ppm	Bi	≤0.1 ppm	Li	≤0.05 ppm	Tl	≤0.05 ppm
Residue on ignition	≤4 ppm	Ca	≤0.5 ppm	Mg	≤0.1 ppm	V	≤0.05 ppm
Silicate	≤1 ppm	Cd	≤0.005 ppm	Mn	≤0.01 ppm	Zn	≤0.05 ppm
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Mo	≤0.05 ppm	Assay (acidimetric)	64 ÷ 66 %

Code	Size	Packaging	Notes
407951	1 l	Glass bottle	
407952	2.5 l	Glass bottle	

Low content in Hg

Nitric acid 65% > RPE - For analysis - ISO

RPE

Description	Clear colourless liquid	Ag	≤0.02 ppm	Cr	≤0.1 ppm	Ni	≤0.05 ppm
Identification	Positive	Al	≤0.05 ppm	Cu	≤0.01 ppm	Pb	≤0.02 ppm
Density at 20° C	1.390 ÷ 1.410	As	≤0.005 ppm	Fe	≤0.2 ppm	Sr	≤0.02 ppm
Chloride	≤0.1 ppm	Ba	≤0.1 ppm	K	≤0.1 ppm	Ti	≤0.1 ppm
Phosphate	≤0.5 ppm	Be	≤0.02 ppm	Li	≤0.02 ppm	Tl	≤0.05 ppm
Heavy metals (Pb)	≤0.2 ppm	Bi	≤0.1 ppm	Mg	≤0.1 ppm	V	≤0.05 ppm
Residue on ignition	≤4 ppm	Ca	≤0.5 ppm	Mn	≤0.01 ppm	Zn	≤0.05 ppm
Silicate	≤1 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm	Assay (acidimetric)	64 ÷ 66 %
Sulphate	≤0.5 ppm	Co	≤0.01 ppm	Na	≤0.5 ppm		

Code	Size	Packaging	Notes
408021	1 l	Glass bottle PVC coated	
408022	1 l	Glass bottle	
524535	1 l	Plastic bottle	
408025	2.5 l	Glass bottle	
524536	2.5 l	Plastic bottle	
408027	34 kg	Plastic drum	

Nitric acid 65% > RE - Pure

RE

Description Clear colourless liquid
 Identification Positive
 Density at 20° C 1.390 ÷ 1.410

Chloride ≤10 ppm
 Heavy metals (Pb) ≤10 ppm
 Residue on ignition ≤500 ppm

Sulphate ≤100 ppm
 As ≤1 ppm
 Fe ≤50 ppm

Assay (acidimetric) 64 ÷ 66 %

Code	Size	Packaging	Notes
305201	1 l	Glass bottle	
305207	2.5 l	Glass bottle	
305202	34 kg	Plastic drum	
305205	34 kg	Drum	



Nitric acid 18%

• Acido nítrico 18% • Acide nitrique 18% • Acido nítrico 18% • Salpetersäure 18%

HNO₃
 Molecular Weight: 63,01
 CAS: 7697-37-2

Classification transport
 ONU: 2031
 Transport Hazard class: 8
 Packing group II



Danger
 H290-H332-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Nitric acid 18% > RS - RSE - For electronic use

RS

Assay 17 - 19 %

Code	Size	Packaging	Notes
408191	1 l	Plastic bottle	



Nitric acid 10%

• Acido nítrico 10% • Acide nitrique 10% • Acido nítrico 10% • Salpetersäure 10%

HNO₃
 Molecular Weight: 63,01
 CAS: 7697-37-2

Classification transport
 ONU: 2031
 Transport Hazard class: 8
 Packing group II



Danger
 H290-H332-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Nitric acid 10% > RS - For analysis

RS

Assay 9 - 11 % Density d20/4 1.048 - 1.06

Code	Size	Packaging	Notes
PS0568/41	10 l	Plastic tank	



Nitric acid 8 mol/l (8N)

• Acido nítrico 8 mol/l (8N) • Acide nitrique 8 mol/l (8N) • Acido nítrico 8 mol/l (8N) • Salpetersäure 8 mol/l (8N)

HNO₃
 Molecular Weight: 63,01
 CAS: 7697-37-2

Classification transport
 ONU: 2031
 Transport Hazard class: 8
 Packing group II



Danger
 H290-H331-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P403+P233

Nitric acid 8 mol/l (8N) > RPE - For analysis

RPE

Assay (potentiometry) 7.984 - 8.016 N

Code	Size	Packaging	Notes
PS0311/20	2.5 l	Plastic bottle	

**Nitric acid 2 mol/l (2N)**

• Acido nítrico 2 mol/l (2N) • Acide nitrique 2 mol/l (2N) • Acido nítrico 2 mol/l (2N) • Salpetersäure 2 mol/l (2N)

HNO₃

Molecular Weight: 63,01

CAS: 7697-37-2

Classification transport

ONU: 2031

Transport Hazard class: 8

Packing group II

**Danger**

H290-H332-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Nitric acid 2 mol/l (2N) > RPE - For analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 1.998 - 2.002 N NIST 723.....e

Code	Size	Packaging	Notes
408185000	5 l	Plastic tank	Certified with NIST traceability

Volumetric solution ready-to-use**Nitric acid 1 mol/l (1N)**

• Acido nítrico 1 mol/l (1N) • Acide nitrique 1 mol/l (1N) • Acido nítrico 1 mol/l (1N) • Salpetersäure 1 mol/l (1N)

HNO₃

Molecular Weight: 63,01

CAS: 7697-37-2

Classification transport

ONU: 2031

Transport Hazard class: 8

Packing group II

**Danger**

H290-H332-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Nitric acid 1 mol/l (1N) > RPE - For analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 0.999 - 1.001 N NIST 723.....e

Code	Size	Packaging	Notes
408176000	500 ml	Plastic bottle	Certified with NIST traceability
408171000	1 l	Plastic bottle	Certified with NIST traceability

Volumetric solution ready-to-use**Nitric acid 0.1 mol/l (0.1N)**

• Acido nítrico 0.1 mol/l (0.1N) • Acide nitrique 0.1 mol/l (0.1N) • Acido nítrico 0.1 mol/l (0.1N) • Salpetersäure 0.1 mol/l (0.1N)

HNO₃

Molecular Weight: 63,01

CAS: 7697-37-2

Nitric acid 0.1 mol/l (0.1N) > RPE - For analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 723.....e

Code	Size	Packaging	Notes
408206000	500 ml	Plastic bottle	Certified with NIST traceability

6.301 g of HNO₃. Volumetric solution ready-to-use**Nitric acid 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis****RPE**

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005


Code	Size	Packaging	Notes
408231		Glass ampoule	Volume: 55 ml

6,301 g HNO₃. Volumetric concentrated solution to prepare 1 L of solution 0,1 N

Nitric acid, dilute
 • Acido nitrico diluito • Acide nitrique diluée • Acido nítrico diluido • Salpetersäure verdünnt

HNO₃
 Molecular Weight: 63,01
 CAS: 7697-37-2

Classification transport
 ONU: 2031
 Transport Hazard class: 8
 Packing group II

Danger

 H290-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Nitric acid, dilute > RS - For analysis according to Ph. Eur. Chap. 4.1.1


RS

Code	Size	Packaging	Notes
611058402	100 ml	Plastic bottle	Ref Ph.Eur 1058402
611058409	250 ml	Plastic bottle	Ref Ph.Eur 1058402

Nitric acid cerium salt ▶ Cerium (III) nitrate hexahydrate

Nitrioltriacetic acid
 • Acido nitrilotriacético • Acide nitrilotriacétique • Acido nitrilotriacético • Nitrilotriessigsäure
 Synonym:
 • Nitrioltriacetic acid
 • NTA

N(CH₂COOH)₃
 Molecular Weight: 191,15
 CAS: 139-13-9
 EEC-N: 205-355-7

Warning

 H302
 P264-P270-P301+P312a-P330-P501a

Nitrioltriacetic acid > RPE - For analysis

RPE

Description White powder Identification (I.R.)..... Conform Assay (complexometric)..... ≥ 98.5 %

Code	Size	Packaging	Notes
408242	100 g	Glass bottle	

Nitrite standard solution
 • Nitriti standard soluzione • Nitrite solution standard • Nitrito, solución patrón • Nitrit-Standardlösung

Nitrite standard solution > RS - Standard solution for ion chromatography


RS

Code	Size	Packaging	Notes
503321	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503323	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

m-Nitrobenzaldehyde
 • m-Nitrobenzaldeide • m-Nitrobenzaldéhyde • m-Nitrobenzaldehyde • m-Nitrobenzaldehyd

NO₂C₆H₄CHO
 Molecular Weight: 151,12
 CAS: 99-61-6
 EEC-N: 202-772-6

Warning

 H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

m-Nitrobenzaldehyde > RE - Pure

RE

Description Yellowish crystalline powder Melting point..... 56 ÷ 59 ° C Assay (GLC) ≥ 98.5 %
 Identification Positive Water ≤ 0.5 %

Code	Size	Packaging	Notes
465142	25 g	Glass bottle	

**Nitrobenzene**

• Nitrobenzene • Nitrobenzène • Nitrobencono • Nitrobenzol

C6H5NO2

Molecular Weight: 123,11

CAS: 98-95-3

EEC-N: 202-716-0

Classification transport

ONU: 1662

Transport Hazard class: 6.1

Packing group II

**Danger**H301-H311-H331-H351-H360F-H372-H412-HA26
P271-P280-P304+P340-P308+P313-P330-
P361+P364-P403+P233**Nitrobenzene > RPE - For analysis - ACS****RPE**

Description Yellow clear liquid Identification Positive Assay (GLC) ≥ 98.5 % Refractive index at 20°C. 1.5500 ÷ 1.5530

Code	Size	Packaging	Notes
465222	1 l	Glass bottle	

**m-Nitrobenzoic acid**

• Acido m-nitrobenzoico • Acide m-nitrobenzoïque • Acido m-nitrobenzoico • m-Nitrobenzoesäure

Synonym:

*3-Nitrobenzoic acid*NO2C6H4COOH

Molecular Weight: 167,12

CAS: 121-92-6

EEC-N: 204-508-5

**Warning**

H302

P264-P270-P301+P312a-P330-P501a

m-Nitrobenzoic acid > RPE - For analysis**RPE**

Description Light yellow to light green powder or crystals Identification (I.R.) Positive Melting point 139 - 143 °C Assay (GC) ≥ 97.5 %

Code	Size	Packaging	Notes
408414	100 g	Glass bottle	

**p-Nitrophenol**

• p-Nitrofenolo • p-Nitrophenól • p-Nitrofenol • p-Nitrophenol

Synonym:

*4-Nitrophenol*NO2C6H4OH

Molecular Weight: 139,11

CAS: 100-02-7

EEC-N: 202-811-7

Classification transport

ONU: 1663

Transport Hazard class: 6.1

Packing group III

**Warning**

H302-H312-H332-H373

P260-P264-P271-P280h-P301+P312a-P304+P340

p-Nitrophenol > RPE - For analysis**RPE**Description Yellow crystals Sensitivity (pH 5.6-7.6) Conform Water ≤ 0.9 %
Identification Positive Melting point 109 ÷ 114 °C Colour change Colourless-yellow

Code	Size	Packaging	Notes
465744	100 g	Glass bottle	

Acid-base indicator**p-Nitrophenol solution 0,1% in water**• p-Nitrofenolo soluzione 0.1% in acqua • p-Nitrophenól solution 0.1% dans l'eau
• p-Nitrofenol solución 0.1% en agua • p-Nitrophenol-Lösung 0.1% in Wasser

Synonym:

*4-Nitrophenol***p-Nitrophenol solution 0,1% in water > RPE - For analysis****RPE**

Description Yellow clear liquid Identification Positive pH range 5.0 - 7.0

Code	Size	Packaging	Notes
E465776	500 ml	Bottle	



Nonylphenol ethoxylated 10 ETO

- Nonilfenolo etossilato 10 ETO • Nonylphénol éthoxylate 10 ETO • Nonilfenol etoxilato 10 ETO
- Nonylphenol ethoxylated - 10 ETO

Synonym:
4-Nonylphenyl-polyethylene glycol

CAS: 9016-45-9
EEC-N: 500-024-6



Warning

H302-H315-H319-H411
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Nonylphenol ethoxylated 10 ETO > RS - Standard for detection of surfactants

RS

DescriptionYellow liquid Identification Positive Assay (at production)≥90 %

Code	Size	Packaging	Notes
466361	10 g	Glass bottle	



Nuclear fast red

- Rosso solido nucleare • Rouge nucléaire • Rojo nuclear sólido • Nuklear schnell rot

Synonym:
4-Amino-9,10-dihydro-1,3-dihydroxy-9,10-dioxo-
2-anthracenesulfonic acid sodium salt

$C_{14}H_8NNaO_7S$
Molecular Weight: 357,28
CAS: 6409-77-4
EEC-N: 229-088-0

Nuclear fast red > RS - For microscopy - C.I. 60760

RS

DescriptionRed brown powder Identification Positive

Code	Size	Packaging	Notes
477011	10 g	Glass bottle	
477012	25 g	Glass bottle	

Dye for cytology

**n-Octane**

• n-Ottano • n-Octane • n-Octano • n-Octan

CH₃(CH₂)₆CH₃
 Molecular Weight: 114,23
 CAS: 111-65-9
 EEC-N: 203-892-1

Classification transport
 ONU: 1262
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H315-H336-H304-H410
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

n-Octane > RPE - For analysis - Reag. Ph. Eur.**RPE**

Description Clear colourless liquid
 Identification Positive
 Ready carbonizable substances..... Conform
 Density at 20° C 0.697 ÷ 0.707
 Refractive index at 20°C. 1.3940 ÷ 1.4010
 Boiling point..... 125.0 ÷ 126.0 ° C
 Water (K.F.) ≤100 ppm
 Residue on evaporation ≤10 ppm
 Acidity (caprylic acid)..... ≤17 ppm
 Alkalinity (NH₃)..... ≤0.2 ppm
 Subst. reducing KMnO₄ ≤20 ppm (5m)
 Total sulphur ≤50 ppm
 Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
467562	1 l	Glass bottle	

n-Octane > RE - Pure**RE**

Description Clear colourless liquid
 Identification Positive
 Colour ≤ 10 APHA
 Density at 20° C 0.697 ÷ 0.707
 Refractive index at 20°C. 1.3925 ÷ 1.4025
 Boiling point..... 124.5 ÷ 126.5 ° C
 Residue on evaporation ≤30 ppm
 Acidity (caprylic acid)..... ≤50 ppm
 Total sulphur ≤50 ppm
 Assay (GLC) ≥95 %

Code	Size	Packaging	Notes
356661	1 l	Glass bottle	
356663	2.5 l	Glass bottle	

**Octane 80 blend**

• Miscela ottano 80 • Mélange octane 80 • Mezcla octano 80 • Octan 80-Mischung

CH₃(CH₂)₆CH₃
 Molecular Weight: 114,23
 CAS: 111-65-9

Classification transport
 ONU: 3295
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H315-H336-H304-H410
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Octane 80 blend > RE - ASTM**RE**

Clear, colourless liquid Conform
 Isooctane (ASTM) 79.9 - 80.1 % (V/V)
 n-Heptane (ASTM) 19.9 - 20.1 % (V/V)

Code	Size	Packaging	Notes
525992	5 l	Plastic tank	
525993	25 l	Metal drum	
525994	140 kg	Drum	

Suitable for ASTM methods D2700 and D2699**1-Octanesulphonic acid sodium salt**

• Acido 1-octansolfonico sale sodico • Acide 1-octanesulfonique sel sodique • Acido 1-octanosulfónico sal sódica • 1-Octansulfonsäure-Natriumsalz

C₈H₁₇NaO₃S
 Molecular Weight: 216,28
 CAS: 5324-84-5
 EEC-N: 226-195-4

1-Octanesulphonic acid sodium salt > RS - For ion pair chromatography**RS**

Description White crystalline powder
 Water (K.F.) ≤ 2 %
 Assay ≥ 98 %
 Absorbance (0,25M)
 At 200 nm ≤ 0.10 AU
 At 210 nm ≤ 0.05 AU
 At 220 nm ≤ 0.04 AU
 At 230 nm ≤ 0.03 AU
 At 240 nm ≤ 0.01 AU
 At 250 nm ≤ 0.01 AU
 At 260 nm ≤ 0.01 AU

Code	Size	Packaging	Notes
405861	25 g	Glass bottle	
405862	100 g	Plastic bottle	
405863	1 kg	Plastic bottle	



1-Octanesulfonic acid sodium salt monohydrate

- Acido 1-octansolfonico sale sodico monoidrato • Acide octanesulfonique sel sodique monohydraté
- Acido 1-octanosulfónico sal sódica monohidrato • 1-Octansulfonsäure-Natriumsalz-Monohydrat

Synonym:
Sodium 1-octanesulfonate monohydrate

$\text{CH}_3(\text{CH}_2)_7\text{SO}_3\text{Na}\cdot\text{H}_2\text{O}$
Molecular Weight: 234,29
CAS: 207596-29-0

1-Octanesulfonic acid sodium salt monohydrate > RS - For ion pair chromatography

RS

Description White crystalline powder Absorbance (0,25M) At 220 nm ≤ 0.1 AU At 250 nm ≤ 0.05 AU
Loss on drying 7.0 - 9.0 % At 200 nm ≤ 0.3 AU At 230 nm ≤ 0.075 AU At 260 nm ≤ 0.04 AU
Assay ≥ 99.0 % At 210 nm ≤ 0.2 AU At 240 nm ≤ 0.05 AU

Code	Size	Packaging	Notes
405931	25 g	Glass bottle	
405932	100 g	Plastic bottle	

Octanoic acid ► n-Caprylic acid



Octanol-1

- Alcole n-ottilico • Octanol-1 • Octanol-1 • 1-Octanol

Synonym:
• 1-Octanol
• Capryl alcohol

$\text{CH}_3(\text{CH}_2)_6\text{CH}_2\text{OH}$
Molecular Weight: 130,23
CAS: 111-87-5
EEC-N: 203-917-6



Warning

H302-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Octanol-1 > RPE - For analysis

RPE

Description Clear colourless liquid Density at 25° C 0.815 ÷ 0.830 Boiling point 194.0 ÷ 196.0 °C Assay (GLC) ≥ 99 %
Identification Positive Refractive index at 20°C 1.425 ÷ 1.440 Melting point -16 ÷ -14 °C

Code	Size	Packaging	Notes
415002	100 ml	Glass bottle	
415003	1 l	Glass bottle	
415004	30 l	Plastic drum	



Oil of cedar wood

- Olio di legno cedro condensato • Huile de cèdre condensée • Aceite de cedro condensado
- Öl aus Zedernholz

Synonym:
• Cedar oil
• Cedarwood oil

CAS: 8002-27-9



Warning

H317-H412
P261-P280g-P302+P352a-P362+P364-P333+P313-
P501a

Oil of cedar wood > RS - For microscopy

RS

Description Yellow colourless liquid Identification Positive Density at 20°C 0.990 ÷ 1.010 Refractive index at 20°C 1.515 - 1.520

Code	Size	Packaging	Notes
466753	100 ml	Glass bottle	
466757	1 l	Glass bottle	

Immersion medium for microscopy

Oil Red O ► Red for oils O

**Oil refined of almonds**

- Olio di mandorla raffinato • Huile d'amande raffinée • Aceite refinado de almendras
- Aus Mandeln raffiniertes Öl

Synonym:
Almond oil

CAS: 8007-69-0

Oil refined of almonds > ERBApharm - According to pharmacopeia: NF**ERBApharm**

Description Yellow colourless liquid Relative density 0.910 ÷ 0.915 Peroxide value ≤ 5.0 Composition of fatty acids (GC) Conform NF
 Identification Positive Acid value ≤ 0.5 Not saponifiable matt ≤ 0.9 % Sterol composition Conform NF

Code	Size	Packaging	Notes
356251	1 l	Glass bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Oleic acid**

- Acido oleico • Acide oléique • Acido oleico • Olsäure

Synonym:
• cis-9-Octadecenoic acid
• Elainic acid

$\text{CH}_2(\text{CH}_2)_7\text{CH}:\text{CH}(\text{CH}_2)_7\text{COOH}$
 Molecular Weight: 282,45
 CAS: 112-80-1
 EEC-N: 204-007-1

**Warning**

H315-H319-H335
 P261-P271-P304-P340-P305+P351+P338-
 P332+P313-P403+P233

Oleic acid > RE - Pure**RE**

Description Clear yellow liquid Density at 20° C 0.890 ÷ 0.910 Iodine value ≥ 89 g / 100g
 Identification Positive Acid value ≥ 195 mg KOH / g

Code	Size	Packaging	Notes
305704	1 l	Glass bottle	
305701	24 kg	Metal drum	

**Orange G**

- Arancio G • Orange G • Naranja G • Orange G

Synonym:
• 1-Phenylazo-2-naphthol-6,8-disulfonic acid disodium salt
• Acid orange 10

$\text{C}_{16}\text{H}_{10}\text{N}_2\text{Na}_2\text{O}_6\text{S}_2$
 Molecular Weight: 452,36
 CAS: 1936-15-8
 EEC-N: 217-705-6

Orange G > RS - For microscopy - C.I. 16230**RS**

Description Red-orange powder Identification Positive Maximum absorption 470 ÷ 520 nm Loss on drying at 110°C ≤ 10.00 %

Code	Size	Packaging	Notes
423432	25 g	Glass bottle	

Dye for cytology**Orange II**

- Arancio II • Orange II • Naranja II • Orange II

Synonym:
Acid Orange 7

$\text{C}_{16}\text{H}_{11}\text{N}_2\text{NaO}_4\text{S}$
 Molecular Weight: 350,33
 CAS: 633-96-5
 EEC-N: 211-199-0

Orange II > RPE - For analysis - C.I. 15510**RPE**

Description Orange red powder Identification Positive

Code	Size	Packaging	Notes
423341	10 g	Glass bottle	

Dye for microscopy (histology). Indicator acid - base (pH 11.0 ÷ 13.0). For the extraction and determination of cationic surfactants

Orcein
 • Orceina • Orcéine • Orceina • Orcein
 Synonym:
 Natural Red 28

CAS: 1400-62-0
 EEC-N: 215-750-6



Warning
 H302
 P264-P270-P301+P312a-P330-P501a

Orcein > RS - For microscopy - C.I. Natural Red 28

RS

Description Brown powder Identification Positive

Code	Size	Packaging	Notes
466858	5 g	Glass bottle	
466859	25 g	Glass bottle	

Dye for botanical and histology

Orcinol monohydrate
 • Orcina monodrato • Orcinol • Orcina monohidrato • Orcinol monohydrate
 Synonym:
 3,5-Dihydroxytoluene | 5-Methylresorcinol

C₇H₈O₂·H₂O
 Molecular Weight: 142,15
 CAS: 6153-39-5



Warning
 H302-H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Orcinol monohydrate > RPE - For analysis

RPE

Description White powder or pinkish Melting point 56 ÷ 61 °C Residue on ignition ≤ 0.1 %
 Identification Positive Water (K.F.) 10 ÷ 14 % Assay (GLC) ≥ 98.5 %

Code	Size	Packaging	Notes
466908	5 g	Glass bottle	

Organic standard PCB
 • Standard organico PCB • Standard organique PCB • Patrones orgánicos PCB • Organisch standard: PCB

Organic standard PCB > RS - For environmental analysis

RS

Code	Size	Packaging	Notes
507127	1 ml	Glass ampoule	PCB 29 [15862-07-4] 10µg/ml in isooctane
507128	1 ml	Glass ampoule	PCB 30 [35693-92-6] 10µg/ml in isooctane
507129	1 ml	Glass ampoule	PCB 73 [74338-23-1] 10µg/ml in isooctane
507131	1 ml	Glass ampoule	PCB 89 [73575-57-2] 10µg/ml in isooctane
507132	1 ml	Glass ampoule	PCB 90 [68194-07-0] 10µg/ml in isooctane
507133	1 ml	Glass ampoule	PCB 106 [70424-69-0] 10µg/ml in isooctane
507134	1 ml	Glass ampoule	PCB 164 [74472-45-0] 10µg/ml in isooctane
507135	1 ml	Glass ampoule	PCB 143 [68194-15-0] 10µg/ml in isooctane
507136	1 ml	Glass ampoule	PCB 155[33979-03-2] 10µg/ml in isooctane
507137	1 ml	Glass ampoule	PCB 198 [68194-17-2] 10µg/ml in isooctane
507138	1 ml	Glass ampoule	PCB 207 [52663-79-3] 10µg/ml in isooctane
507139	1 ml	Glass ampoule	PCB 209 [2051-24-3] 10µg/ml in isooctane
507154	1 ml	Glass ampoule	PCB 209 [2051-24-3] 100µg/ml in isooctane

Custom formulations of organic substances are available. Contact us for more details.


Organic Standard: PAH multielement mixture

- Standard organico: PAH mix • Standard organique: mélange multiéléments HAP • Patrones orgánicos : mezcla multi-HAP
- Organisch standard: PAH Multielement-Mischung

Organic Standard: PAH multielement mixture > RS - For environmental analysis
RS

Code	Size	Packaging	Notes
507063	5 x 1 ml	Glass ampoule	15 components 50µg/ml each in acetonitrile: Acenaphthene [CAS:83-32-9]; Anthracene [CAS:120-12-7]; Benzo(a)anthracene [CAS:56-55-3]; Benzo(a)pyrene [CAS:50-32-8]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(g,h,i)perylene [CAS:191-24-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Chrysene [CAS:218-01-9]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Fluoranthene [CAS:206-44-0]; Fluorene [CAS:86-73-7]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Naphthalene [CAS:91-20-3]; Phenanthrene [CAS:85-01-8]; Pyrene [CAS:129-00-0]
506835	10 x 1 ml	Glass ampoule	13 components in acetonitrile/ acetone 95/5: Phenanthrene [CAS:85-01-8] 600µg/ml; Anthracene [CAS:120-12-7] 40µg/ml; Fluoranthene [CAS:206-44-0] 160µg/ml; Pyrene [CAS:129-00-0] 160µg/ml; Benzo(a)anthracene [CAS:56-55-3] 20µg/ml; Chrysene [CAS:218-01-9] 80µg/ml; (95/5) Benzo(b)fluoranthene [CAS:205-99-2] 20µg/ml; Benzo(k)fluoranthene [CAS:207-08-9] 10µg/ml; Benzo(j)fluoranthene [CAS:205-82-3] 20µg/ml; Benzo(a)pyrene [CAS:50-32-8] 20µg/ml; Dibenzo(a,h)anthracene [CAS:53-70-3] 10µg/ml; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 12µg/ml; Benzo(g,h,i)perylene [CAS:191-24-2] 20µg/ml
506878	1 ml	Glass ampoule	19 components 100 µg/ml each in acetonitrile: Naphthalene [CAS:91-20-3]; Acenaphthylene [CAS:208-96-8]; 1-Methylnaphthalene [CAS:90-12-0]; 2-Methylnaphthalene [CAS:91-57-6]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; 2-Methyl-Fluoranthene [CAS:33543-31-6]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Dibenzo(a,h)anthracene [CAS:53-70-3]
506938	1 ml	Glass ampoule	23 components 1 µg/ml each in methanol: Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Naphthalene [CAS:91-20-3]; Benzo(a)pyrene [CAS:50-32-8]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(g,h,i)perylene [CAS:191-24-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Biphenyl [CAS:92-52-4]; Acenaphthene [CAS:83-32-9]; Acenaphthylene [CAS:208-96-8]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Fluorene [CAS:86-73-7]; 2-Methylnaphthalene [CAS:91-57-6]; 2-Methyl-Fluoranthene [CAS:33543-31-6]; Phenanthrene [CAS:85-01-8]; Pyrene [CAS:129-00-0]; 1-Benzothiophene [CAS:95-15-8]; Dibenzothiophene [CAS:132-65-0]; Benzo(e)pyrene [CAS:192-97-2]; Perylene [CAS:198-55-0]
506979	1 ml	Glass ampoule	6 components in acetonitrile: Fluoranthene [CAS:206-44-0] 2mg/l; Benzo(b)fluoranthene [CAS:205-99-2] 2mg/l; Benzo(k)fluoranthene [CAS:207-08-9] 2mg/l; Benzo(a)pyrene [CAS:50-32-8] 2mg/l; Benzo(g,h,i)perylene [CAS:191-24-2] 10mg/l; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 10mg/l
506980	1 ml	Glass ampoule	15 components in acetonitrile: Acenaphthene [CAS:83-32-9] 5mg/l; Fluorene [CAS:86-73-7] 5mg/l; Fluoranthene [CAS:206-44-0] 5mg/l; Benzo(a)anthracene [CAS:56-55-3] 5mg/l; Chrysene [CAS:218-01-9] 5mg/l; Benzo(b)fluoranthene [CAS:205-99-2] 5mg/l; Benzo(a)pyrene [CAS:50-32-8] 5mg/l; Dibenzo(a,h)anthracene [CAS:53-70-3] 5mg/l; Benzo(g,h,i)perylene [CAS:191-24-2] 10mg/l; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 10mg/l; 2-Methylnaphthalene [CAS:91-57-6] 10mg/l; 2-Methyl-Fluoranthene [CAS:33543-31-6] 10mg/l; Anthracene [CAS:120-12-7] 2mg/l; Benzo(k)fluoranthene [CAS:207-08-9] 2mg/l; Pyrene [CAS:129-00-0] 20mg/l

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Code	Size	Packaging	Notes
507094	1 ml	Glass ampoule	19 components in Methanol: 2-Methylnaphthalene [CAS:91-57-6] 40mg/l; Anthracene [CAS:120-12-7] 20mg/l; Fluoranthene [CAS:206-44-0] 20mg/l; 2-Methyl-Fluoranthene [CAS:33543316] 20mg/l; Benzo(a)anthracene [CAS:56-55-3] 20mg/l; Benzo(b)fluoranthene [CAS:205-99-2] 20mg/l; Benzo(k)fluoranthene [CAS:207-08-9] 20mg/l; Benzo(a)pyrene [CAS:50-32-8] 20mg/l; Dibenzo(a,h)anthracene [CAS:53-70-3] 20mg/l; Benzo(g,h,i)perylene [CAS:191-24-2] 20mg/l; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5] 20mg/l; Benzo(b)chrysene [CAS:214-17-5] 2mg/l; Naphthalene [CAS:91-20-3] 40mg/l; Acenaphthene [CAS:83-32-9] 40mg/l; Fluorene [CAS:86-73-7] 20mg/l; Phenanthrene [CAS:85-01-8] 20mg/l; Pyrene [CAS:129-00-0] 20mg/l; Chrysene [CAS:218-01-9] 20mg/l; Acenaphthylene [CAS:208-96-8] 400mg/l
507859	1.5 ml	Glass ampoule	15 components 1 µg/ml each in dichloromethane: Naphthalene [CAS:91-20-3]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]
507899	1.5 ml	Glass ampoule	15 components 1 µg/ml each in dichloromethane: Naphthalene [CAS:91-20-3]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]
506821	10 ml	Glass ampoule	19 components 10mg/l each in methanol: Naphthalene [CAS:91-20-3]; Acenaphthylene [CAS:208-96-8]; Acenaphthene [CAS:83-32-9]; Fluorene [CAS:86-73-7]; Phenanthrene [CAS:85-01-8]; Anthracene [CAS:120-12-7]; Fluoranthene [CAS:206-44-0]; Pyrene [CAS:129-00-0]; Benzo(a)anthracene [CAS:56-55-3]; Chrysene [CAS:218-01-9]; Benzo(b)fluoranthene [CAS:205-99-2]; Benzo(k)fluoranthene [CAS:207-08-9]; Benzo(a)pyrene [CAS:50-32-8]; Dibenzo(a,h)anthracene [CAS:53-70-3]; Benzo(g,h,i)perylene [CAS:191-24-2]; Indeno(1,2,3-c,d)pyrene [CAS:193-39-5]; Benzo(e)pyrene [CAS:192-97-2]; 2-Methylnaphthalene [CAS:91-57-6]; 2-Methyl-Fluoranthene [CAS:33543-31-6]

Custom formulations of organic substances are available. Contact us for more details.

**Organic Standard: PCB multielement mixture**

- Standard organico: PCB mix • Standard organique: mélange multielements PCB • Patrones orgánicos : mezcla multi-PCB
- Organisch standard: PCB Multielement-Mischung

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H315-H336-H304-H410
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Organic Standard: PCB multielement mixture > RS - For environmental analysis**RS**

Code	Size	Packaging	Notes
507103	5 x 1 ml	Glass ampoule	7 components 10 µg/ml each in isooctane: PCB 28 [CAS:7012-37-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 118 [CAS:31508-00-6]; PCB 138 [CAS:35065-28-2]; PCB 153 [CAS:35065-27-1]; PCB 180 [CAS:35065-29-3]
507609	1 ml	Glass ampoule	2 components 100 µg/ml each in isooctane: PCB 30 [CAS:35693-92-6]; PCB 155 [CAS:33979-03-2]
507679	1 ml	Glass ampoule	8 components 100 µg/ml each in hexane: PCB 28 [CAS:7012-37-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 118 [CAS:31508-00-6]; PCB 138 [CAS:35065-28-2]; PCB 153 [CAS:35065-27-1]; PCB 180 [CAS:35065-29-3]; PCB 194 [CAS:35694-08-7]
507062	1.2 ml	Glass ampoule	14 components 10 mg/l each in hexane: PCB 28 [CAS:7012-37-5]; PCB 31 [CAS:16606-02-3]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 105 [CAS:32598-14-4]; PCB 118 [CAS:31508-00-6]; PCB 132 [CAS:38380-05-1]; PCB 138 [CAS:35065-28-2]; PCB 149 [CAS:38380-04-0]; PCB 153 [CAS:35065-27-1]; PCB 160 [CAS:41411-62-5]; PCB 163 [CAS:74472-44-9]; PCB 180 [CAS:35065-29-3]; PCB 193 [CAS:69782-91-8]
506732	5 ml	Glass ampoule	19 components in ethyle acetate: PCB 18 [CAS:37680-65-2] 0.34mg/l; PCB 28 [CAS:7012-37-5] 0.6mg/l; PCB 52 [CAS:35693-99-3] 0.9mg/l; PCB 77 [CAS:32598-13-3] 2.2mg/l; PCB 81 [CAS:70362-50-4] 3.3mg/l; PCB 101 [CAS:37680-73-2] 2.28mg/l; PCB 105 [CAS:32598-14-4] 2.6mg/l; PCB 114 [CAS:74472-37-0] 9.6mg/l; PCB 118 [CAS:31508-00-6] 2.6mg/l; PCB 123 [CAS:65510-44-3] 2.7mg/l; PCB 126 [CAS:57465-28-8] 3mg/l; PCB 138 [CAS:35065-28-2] 6mg/l; PCB 153 [CAS:35065-27-1] 5mg/l; PCB 156 [CAS:38380-08-4] 5mg/l; PCB 157 [CAS:69782-90-7] 7mg/l; PCB 167 [CAS:52663-72-6] 8mg/l; PCB 169 [CAS:32774-16-6] 10mg/l; PCB 180 [CAS:35065-29-3] 10mg/l; PCB 189 [CAS:39635-31-9] 7mg/l
507889	5 ml	Glass ampoule	14 components 1 mg/l each in hexane: PCB 28 [CAS:7012-37-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 153 [CAS:35065-27-1]; PCB 138 [CAS:35065-28-2]; PCB 180 [CAS:35065-29-3] PCB 194 [CAS:35694-08-7]; 1,2,4-Trichlorobenzene [CAS:120-82-1]; Hexachloro-1, 3-butadiene [CAS:87-68-3]; Hexachlorobenzene [CAS:118-74-1]; Alpha-HCH [CAS:319-84-6]; Beta-HCH [CAS:319-85-7]; Gamma-HCH (Lindane) [CAS:58-89-9]; Delta-HCH [CAS:319-86-8]
507115	10 ml	Glass ampoule	14 components 10 µg/ml each in isooctane according to EN 61619: PCB 18 [CAS:37680-65-2]; PCB 28 [CAS:7012-37-5]; PCB 31 [CAS:16606-02-3]; PCB 44 [CAS:41464-39-5]; PCB 52 [CAS:35693-99-3]; PCB 101 [CAS:37680-73-2]; PCB 118 [CAS:31508-00-6]; PCB 138 [CAS:35065-28-2]; PCB 149 [CAS:38380-04-0]; PCB 153 [CAS:35065-27-1]; PCB 170 [CAS:35065-30-6]; PCB 180 [CAS:35065-29-3]; PCB 194 [CAS:35694-08-7]; PCB 209 [CAS:2051-24-3]
509144	10 ml	Glass ampoule	PCB 138 [35065-28-2] 50µg/ml in isooctane
509145	10 ml	Glass ampoule	PCB 153 [35065-27-1] 50µg/ml in isooctane
509146	10 ml	Glass ampoule	PCB 18 [37680-65-2] 50µg/ml in isooctane
509147	10 ml	Glass ampoule	PCB 28 [7012-37-5] 50µg/ml in isooctane
509148	10 ml	Glass ampoule	PCB 52 [35693-99-3] 50µg/ml in isooctane

Custom formulations of organic substances are available. Contact us for more details.



Organic standard: Pesticide mixture

- Standard organico: Pesticidi mix • Standard organique: mélange de pesticides • Patrones orgánicos : mezcla de pesticidas
- Organisch standard: Pestizidmischung

Organic standard: Pesticide mixture > RS - For environmental analysis

RS

Code	Size	Packaging	Notes
506897	1 ml	Glass ampoule	45 components 10mg/ml each in cyclohexane/acetone: Acetochlor [CAS:34256-82-1]10mg/l; Aclonifen [CAS:74070-46-5] 10mg/l; Alachlor [CAS:15972-60-8] 10mg/l; Bifenthrin [CAS:82657-04-3] 10mg/l; Cadusafos [CAS:95465-99-9] 10mg/l; Captan [CAS:133-06-2] 10mg/l; Carbofuran [CAS:1563-66-2] 10mg/l; Chlorfenvinphos [CAS:470-90-6]10mg/l; Chlormephos [CAS:24934-91-6] 10mg/l; Chlorothalonil [CAS:1897-45-6] 10mg/l Chlorpyrifos [CAS:2921-88-2] 10mg/l; Chlorpyrifos methyl [CAS:5598-13-0] 10mg/l; lambda-Cyhalothrin [CAS:91465-08-6] 10mg/l; Cypermethrin [CAS:52315-07-8]10mg/l; Delta-HCH [CAS:319-86-8] 10mg/l; Diazinon [CAS:333-41-5] 10mg/l; Dichlobenil [CAS:1194-65-6] 10mg/l; Dinoterb [CAS:1420-07-1] 10mg/l; Endosulfan-total (sulfate) [CAS:1031-07-8] 10mg/l; Fipronil [CAS:120068-37-3] 10mg/l; Folpet [CAS:133-07-3] 10mg/l; Heptachlor-endo-epoxide [CAS:28044-83-9] 10mg/l; Hexachloro-1,3-butadiene [CAS:87-68-3]10mg/l; Iprodione [CAS:36734-19-7] 10mg/l; Isofenphos [CAS:25311-71-1]10mg/l; Malathion [CAS:121-75-5] 10mg/l; Metazachlor [CAS:67129-08-2] 10mg/l; Oxadiazon [CAS:19666-30-9] 10mg/l; Oxyfluorfen [CAS:42874-03-3] 10mg/l; Parathion (Parathion-ethyl) [CAS:56-38-2] 10mg/l; Parathion-methyl [CAS:298-00-0] 10mg/l; Pendimethalin [CAS:40487-42-1] 10mg/l; Pentachlorobenzene [CAS:608-93-5] 10mg/l; Procymidone [CAS:32809-16-8] 10mg/l; Propachlor [CAS:1918-16-7] 10mg/l; Tebutam [CAS:35256-85-0] 10mg/l; Tefluthrin [CAS:79538-32-2] 10mg/l; Terbufos [CAS:13071-79-9] 10mg/l; Tolyfluanid [CAS:731-27-1] 10mg/l; Triazophos [CAS:24017-47-8] 10mg/l; Trifluralin [CAS:1582-09-8] 10mg/l; Vinclozolin [CAS:50471-44-8] 10mg/l; Piperonyl butoxide [CAS:51-03-6] 10mg/l; Metolachlor [CAS:51218-45-2] 5mg/l; S-Metolachlor [CAS:87392-12-9] 5mg/l

Code	Size	Packaging	Notes
506905	1 ml	Glass ampoule	79 components in acetone: Bifenthrin [CAS:82657-04-3] 120µg/ml; lambda-Cyhalothrin [CAS:91465-08-6] 100µg/ml; Cypermethrin [CAS:5231 5-07-8] 130µg/ml; Deltamethrin [CAS:52918-63-5] 130µg/ml; Fenvalerate [CAS:51630-58-1] 105µg/ml; Permethrin [CAS:52645-53-1] 100µg/ml; tau-Fluvalinate [CAS:102851-06-9] 100µg/ml; Tetramethrin [CAS:7696-12-0] 100µg/ml; Aldrin [CAS:309-00-2] 20µg/ml; cis-Chlordane [CAS:5103-71-9] 20µg/ml; trans-Chlordane [CAS:5103-74-2] 20µg/ml; 2,4'-DDD [CAS:53-19-0] 20µg/ml; 4,4'-DDD (TDE) [CAS:72-54-8] 20µg/ml; 2,4'-DDE [CAS:3424-82-6] 20µg/ml; 4,4'-DDE [CAS:72-55-9] 20µg/ml; 2,4'-DDT [CAS:789-02-6] 20µg/ml; 4,4'-DDT [CAS:50-29-3] 20µg/ml; Dieldrin [CAS:60-57-1] 20µg/ml; Endosulfan-alpha [CAS:959-98-8] 20µg/ml; Endosulfan-beta [CAS:33213-65-9] 20µg/ml; Endosulfan-total (sulfate) [CAS:1031-07-8] 20µg/ml; Endrin [CAS:72-20-8] 20µg/ml; Endrin aldehyde [CAS:7421-93-4] 20µg/ml; Alp ha-HCH [CAS:319-84-6] 20µg/ml; Beta-HCH [CAS:319-85-7] 20µg/ml; Delta-HCH [CAS:319-86-8] 20µg/ml; Gamma-HCH (Lindane) [CAS:58-89-9] 20µg/ml; Heptachlor [CAS:76-44-8] 20µg/ml; Heptachlor-endo-epoxide [CAS:28044-83-9] 20µg/ml; Heptachlor-exo-epoxide [CAS:1024-57-3] 20µg/ml; Hexachlorobenzene [CAS:118-74-1] 20µg/ml; PCB 209 [CAS:2051-24-3] 20µg/ml; PCB 29 [CAS:15862-07-4] 20µg/ml; Vinclozolin [CAS:50471-44-8] 20µg/ml; Alachlor [CAS:15972-60-8] 100µg/ml; Bromopropylate [CAS:18181-80-1] 50µg/ml; Chlorothalonil [CAS:1897-45-6] 25µg/ml; Dicofol [CAS:115-32-2] 75µg/ml; Iprodione [CAS:36734-19-7] 200µg/ml; Nitrofen [CAS:1836-75-5] 20µg/ml; oxy-Chlordane [CAS:27304-13-8] 20µg/ml; Phosalone [CAS:2310-17-0] 20µg/ml; Procymidone [CAS:32809-16-8] 150µg/ml; Tetradifon [CAS:116-29-0] 20µg/ml; Bromophos-ethyl [CAS:4824-78-6] 100µg/ml; Bromophos-methyl [CAS:2104-96-3] 100µg/ml; Chlorfenvinphos [CAS:470-90-6] 100µg/ml; Chlorpyrifos (Chlorpyrifos-ethyl) [CAS:2921-88-2] 100µg/ml; Chlorpyrifos methyl [CAS:5598-13-0] 100µg/ml; Diazinon [CAS:333-41-5] 100µg/ml; Dichlorvos [CAS:62-73-7] 100µg/ml; Dimethoate [CAS:60-51-5] 100µg/ml; Disulfoton [CAS:298-04-4] 50µg/ml; Fenchlorphos [CAS:299-84-3] 100µg/ml; Fenthion [CAS:55-38-9] 100µg/ml; Malathion [CAS:121-75-5] 100µg/ml; Parathion (Parathion-ethyl) [CAS:56-38-2] 100µg/ml; Parathion-methyl [CAS:298-00-0] 100µg/ml; Pirimiphos-methyl [CAS:29232-93-7] 100µg/ml; Terbufos [CAS:13071-79-9] 100µg/ml; Acephate [CAS:30560-19-1] 100µg/ml; Azinphos-ethyl [CAS:2642-71-9] 400µg/ml; Azinphos-methyl [CAS:86-50-0] 400µg/ml; Demeton-S-methyl [CAS:919-86-8] 100µg/ml; Ethion [CAS:563-12-2] 20µg/ml; Fenamiphos [CAS:22224-92-6] 50µg/ml; Fenitrothion [CAS:122-14-5] 50µg/ml; Fonofos [CAS:944-22-9] 40µg/ml; Metalaxyl [CAS:57837-19-1] 600µg/ml; Methamidophos [CAS:10265-92-6] 100µg/ml; Methidathion [CAS:950-37-8] 100µg/ml; Mevinphos [CAS:7786-34-7] 100µg/ml; Monocrotophos [CAS:6923-22-4] 100µg/ml; Oxa dixyl [CAS:77732-09-3] 400µg/ml; Phorate [CAS:298-02-2] 50µg/ml; Phosphamidon [CAS:13171-21-6] 100µg/ml; Pirimiphos-ethyl [CAS:23505-41-1] 50µg/ml; Triazophos [CAS:24017-47-8] 100µg/ml; Tefluthrin [CAS:79538-32-2] 10µg/ml
506948	1 ml	Glass ampoule	29 component 20µg/ml each in toluene/acetone: Aldrin [CAS:309-00-2]; Alpha-HCH [CAS:319-84-6]; Beta-HCH [CAS:319-85-7]; Delta-HCH [CAS:319-86-8]; cis-Chlordane (alpha-Chlordane) [CAS:5103-71-9]; Dieldrin [CAS:60-57-1]; Endosulfan-alpha [CAS:959-98-8]; Endosulfan-beta [CAS:33213-65-9]; Endosulfan-total (sulfate) [CAS:1031-07-8]; Endrin [CAS:72-20-8]; Endrin aldehyde [CAS:7421-93-4]; Endrin ketone [CAS:53494-70-5]; Gamma-HCH (Lindane) [CAS:58-89-9]; trans-Chlordane (Gamma-Chlordane) [CAS:5103-74-2]; Heptachlor [CAS:76-44-8]; Heptachlor-exo-epoxide (cis-Heptachlorepoxyde (cis-, exo-,)) [CAS:1024-57-3]; Methoxychlor (DMTD) [CAS:72-43-5]; 4,4'-DDD (TDE) [CAS:72-54-8]; 4,4'-DDE [CAS:72-55-9]; 4,4'-DDT [CAS:50-29-3]; Dicofol [CAS:115-32-2]; Nitrofen [CAS:1836-75-5]; Isodrin [CAS:465-73-6]; Alachlor [CAS:15972-60-8]; Hexachlorobenzene (HCB) [CAS:118-74-1]; 2,4'-DDE [CAS:3424-82-6]; 2,4'-DDD [CAS:53-19-0]; 2,4'-DDT [CAS:789-02-6]; oxy-Chlordane [CAS:27304-13-8]; trans-Nonachlor [CAS:39765-80-5]

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Code	Size	Packaging	Notes
506950	1 ml	Glass ampoule	17 components 20µg/ml each in toluene/acetone: Cyfluthrin [CAS:68359-37-5]; Cypermethrin [CAS:52315-07-8]; Fenvalerate [CAS:51630-58-1]; Permethrin [CAS:52645-53-1]; Phenothrin [CAS:26002-80-2]; Tetramethrin [CAS:7696-12-0]; lambda-Cyhalothrin [CAS:91465-08-6]; Piperonyl butoxide [CAS:51-03-6]; Bifenthrin [CAS:82657-04-3]; Chlorothalonil [CAS:1897-45-6]; Quintozene [CAS:82-68-8]; Tecnazene [CAS:117-18-0]; Chlorobenzilate [CAS:510-15-6]; Vinclozolin [CAS:50471-44-8]; Chlordecone hydrate [CAS:143-50-0]; Captan [CAS:133-06-2]
506803	10 ml	Bottle	12 components 10µg/ml each in acetonitrile: Azoxystrobin [CAS:131860-33-8]; Boscalid [CAS:188425-85-6]; Carbendazim [CAS:10605-21-7]; Chlorpyrifos [CAS:2921-88-2]; Cyprodinil [CAS:121552-61-2]; Linuron [CAS:330-55-2]; Metalaxyl [CAS:57837-19-1]; Methomyl [CAS:16752-77-5]; Myclobutanil [CAS:88671-89-0]; Pyrimethanil [CAS:53112-28-0]; Pirimicarb [CAS:23103-98-2]; Thiabendazole [CAS:148-79-8]

Custom formulations of organic substances are available. Contact us for more details.



Organic standard: Mixture for hydrocarbon analysis

- Soluzione standard per analisi degli idrocarburi • Mélange standard pour analyse des hydrocarbures • Mezcla estándar para análisis de hidrocarburos
- Standardgemisch für die Kohlenwasserstoffanalyse

Organic standard: Mixture for hydrocarbon analysis > RS - For environmental analysis

RS

Code	Size	Packaging	Notes
506736	1 ml	Glass ampoule	5 components 5000µg/ml each in methanol: Benzene; Toluene; o-Xylene; m-Xylene; p-Xylene
506742	1 ml	Glass ampoule	14 components in methanol: 1,1-Dichloroethene 1000µg/ml; Dichloromethane 5000µg/ml; trans-1,2-Dichloroethene 5000µg/ml; 1,1-Dichloroethane 5000µg/ml; cis-1,2-Dichloroethene 5000µg/ml; 1,2-Dichloroethane 5000µg/ml; Chloroform 500µg/ml; 1,1,1-Trichloroethane 500µg/ml; Trichloroethene 500µg/ml; Bromodichloromethane 500µg/ml; Dibromochloromethane 500µg/ml; Tribromomethane 500µg/ml; Tetrachloromethane 100µg/ml; Tetrachloroethene 100µg/ml; Hydrocarbons Mixture Benzene; 1-Bromo-2-chloroethane; Chlorobenzene; 1,1-Dichloroethane; 1,2-dichloroethane
507189	1 ml	Glass ampoule	6 components 1000 µg/ml each in methanol: Benzene; Toluene; o-Xylene; m-Xylene; p-Xylene; Ethylbenzene
507190	1 ml	Glass ampoule	6 components 1000 µg/ml each in methanol: Trichloroethene; Tetrachloroethene; 1,2-Dichloroethane; Tetrachloromethane; 1,1,1-Trichloroethane; 1,1,2-Trichloroethane
507191	1 ml	Glass ampoule	4 components 1000 µg/ml each in methanol: Tribromomethane; Chloroform; Bromodichloromethane; Dibromochloromethane
507474	2 ml	Glass ampoule	6 components 1000 µg/ml each in carbon disulfide: Benzene; Ethylbenzene; Toluene; m-Xylene; o-Xylene; p-Xylene
506614	100 ml	Bottle	22 components 2500mg/Kg each 1-Bromo-2-chloroethane; Chlorobenzene; 1,1-Dichloroethane; 1,1-Dichloroethene; cis-1,2-Dichloroethene; trans-1,2-Dichloroethene; Dichloromethane; Pentachloroethane; 1,1,2,2-Tetrachloroethane; Tetrachloroethene; Tetrachloromethane; 1,1,2-Trichloroethane; Trichloroethene; Chloroprene; Chloromethane; Vinylchloride; 1,3-Butadiene; Chloroethane; 1,2-Dichlorobutane; Ethylene; Chloroform; Matrix: Benzene

Custom formulations of organic substances are available. Contact us for more details.

Organic standard: Mixture for hydrocarbon analysis > RS - For environmental analysis according to NF EN ISO 9377-2

RS

Code	Size	Packaging	Notes
506002	1 ml	Glass ampoule	Standard quality control of two mineral oils in acetone
506010	1 ml	Glass ampoule	Mixture of mineral oil without additive 2 to 5 mg / ml each in hexane
506020	1 ml	Glass ampoule	Standard mixture of n-alkanes (C10 to C40 in pairs) of 50 mcg / ml each in hexane
506012	5 ml	Glass ampoule	2 component: 5g/l each of Mineral Oil [CAS:8042-47-5]; Diesel Oil in n-Hexane
506040	5 ml	Glass ampoule	N-tetracontane mixture (20 mg / l) and n-decane (20 mg / l) in hexane
506011	10 ml	Glass ampoule	Mixture of mineral oil without additive 2 to 1 mg / ml each in hexane
506013	10 ml	Glass ampoule	2 components: 5g/l each of Mineral Oil [CAS:8042-47-5]; Diesel Oil in n-Hexane
506021	10 ml	Glass ampoule	Standard mixture of n-alkanes (C10 to C40 in pairs) of 50 µg / ml each in hexane
506030	10 ml	Glass ampoule	Mother solution stearyl stearate 2 g / l in hexane

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Orthophosphoric acid 99%

• Acido fosforico 99% • Acide phosphorique 99% • Acido orto-fosforico 99% • ortho-Phosphorsäure 99%

Synonym:
Phosphoric acid

H₃PO₄
Molecular Weight: 98
CAS: 7664-38-2
EEC-N: 231-633-2

Classification transport
ONU: 3453
Transport Hazard class: 8
Packing group III



Danger
H314
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Orthophosphoric acid 99% > RPE - For analysis

RPE

Description White deliquescent crystals	Nitrate ≤2 ppm	Co ≤5 ppm	Na ≤50 ppm
Identification Positive	Reducing subst as H3PO3 ≤50 ppm	Cu ≤5 ppm	Ni ≤5 ppm
Chloride ≤2 ppm	Silicate ≤500 ppm	Fe ≤10 ppm	Pb ≤5 ppm
Fluoride ≤5 ppm	Sulphate ≤10 ppm	K ≤20 ppm	Zn ≤10 ppm
Ca, Mg and ppt by NH4OH ≤50 ppm	As ≤0.5 ppm	Mg ≤10 ppm	Assay (acidimetric) ≥99 %
Heavy metals (Pb) ≤10 ppm	Cd ≤5 ppm	Mn ≤0.5 ppm	

Code	Size	Packaging	Notes
405967	1 kg	Plastic bottle	
405961	10 kg	Plastic tank	



Orthophosphoric acid 85%

• Acido fosforico 85% • Acide phosphorique 85% • Acido orto-fosforico 85% • ortho-Phosphorsäure 85%

Synonym:
Phosphoric acid

H₃PO₄
Molecular Weight: 98
CAS: 7664-38-2

Classification transport
ONU: 1805
Transport Hazard class: 8
Packing group III



Danger
H314
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Orthophosphoric acid 85% > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527592	1 l	Plastic bottle	
527591	2.5 l	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis

Orthophosphoric acid 85% > RS - RSE - For electronic use

RS

Description	Clear liquid	Heavy metals (Pb).....	≤5 ppm	Ca	≤20 ppm	Mg	≤5 ppm
Colour (APHA)	≤10	Nitrate	≤3 ppm	Cd	≤5 ppm	Mn	≤0.5 ppm
Identification	Positive	Subst. reducing KMnO ₄	≤10 ppm	Co	≤1 ppm	Na	≤30 ppm
Density at 20° C	1.689 ÷ 1.701	Sulphate	≤5 ppm	Cu	≤2 ppm	Ni	≤3 ppm
Assay (acidimetric)	85.0 ÷ 87.0 %	Volatile acid	≤3 ppm	Fe	≤5 ppm	Pb	≤1 ppm
Ammonium	≤5 ppm	Al	≤0.5 ppm	Ga	≤0.1 ppm	Sr	≤5 ppm
Chloride	≤1 ppm	As + Sb (as As)	≤0.5 ppm	K	≤5 ppm	Zn	≤10 ppm
Fluoride	≤5 ppm	Bi	≤1 ppm	Li	≤1 ppm		

Code	Size	Packaging	Notes
406022	1 l	Plastic bottle	
406021	2.5 l	Plastic bottle	

Orthophosphoric acid 85% > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description	Clear liquid	Nitrate	≤3 ppm	K	≤50 ppm	Appearance of solution	Conform Ph. Eur.
Colour (APHA)	≤10	Reducing substances	≤25 ppm	Mg	≤10 ppm	Substances precipitated with ammonia.....	Conform Ph. Eur.
Identification	Positive	Sulphate	≤5 ppm	Mn	≤0.5 ppm	Conform Ph. Eur.	
Density at 20° C	1.689 ÷ 1.701	As	≤0.5 ppm	Na	≤250 ppm	Phosphorous and hypophosphorous acid ...	Conform Ph. Eur.
Volatile acid	≤10 ppm	Ca	≤20 ppm	Ni	≤5 ppm	Alkali phosphates	Conform USP-NF
Water-insoluble matter	≤10 ppm	Cd	≤5 ppm	Pb	≤1 ppm		
Chloride	≤1 ppm	Co	≤1 ppm	Sb	≤4 ppm		
Fluoride	≤5 ppm	Cu	≤2 ppm	Zn	≤10 ppm		
Heavy metals (Pb).....	≤5 ppm	Fe	≤5 ppm	Assay (acidimetric)	85 ÷ 87 %		

Code	Size	Packaging	Notes
406002	1 l	Plastic bottle	
406005	2.5 l	Plastic bottle	
406003	40 kg	Plastic drum	

Orthophosphoric acid 85% > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBapharm

Description	Clear colourless liquid	Subst. ppt by NH ₄ OH.....	Conform Ph.Eur.	Chloride.....	≤50 ppm	Fe	≤50 ppm
Identification	Positive	Nitrate	Conform USP-NF	Sulphate.....	≤100 ppm	Assay (acidimetric)	85 ÷ 88 %
Appearance of solution.....	Conform Ph.Eur.	Alkali phosphates	Conform USP-NF	Heavy metals (Pb).....	≤10 ppm	Origin (BSE/TSE).....	Synthesis
Hypophos. phosphor acid...Conform Ph.Eur.		Density at 20° C	1.689 ÷ 1.701	As	≤2 ppm	Residual solvents (Current ICH).....	Conform

Code	Size	Packaging	Notes
304061	1 l	Plastic bottle	
304062	2.5 l	Plastic bottle	
304063	40 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Orthophosphoric acid 85% > RE - Pure

RE

Description	Clear colourless liquid	Density at 20°C	1.69 ÷ 1.71	Iron (Fe).....	≤ 20 ppm
Assay	85.0 ÷ 86.0 %	Residue on ignition	≤ 20 ppm	Chloride (Cl).....	≤ 5 ppm

Code	Size	Packaging	Notes
528535	5 l	Tank	



Orthophosphoric acid 75%

• Acido fosforico 75% • Acide phosphorique 75% • Acido orto-fosfórico 75% • ortho-Phosphorsäure 75%

Synonym:
Phosphoric acid



Molecular Weight: 98
CAS: 7664-38-2

Classification transport

ONU: 1805
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Orthophosphoric acid 75% > RE - Pure

RE

Description Clear liquid Chloride ≤5 ppm As ≤1 ppm
Identification Positive Heavy metals (Pb) ≤10 ppm Fe ≤10 ppm
Density at 20° C 1.568 - 1.589 Sulphate ≤120 ppm Assay (acidimetric) 74.0 - 76.0 %

Code	Size	Packaging	Notes
304051	1 l	Plastic bottle	
304054	2.5 l	Plastic bottle	
304052	85 kg	Plastic tank	



Orthophosphoric acid 10%

• Acido fosforico 10% • Acide phosphorique 10% • Acido orto-fosfórico 10% • Ortho-phosphorsäure 10%

Synonym:
Phosphoric acid



Molecular Weight: 98
CAS: 7664-38-2
EEC-N: 231-633-2



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Orthophosphoric acid 10% > RS - For analysis

RS

Density d20/4 1.048 - 1.059 Assay 9 - 11 %

Code	Size	Packaging	Notes
PS0084/22	5 l	Plastic tank	
PS0084/42	20 l	Plastic tank	



Orthophosphoric acid-d3 85% in D2O

• Acido fosforico-d3 85% in D2O • Acide phosphorique-d3 85% dans D2O
• Acido orto-fosforico-d3 85% in D2O • ortho-Phosphorsäure-d3 85% in D2O

Synonym:
• Phosphoric acid-d3 solution
• Trideuterophosphoric acid



Molecular Weight: 101,02
CAS: 14335-33-2

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group II



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Orthophosphoric acid-d3 85% in D2O > RS - For NMR - min 99%

RS

Code	Size	Packaging	Notes
P5055	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



Osmium standard solution

• Osmio standard soluzione • Osmium solution standard • Osmio, solución patrón • Osmium-Standardlösung

Classification transport

ONU: 1789
Transport Hazard class: 8
Packing group III



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Osmium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505758	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Osmolality Standards

• Osmolalità Standards • Etalons d'osmolalitié • Patrones de osmolalidad • Osmolalitätsstandards

Osmolality Standards > RS - For calibration

RS

Code	Size	Packaging	Notes
540301	12 x 5 ml	Glass ampoule	100mOsm/Kg H2O
540302	12 x 5 ml	Glass ampoule	150mOsm/Kg H2O
540303	12 x 5 ml	Glass ampoule	200mOsm/Kg H2O
540304	12 x 5 ml	Glass ampoule	2000mOsm/Kg H2O
540305	12 x 5 ml	Glass ampoule	290mOsm/Kg H2O
540306	12 x 5 ml	Glass ampoule	300mOsm/Kg H2O
540307	12 x 5 ml	Glass ampoule	400mOsm/Kg H2O
540308	12 x 5 ml	Glass ampoule	500mOsm/Kg H2O
540309	12 x 5 ml	Glass ampoule	850mOsm/Kg H2O
540310	12 x 5 ml	Glass ampoule	900mOsm/Kg H2O



Osmolality Standards Protein Based

• Osmolalità standard a base di proteine • Etalons d'osmolalitié à base de protéines • Patrones de osmolalidad a base de proteínas • Osmolalitätsstandards basierend auf Proteinen

Osmolality Standards Protein Based > RS - For calibration

RS

Code	Size	Packaging	Notes
540351	12 x 5 ml	Glass ampoule	240mOsm/Kg H2O
540352	12 x 5 ml	Glass ampoule	280mOsm/Kg H2O
540353	12 x 5 ml	Glass ampoule	320mOsm/Kg H2O



Osmolality Standards Urine Based

• Osmolalità Standards a base di urina • Etalons d'osmolalitié à base d'urine • Patrones de osmolalidad a base de orina • Osmolalitätsstandards basierend auf Urin

Osmolality Standards Urine Based > RS - For calibration

RS

Code	Size	Packaging	Notes
540354	12 x 5 ml	Glass ampoule	300mOsm/Kg H2O
540355	12 x 5 ml	Glass ampoule	800mOsm/Kg H2O



Oxalic acid dihydrate

• Acido ossalico diidrato • Acide oxalique dihydraté • Acido oxálico dihidrato • Oxalsäuredihydrat

Synonym:

Ethanedioic acid dihydrate

(COOH)₂·2H₂O
Molecular Weight: 126,07
CAS: 6153-56-6
EEC-N: 205-634-3



Danger

H302-H318

P264-P280i-P301+P312a-P305+P351+P338-P310a-P501a

Oxalic acid dihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White crystals	Total nitrogen	≤ 10 ppm	Heavy metals (Pb).....	≤ 5 ppm	Fe	≤ 2 ppm
Identification	Positive	Chloride.....	≤ 20 ppm	Residue on ignition.....	≤ 100 ppm	Assay (oxidimetric)	99.5 ÷ 102.5 %
Substances darkened by sulphuric acid	Conform	Water-insoluble matter	≤ 50 ppm	Ca	≤ 10 ppm	Sulphate	≤ 50 ppm

Code	Size	Packaging	Notes
408736	500 g	Plastic bottle	
408737	1 kg	Plastic bottle	
408731	5 kg	Plastic tank	
408733	25 kg	Plastic bucket	

Oxalic acid dihydrate > RE - Pure

RE

Description White crystals Identification Positive Fe ≤ 15 ppm Assay (acidimetric) ≥ 99.5 %

Code	Size	Packaging	Notes
305757	1 kg	Plastic bottle	
305758	5 kg	Plastic tank	



Oxalic acid 0.5 mol/l (1N)

• Acido ossalico 0.5 mol/l (1N) • Acide oxalique 0.5 mol/l (1N) • Acido oxálico 0.5 mol/l (1N) • Oxalsäure 0.5 mol/l (1N)

 $(\text{COOH})_2$
CAS: 144-62-7

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III

Warning
H290-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Oxalic acid 0.5 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.998 - 1.002 N

Code	Size	Packaging	Notes
408826	500 ml	Plastic bottle	

45,02 g of C₂H₂O₄. Volumetric solution ready-to-use. For oxydometry. Stabilized with sulfuric acid


Oxalic acid 0.05 mol/l (0.1N)

• Acido ossalico 0.05 mol/l (0.1N) • Acide oxalique 0.05 mol/l (0.1N) • Acido oxálico 0.05 mol/l (0.1N) • Oxalsäure 0.05 mol/l (0.1N)

 $(\text{COOH})_2$
Molecular Weight: 90,03
CAS: 144-62-7

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III

Warning
H290-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Oxalic acid 0.05 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0998 - 0.1002 N

Code	Size	Packaging	Notes
408856	500 ml	Plastic bottle	

4,502 g of C₂H₂O₄. Volumetric solution ready-to-use. For oxydometry. Stabilized with sulfuric acid

Oxalic acid 0.05 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
408871		Plastic ampoule	Volume: 165 ml

Volumetric concentrated solution to prepare 1 L of solution 0,1 N


Oxalic acid 0.005 mol/l (0.01N)

• Acido ossalico 0.005 mol/l (0.01N) • Acide oxalique 0.005 mol/l (0.01N) • Acido oxálico 0.005 mol/l (0.01N) • Oxalsäure 0.005 mol/l (0.01N)

 $(\text{COOH})_2$
CAS: 144-62-7

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III

Warning
H290-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Oxalic acid 0.005 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
408901		Plastic ampoule	Volume: 55 ml

Volumetric concentrated solution to prepare 1 L of solution 0,01 N

OXA

Oxalic acid diammonium salt ▶ Ammonium oxalate monohydrate

2,2'-Oxydiethanol ▶ Diethylene glycol

PABA ▶ p-Aminobenzoic acid

**Palladium standard solution**

• Palladio standard soluzione • Palladium solution standard • Paladio, solución patrón • Palladium-Standardlösung

Palladium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003600	100 ml	Plastic bottle	A 500 ppm solution Ref Ph.Eur 5003600

Palladium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505772	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505775	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Palladium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503811	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503813	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503815	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503817	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Palladium standard solution > RS - Standard solution for AAS**

RS

Code	Size	Packaging	Notes
507751	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507512	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Palladium (II) chloride**

• Palladio cloruro oso • Palladium (II) chlorure • Paladio (II) cloruro • Palladium (II) chlorid

PdCl ₂ Molecular Weight: 177,31 CAS: 7647-10-1 EEC-N: 231-596-2	Classification transport ONU: 3260 Transport Hazard class: 8 Packing group III		Danger H290-H318-H317 P261-P280a-P305+P351+P338-P310a-P362+P364-P333+P313
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Palladium (II) chloride > RPE - For analysis

RPE

Description Red brown powder Identification Positive Assay (gravimetric) ≥59.5 % Pd

Code	Size	Packaging	Notes
467737	1 g	Glass bottle	
467731	10 g	Glass bottle	



Palladium nitrate 2 g/l solution

• Palladio nitrato 2 g/L soluzione • Palladium nitrate 2 g/l • Paladio nitrato solución 2 g/l • Palladiumnitrat 2 g/l Lösung

Pd(NO₃)₂
Molecular Weight: 230,43 (an.)
CAS: 10102-05-3

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group II



Danger
H290-H332-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Palladium nitrate 2 g/l solution > RS - Matrix modifiers for AAS-GTA

RS

Code	Size	Packaging	Notes
503198	50 ml	Plastic bottle	Matrix: 1% Nitric acid
503202	50 ml	Bottle	Matrix: 15% Nitric acid



Papanicolaou Haematoxylin solution according to Harris

• Papanicolaou Ematossilina soluzione secondo Harris • Papanicolaou Hématoxyline selon Harris • Papanicolaou Hematoxilina en solución según Harris
• Papanicolaou Haematoxylin-Lösung nach Harris



Danger
H318
P280i-P305+P351+P338-P310a

Papanicolaou Haematoxylin solution according to Harris > RS - For histology

RS

DescriptionDark red liquid IdentificationPositive Max absorbance wave-length....555 ÷ 565 nm Absorbance(lambda max) ≥0.52 uA

Code	Size	Packaging	Notes
446462	500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
446464	6 x 500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
446461	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
446465	6 x 1 l	Plastic bottle	In Vitro Diagnostic Medical Device
446463	2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device
446466	4 x 2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device



Papanicolaou solution EA 50

• Papanicolaou soluzione EA 50 • Papanicolaou solution EA 50 • Papanicolaou solución EA 50 • Papanicolaou-Lösung EA 50

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H370-H373
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Papanicolaou solution EA 50 > RS - For histology

RS

DescriptionGreen clear liquid Maximum abs.Lambda max1(water,dil.1:200).630 - 634 nm Maximum abs.Lambda max2(water,dil.1:200).515 - 518 nm
IdentificationPositive Absorbance (Lambda max1,water,dil.1:200) 0.24 - 0.30 Absorbance (Lambda max2,water,dil.1:200) 1.25 - 1.30

Code	Size	Packaging	Notes
467782	500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
E467784	6 x 500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
467781	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
E467785	6 x 1 l	Plastic bottle	In Vitro Diagnostic Medical Device
467783	2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device
E467786	4 x 2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device

Dye for cytological diagnosis and oncology. Contains ethanol and methanol



Papanicolaou solution OG 6

• Papanicolaou soluzione OG 6 • Papanicolaou solution OG 6 • Papanicolaou solución OG 6 • Papanicolaou Lösung OG 6

Classification transport

ONU: 1993
Transport Hazard class: 3
Packing group II



Danger

H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Papanicolaou solution OG 6 > RS - For histology

RS

Description Orange clear liquid Density at 20°C ~ 0.83 Absorbance at 480 nm 0.6 ÷ 0.8
Identification Positive Empirical test Positive

Code	Size	Packaging	Notes
467792	500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
E467794	6 x 500 ml	Plastic bottle	In Vitro Diagnostic Medical Device
467791	1 l	Plastic bottle	In Vitro Diagnostic Medical Device
E467795	6 x 1 l	Plastic bottle	In Vitro Diagnostic Medical Device
467793	2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device
E467796	4 x 2.5 l	Plastic bottle	In Vitro Diagnostic Medical Device

Dye for cytological diagnosis and oncology. Contains ethanol and methanol



Paraffin 56-58°C - Erbaplast (without DMSO)

• Paraffina 56-58°C Erbaplast (senza DMSO) • Paraffine 56-58°C Erbaplast (sans DMSO) • Paraffina 56-58°C Erbaplast (sin DMSO)
• Paraffin 56-58°C Erbaplast (ohne DMSO)

CAS: 92045-76-6
EEC-N: 295-458-3

Paraffin 56-58°C - Erbaplast (without DMSO) > RS - For histology - CE - IVD

RS

Description White pellets Melting point 56 ÷ 58 °C

Code	Size	Packaging	Notes
467958	4 x 2 kg	Bag	In Vitro Diagnostic Medical Device



Paraffin oil

• Olio di vaselina • Huile de vaseline • Aceite de vaselina • Paraffinöl

Synonym:
Mineral oil

CAS: 8012-95-1
EEC-N: 232-455-8

Paraffin oil > RS - For optical spectroscopy

RS

Description Colourless oily liquid Identification (I.R.) Conform Density at 20°C ~ 0.880

Code	Size	Packaging	Notes
466792	100 ml	Glass bottle	

Paraffin oil > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP

ERBApharm

Description Colourless oily liquid Polycyclic Aromatic Hydrocarbons Conform Ready carbonizable substances Conform Density at 25°C 0.845 ÷ 0.905
Identification (I.R.) Conform Ph.Eur. Ph.Eur. Ph.Eur. Viscosity at 20°C 110 ÷ 230 mPa x s
Acidity or alkalinity Conform Ph.Eur. Solid paraffins Conform Ph.Eur. Density at 20°C 0.827 ÷ 0.890 Viscosity at 40°C 34.5 ÷ 150 mm²/s

Code	Size	Packaging	Notes
356601	1 l	Glass bottle	
356608	5 l	Aluminium can	
356603	23 kg	Metal drum	
356607	185 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Paraffin white soft	Synonym: <i>Vaseline</i>
	• Vaseline bianca • Vaseline blanche • Vaseline blanca • Weiße Vaseline	

CAS: 8009-03-8
EEC-N: 232-373-2

Paraffin white soft > ERBApharm - According to pharmacopoeia: BP-NF

ERBApharm

Description	White mass	Aspetto sostanza fusa.....	Conform BP	USP-NF	Melting point.....	47.0 ÷ 65.0 ° C	
Identification	Positive	Consistenza	60 ÷ 300 BP	Acidity or alkalinity.....	Conform BP	Sulphated ash.....	≤0.05 %
Reaction	Conform USP-NF	Ready carbonizable substances.....	Conform	Polynuclear hydrocarbon.....	≤ 300 ppm		

Code	Size	Packaging	Notes
388407	1 kg	Metallic can	
388409	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Paraffin white soft > RE - Pure

RE

AppearanceSoft whitish mass Identification Conform Drop melting point..... 50 - 60 °C

Code	Size	Packaging	Notes
388607	1 kg	Plastic bottle	
388609	5 kg	Plastic tank	

	Paraformaldehyde	Synonym: <i>Polyoxymethylene</i>
	• Paraformaldeide • Paraformaldéhyde • Paraformaldehído • Paraformaldehyd	

(CH₂O)_n
CAS: 30525-89-4

Classification transport

ONU: 2213
Transport Hazard class: 4.1
Packing group III



Danger

H228-H302-H332-H315-H318-H317-H351-H412
P210-P280-P304+P340-P310a-P305+P351+P338-P330-P362+P364

Paraformaldehyde > RE - Pure

RE

Description	White powder	Sulphated ash.....	≤ 0.1 %	Acidity or alkalinity.....	Passes test	Insoluble in NH ₄ OH.....	Passes test
Identification	Positive	Assay (oxidimetric)	≥ 95 %	Heavy metals (Pb).....	≤ 0.001 %		

Code	Size	Packaging	Notes
387507	1 kg	Plastic bottle	
387503	25 kg	Fibre drum	

	Pararosaniline solution, decolorised	
	• Pararosanilina soluzione, decolorata • Pararosaniline décolorée en solution • Pararrosanilina solución, decolorado • Pararosanilin in Lösung verfärbt	



Danger

H350-HA26
P201-P202-P280-P308+P313-P405-P501a

Pararosaniline solution, decolorised > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611062201	100 ml	Glass bottle	Ref Ph.Eur 1062201

Storage: protected from light

**n-Pentane 99%**

• n-Pentano 99% • n-Pentane 99% • n-Pentano 99% • n-Pentan 99%

CH₃(CH₂)₃CH₃
 Molecular Weight: 72,15
 CAS: 109-66-0
 EEC-N: 203-692-4

Classification transport

ONU: 1265
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H336-H304-H411-HEU066
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

n-Pentane 99% > RS - For GC-MS**RS**

Appearance Clear colourless liquid
 Refractive index at 20°C 1.355 - 1.359
 Water (K.F.) ≤ 50 ppm
 Residue on evaporation ≤ 2 ppm
 Colour ≤ 5 APHA
 Acidity (acetic acid) ≤ 10 ppm
 Assay (GC) ≥ 99.0 %
 GC-MS. Individual peak (n-hexadecane) ≤ 2 µg/L
 Ret. range n-undecane to n-tetracontane (scanning area 30-600amu)

Code	Size	Packaging	Notes
468172	1 l	Glass bottle	

n-Pentane 99% > RS - ATRASOL - For traces analysis**RS**

Appearance Clear colourless liquid
 Refractive index at 20°C 1.355 - 1.359
 Water content (K.F.) ≤ 50 mg/Kg
 Colour ≤ 5 Hazen
 Assay (GC) ≥ 99 %
 Non volatile residue ≤ 2 mg/Kg
 Free acid (as CH₃COOH) ≤ 10 mg/Kg
 Total sulphur (S) ≤ 10 ppm
 GC (FID) - NC Atrasol Conform
 GC-ECD. Individual peak (CCl₄) ≤ 1 µg/l
 Ret. range dichloromethane to 1,2,4-trichlorobenzene
 GC-ECD. Individual peak (Lindane) ≤ 2 ng/L
 Ret. range 1,2,4-trichlorobenzene to decachlorobiphenyle

Code	Size	Packaging	Notes
P064323016	1 l	Glass bottle	
P064323021	2.5 l	Glass bottle	

n-Pentane 99% > RS - SPECTROSOL - For optical spectroscopy**RS**

Description Clear colourless liquid
 Identification Positive
 Colour ≤ 10 APHA
 Density at 20° C 0.623 ÷ 0.629
 Refractive index at 20°C 1.3552 ÷ 1.3606
 Boiling point 35.8 ÷ 36.3 ° C
 Acidity or alkalinity ≤ 0.0002 meq/g
 Water (K.F.) ≤ 50 ppm
 Residue on evaporation ≤ 2 ppm
 Total sulphur ≤ 10 ppm
 Aromatic compounds ≤ 5 ppm
 Assay (GLC) ≥ 99 %
 U.V. Transmittance at 210 nm ≥ 45 %
 at 220 nm ≥ 89 %
 at 230 nm ≥ 95 %
 Trasmittance from 240 nm ≥ 98 %

Code	Size	Packaging	Notes
468142	1 l	Glass bottle	
468141	2.5 l	Glass bottle	

n-Pentane 99% > RS - For enviromental analysis**RS**

Description Clear liquid
 Identification Positive
 Colour (APHA) ≤ 10
 Water ≤ 50 ppm
 Not volatile residue ≤ 5 ppm
 Free acids (CH₃COOH) ≤ 10 ppm
 Total sulphur ≤ 10 ppm
 GC-ECD (Carbonio tetracloruro) ≤ 1 µg/l
 GC-ECD (Lindano) ≤ 2 ng/l
 GC-FID (Esadecano) ≤ 5 µg/l
 Assay (GLC) ≥ 99 %

Code	Size	Packaging	Notes
468204	1 l	Glass bottle	

n-Pentane 99% > RPE - For analysis - Reag. Ph.Eur. - Reag. USP**RPE**

Description Clear colourless liquid
 Identification Positive
 Colour (APHA) ≤ 10
 Density at 15° C 0.629 ÷ 0.633
 Identification (I.R.) Positive
 Aromatics ≤ 0.001 %
 Alcohol miscibility Complete
 Residue on evaporation ≤ 0.001 % p/v
 Diethyl ether miscib. Complete
 Assay (GLC) ≥ 99 %
 Chloroform miscibility Complete
 Density at 20° C 0.623 ÷ 0.629
 Refractive index at 20°C 1.3552 ÷ 1.3606
 Boiling point 35.8 ÷ 36.3 ° C
 Acidity or alkalinity ≤ 0.0001 meq/g
 Water (K.F.) ≤ 100 ppm
 Total phosphorus ≤ 0.5 ppm
 Total silicon ≤ 0.02 ppm
 Total sulphur ≤ 5 ppm
 Ca ≤ 0.5 ppm
 Cu ≤ 0.05 ppm
 Fe ≤ 0.2 ppm
 K ≤ 0.2 ppm
 Mg ≤ 0.1 ppm
 Na ≤ 1 ppm
 Pb ≤ 0.05 ppm
 Zn ≤ 0.1 ppm

Code	Size	Packaging	Notes
468151000	1 l	Glass bottle	

n-Pentane 99% > RE - Pure**RE**

Description	Clear liquid	Density at 20°C	0.621 ÷ 0.631	Residue on evaporation	≤ 20 ppm	Assay (GLC)	≥ 99 %
Identification	Positive	Refractive index at 20°C	1.3529 ÷ 1.3629	Water (K.F.)	≤ 150 ppm		
Colour	≤ 10 APHA	Boiling point	34.75 ÷ 37.25 °C	Aromatic compounds	≤ 10 ppm		

Code	Size	Packaging	Notes
528994	1 l	Glass bottle	
528993	2.5 l	Glass bottle	
528995	5 l	Aluminium can	
528996	25 l	Drum	
528997	200 l	Metal drum	

**n-Pentane**

• n-Pentano • n-Pentane • n-Pentano • n-Pentan

CH₂(CH₂)₃CH₃
 Molecular Weight: 72,15
 CAS: 109-66-0
 EEC-N: 203-692-4

Classification transport

ONU: 1265
 Transport Hazard class: 3
 Packing group II

**Danger**

H225-H336-H304-H411-HEU066
 P210-P241-P280-P303+P361+P353-P304+P340-
 P403+P233

n-Pentane > RS - For HPLC - Isocratic Grade**RS**

Refractive index at 20°C	1.355 - 1.359	UV transmittance at 210 nm	≥ 5 %	UV transmittance at 300 nm	≥ 98 %	Assay (GC)	≥ 95 %
Water content (K.F.)	≤ 100 mg/Kg	UV transmittance at 230 nm	≥ 80 %	Aromatic compounds	≤ 5 mg/Kg	Total sulphur (S)	≤ 2 ppm
Colour	≤ 10 Hazen	UV transmittance at 290 nm	≥ 85 %	Non volatile residue	≤ 5 mg/Kg	Free acid (as CH ₃ COOH)	≤ 10 mg/Kg

Code	Size	Packaging	Notes
P0643716	1 l	Glass bottle	
P0643721	2.5 l	Glass bottle	

n-Pentane > RS - For GC-MS**RS**

Appearance	Clear colourless liquid	Water (K.F.)	≤ 50 ppm	Assay (GC)	≥ 96.5 %	Ret.range n-undecane to n-tetracontane	(scanning area 30-600amu)
Refractive index at 20°C	1.355 - 1.359	Residue on evaporation	≤ 2 ppm	GC-MS.Individual peak (n-hexadecane)	≤ 2 µg/L		
Density d20/4	0.621 - 0.631	Colour	≤ 5 APHA				

Code	Size	Packaging	Notes
468182	1 l	Glass bottle	

n-Pentane > RS - ATRASOL - For trace analysis, Suitable for Hydrocarbon index determination**RS**

Appearance	Clear colourless liquid	Non volatile residue	≤ 2 mg/Kg	GC-FID.Hydrocarbon oil index	≤ 0.05 mg/l	Ret.range 1,2,4-trichlorobenzene	to decachlorobiphenyle
Refractive index at 20°C	1.355 - 1.359	Acidity (acetic acid)	≤ 10 ppm	Retention time n-decane - n-tetracontane			
Water content (K.F.)	≤ 50 mg/Kg	Assay (GC)	≥ 96.5 %	GC-FID.Individual peak (C10-C40)	≤ 2 µg/l		
Colour	≤ 5 Hazen	Density d20/4	0.621 - 0.631	GC-ECD.Individual peak (Lindane)	≤ 2 ng/L		

Code	Size	Packaging	Notes
P0643216	1 l	Glass bottle	
P0643221	2.5 l	Glass bottle	

According to NF-EN-ISO9377-2 for hydrocarbon index determination**n-Pentane > RS - PESTIPUR - For pesticide analysis****RS**

Description	Clear liquid	Water	≤ 50 ppm	Total sulphur	≤ 2 ppm	Assay (GLC)	≥ 95 %
Identification	Positive	Acidity (acetic acid)	≤ 10 ppm	GC-ECD (Lindano)	≤ 3 ng/l		
Colour	≤ 10 hazen	Not volatile residue	≤ 5 ppm	GC-NPD (Ethylparation)	≤ 3 ng/l		

Code	Size	Packaging	Notes
468161	1 l	Glass bottle	
468162	2.5 l	Glass bottle	

n-Pentane > RS - Anhydrous - For analysis

RS

Refractive index at 20°C..... 1.355 - 1.359	Colour ≤ 10 Hazen	n-hexane..... ≤ 0.4 %	Total sulphur (S) ≤ 2 ppm
Water content (K.F.)..... ≤ 50 mg/Kg	Assay (GC)..... ≥ 95 %	Cyclopentane..... ≤ 1 %	Free acid (as CH ₃ COOH)..... ≤ 10 mg/Kg
Non volatile residue..... ≤ 10 mg/Kg	Aromatic compounds..... ≤ 20 mg/Kg	2,2-dimethylbutane..... ≤ 1 %	

Code	Size	Packaging	Notes
P0641016	1 l	Glass bottle	

n-Pentane > RPE - For analysis

RPE

Refractive index at 20°C..... 1.355 - 1.359	Colour ≤ 10 Hazen	n-hexane ≤ 0.4 %	Total sulphur (S) ≤ 2 ppm
Water content (K.F.)..... ≤ 150 mg/Kg	Assay (GC)..... ≥ 95 %	Cyclopentane ≤ 1 %	Free acid (as CH ₃ COOH)..... ≤ 10 mg/Kg
Non volatile residue..... ≤ 10 mg/Kg	Aromatic compounds..... ≤ 20 mg/Kg	2,2-dimethylbutane..... ≤ 1 %	

Code	Size	Packaging	Notes
468121	1 l	Glass bottle	
468122	2.5 l	Glass bottle	
468123	200 l	Metal drum	

n-Pentane > RE - Pure

RE

Description Clear colourless liquid	Refractive index at 20°C..... 1.3529 ÷ 1.3629	Assay (GLC) ≥ 95 %
Identification Positive	Water (K.F.)..... ≤ 200 ppm	Colour ≤ 10 APHA
Density at 20° C 0.621 ÷ 0.631	Residue on evaporation ≤ 25 ppm	n-Hexane..... ≤ 0.4 %

Code	Size	Packaging	Notes
356951	1 l	Glass bottle	
356954	5 l	Aluminium can	
356952	16 kg	Drum	
356953	200 l	Metal drum	

2,4-Pentanedione ▶ Acetylacetone**1-Pentanesulphonic acid sodium salt**

- Acido 1-pentansolfonico sale sodico • Acide 1-pentanesulfonique sel sodique
- Acido 1-pentanosulfónico sal sódica • 1-Pentansulfonsäure-Natriumsalz

Synonym:

Sodium pentanesulfonate

CH₃(CH₂)₄SO₃Na
 Molecular Weight: 174,19
 CAS: 22767-49-3
 EEC-N: 245-208-4

1-Pentanesulphonic acid sodium salt > RS - For ion pair chromatography

RS

Description White crystalline powder	Absorbance (0,25M)	At 220 nm ≤ 0.04 AU	At 250 nm ≤ 0.01 AU
Water (K.F.)..... ≤ 2 %	At 200 nm ≤ 0.10 AU	At 230 nm ≤ 0.03 AU	At 260 nm ≤ 0.01 AU
Assay ≥ 98 %	At 210 nm ≤ 0.05 AU	At 240 nm ≤ 0.01 AU	

Code	Size	Packaging	Notes
405841	25 g	Glass bottle	
405842	100 g	Plastic bottle	

1-Pentanesulphonic acid sodium salt > RPE - For analysis

RPE

Description White powder	Identification Positive	Assay ≥ 95 %
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Code	Size	Packaging	Notes
409064	25 g	Glass bottle	



1-Pentanesulphonic acid sodium salt monohydrate

- Acido 1-pentansolfonico sale sodico monoidrato • Acide 1-pentanesulfonique sel sodique monohydrate
- Acido 1-pentanosulfónico sal sódica monohidrat • 1-Pentansulfonsäure-Natriumsalz-Monohydrat

Synonym:
Sodium 1-pentanesulfonate monohydrate

CH₃(CH₂)₄SO₃Na.H₂O
Molecular Weight: 192,19
CAS: 207605-40-1

1-Pentanesulphonic acid sodium salt monohydrate > RS - For ion pair chromatography

RS

Description	White crystalline powder	Absorbance (0,25M)	At 220 nm	≤ 0.03 AU	At 250 nm	≤ 0.01 AU
Loss on drying	7.0 - 9.0 %	At 200 nm	≤ 0.1 AU	At 230 nm	≤ 0.02 AU	
Assay	≥ 99.0 %	At 210 nm	≤ 0.05 AU	At 240 nm	≤ 0.01 AU	

Code	Size	Packaging	Notes
405891	25 g	Glass bottle	
405892	100 g	Plastic bottle	

Pentanol-1 ► n-Amyl alcohol



Pepsin HCl

- Pepsina HCl • Pepsine • Pepsina HCl • Pepsin HCl



Danger

H290-H314-HEU208
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Pepsin HCl > RPE - For analysis

RPE

Code	Size	Packaging	Notes
468245	250 ml	Bottle	

Cleaning solution proteins



Perchloric acid 65-71%

- Acido perclorico 65-71% • Acide perchlorique 65-71% • Acido perclórico 65-71% • Perchlorsäure 65-71%

HClO₄
Molecular Weight: 100,47
CAS: 7601-90-3

Classification transport

ONU: 1873
Transport Hazard class: 5.1
Packing group I



Danger

H271-H302-H314
P210-P280-P283-P301+P330+P331-
P303+P361+P353-P304+P340-P310a-
P305+P351+P338

Perchloric acid 65-71% > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Dy	≤ 0.5 ppb	Mo	≤ 0.5 ppb	Tb	≤ 0.5 ppb
Identification	Positive	Er	≤ 0.5 ppb	Nd	≤ 0.5 ppb	Tl	≤ 0.5 ppb
Colour	≤ 10 APHA	Eu	≤ 0.5 ppb	Ni	≤ 1 ppb	Th	≤ 1 ppb
Al	≤ 1 ppb	Gd	≤ 0.5 ppb	Pd	≤ 0.5 ppb	Tm	≤ 0.5 ppb
Sb	≤ 0.5 ppb	Ga	≤ 0.5 ppb	Pt	≤ 0.5 ppb	Sn	≤ 1 ppb
As	≤ 0.5 ppb	Au	≤ 0.5 ppb	K	≤ 1 ppb	Ti	≤ 1 ppb
Ba	≤ 1 ppb	Hg	≤ 0.5 ppb	Pr	≤ 0.5 ppb	U	≤ 0.5 ppb
Be	≤ 0.5 ppb	In	≤ 0.5 ppb	Rh	≤ 0.5 ppb	V	≤ 0.5 ppb
Bi	≤ 0.5 ppb	Fe	≤ 1 ppb	Rb	≤ 0.5 ppb	Yb	≤ 0.5 ppb
Cd	≤ 1 ppb	La	≤ 0.5 ppb	Sm	≤ 0.5 ppb	Y	≤ 0.5 ppb
Ca	≤ 1 ppb	Pb	≤ 1 ppb	Sc	≤ 0.5 ppb	Zn	≤ 1 ppb
Ce	≤ 0.5 ppb	Li	≤ 0.5 ppb	Ag	≤ 1 ppb	Zr	≤ 0.5 ppb
Cs	≤ 0.5 ppb	Lu	≤ 0.5 ppb	Na	≤ 1 ppb	Assay (acidimetric)	65 ÷ 71 %
Co	≤ 0.5 ppb	Mg	≤ 1 ppb	Sr	≤ 0.5 ppb		
Cu	≤ 0.5 ppb	Mn	≤ 1 ppb	Te	≤ 0.5 ppb		

Code	Size	Packaging	Notes
409193	1 l	Plastic bottle	

**Perchloric acid 65%**

• Acido perclorico 65% • Acide perchlorique 65% • Acido perclórico 65% • Perchlorsäure 65%

HClO₄
Molecular Weight: 100,47
CAS: 7601-90-3**Classification transport**
ONU: 1873
Transport Hazard class: 5.1
Packing group I**Danger**
H271-H302-H314
P210-P280-P283-P301+P330+P331-
P303+P361+P353-P304+P340-P310a-
P305+P351+P338**Perchloric acid 65% > RS - For environmental analysis - ISO****RS**

Description	Clear liquid	Residue on ignition	≤30 ppm	Cr	≤0.2 ppm	Pb	≤0.05 ppm
Colour (APHA)	≤10	Sulphate	≤4 ppm	Cu	≤0.1 ppm	Sr	≤0.02 ppm
Identification	Positive	Ag	≤0.1 ppm	Fe	≤0.5 ppm	Ti	≤0.1 ppm
Density at 20° C	1.587 ÷ 1.607	Al	≤0.05 ppm	Hg	≤0.02 ppm	Tl	≤0.05 ppm
Total nitrogen	≤10 ppm	As	≤0.05 ppm	K	≤0.1 ppm	V	≤0.05 ppm
Chlorate	≤10 ppm	Ba	≤0.02 ppm	Li	≤0.02 ppm	Zn	≤0.1 ppm
Free chlorine	≤0.5 ppm	Bi	≤0.1 ppm	Mg	≤0.5 ppm	Assay (acidimetric)	64 ÷ 66 %
Chloride	≤1 ppm	Ca	≤0.5 ppm	Mn	≤0.02 ppm		
Fluoride	≤1 ppm	Cd	≤0.005 ppm	Mo	≤0.05 ppm		
Phosphate-silicate(SiO ₂)	≤1 ppm	Co	≤0.05 ppm	Ni	≤0.1 ppm		

Code	Size	Packaging	Notes
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409121	1 l	Glass bottle	
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Low content in Hg**Perchloric acid 65% > RPE - For analysis - ISO****RPE**

Description	Clear liquid	Heavy metals (Pb)	≤1 ppm	Cd	≤0.05 ppm	Ni	≤0.1 ppm
Colour (APHA)	≤10	Residue on ignition	≤30 ppm	Co	≤0.05 ppm	Pb	≤0.05 ppm
Identification	Positive	Sulphate	≤5 ppm	Cu	≤0.1 ppm	Sr	≤0.02 ppm
Density at 20° C	1.587 ÷ 1.607	Ag	≤0.1 ppm	Fe	≤0.5 ppm	Tl	≤0.1 ppm
Total nitrogen	≤10 ppm	Al	≤0.05 ppm	K	≤0.1 ppm	Ti	≤0.05 ppm
Chlorate	≤10 ppm	As	≤0.05 ppm	Li	≤0.02 ppm	V	≤0.05 ppm
Free chlorine	≤0.5 ppm	Ba	≤0.02 ppm	Mg	≤0.5 ppm	Zn	≤0.1 ppm
Chloride	≤1 ppm	Bi	≤0.1 ppm	Mn	≤0.02 ppm	Assay (acidimetric)	64 ÷ 66 %
Phosphate-silicate(SiO ₂)	≤5 ppm	Ca	≤0.5 ppm	Mo	≤0.05 ppm		

Code	Size	Packaging	Notes
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409111	1 l	Glass bottle	
409113	35 kg	Drum	

Perchloric acid 65% > RE - Pure**RE**

Description	Clear colourless liquid	Total nitrogen	≤50 ppm	Heavy metals (Pb)	≤1 ppm	Fe	≤5 ppm
Identification	Positive	Chloride	≤10 ppm	Residue on ignition	≤50 ppm	Assay (acidimetric)	64 ÷ 66 %
Density at 20° C	1.587 ÷ 1.607	Phosphate-silicate(SiO ₂)	≤50 ppm	Sulphate	≤50 ppm		

Code	Size	Packaging	Notes
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306091	1 l	Glass bottle	
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**Perchloric acid 0.1 mol/l (0.1N)**

• Acido perclorico 0.1 mol/l (0.1N) • Acide perchlorique 0.1 mol/l (0.1N) • Acido perclórico 0.1 mol/l (0.1N) • Perchlorsäure 0.1 mol/l (0.1N)

Classification transport
ONU: 2789
Transport Hazard class: 8
Packing group II**Danger**
H226-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Perchloric acid 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2****RS**

Code	Size	Packaging	Notes
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613003900	1 l	Glass bottle	Ref Ph.Eur 3003900
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Perchloric acid 0.1 mol/l (0.1N) in acetic acid

- Acido perclorico 0.1 mol/l (0.1N) in acido acetico • Acide perchlorique 0.1 mol/l (0.1N) dans l'acide acétique
- Acido perclórico 0.1 mol/l (0.1N) en acido acético • Perchlorsäure 0.1 mol/l (0.1N) essigsäure

Classification transport

ONU: 2789
 Transport Hazard class: 8
 Packing group II



Danger

H226-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Perchloric acid 0.1 mol/l (0.1N) in acetic acid > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0998 - 0.1002 N NIST 84.....

Code	Size	Packaging	Notes
409136	500 ml	Glass bottle	Certified with NIST traceability
409131	1 l	Glass bottle	Certified with NIST traceability

10,046 g of HClO₄. Volumetric solution ready-to-use. Content is guaranteed for standardized volumes at 20 °C



Perchloric acid 0.05 mol/l (0.05N)

- Acido perclorico 0.05 mol/l (0.05N) • Acide perchlorique 0.05 mol/l (0.05N) • Acido perclórico 0.05 mol/l (0.05N) • Perchlorsäure 0.05 mol/l (0.05N)

Classification transport

Transport Hazard class: 8
 Packing group II



Perchloric acid 0.05 mol/l (0.05N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613004000	1 l	Glass bottle	Ref Ph.Eur 3004000



Perchloric acid 0.01 mol/l (0.01N)

- Acido perclorico 0.01 mol/l (0.01N) • Acide perchlorique 0.01 mol/l (0.01N) • Acido perclórico 0.01 mol/l (0.01N) • Perchlorsäure 0.01 mol/l (0.01N)

Classification transport

ONU: 2789
 Transport Hazard class: LQ



Danger

H226-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Perchloric acid 0.01 mol/l (0.01N) > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E409141	500 ml	Glass bottle	

1.0046 g of HClO₄. Volumetric solution ready-to-use. Solution in acetic anhydride



Perchloric acid solution

- Acido perclorico soluzione • Acide perchlorique solution • Acido perclórico solución • Perchlorsäurelösung

Perchloric acid solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611062901	100 ml	Plastic bottle	Ref Ph.Eur 1062901

**Periodic acid**

• Acido periódico • Acide périodique • Acido periódico • Periodsäure

HIO₄·2H₂O

Molecular Weight: 227,94

CAS: 10450-60-9

EEC-N: 233-937-0

Classification transport

ONU: 3084

Transport Hazard class: 8

Packing group II

**Danger**

H272-H314

P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Periodic acid > RPE - For analysis**RPE**

Description Colorless or White crystals Iodide ≤ 0.005 % Chloride ≤ 0.02 %
 Assay ≥ 99 % Water insolubles ≤ 0.02 % Residue on ignition (SO₄) ≤ 0.1 %

Code	Size	Packaging	Notes
409182	25 g	Glass bottle	
409184	100 g	Glass bottle	
409185	250 g	Glass bottle	

**Petroleum**

• Petrolio • Pétrole • Petróleo • Petroleum

CAS: 64771-72-8

EEC-N: 929-018-5

**Danger**

H304-HEU066

P301+P310a-P331-P405-P501a

Petroleum > RE - Pure**RE**

Description Clear colourless liquid Density at 15°C 0.746 ÷ 0.752 Residue on ignition ≤ 100 ppm
 Identification (I.R.) Positive Boiling point 185 ÷ 245 °C

Code	Size	Packaging	Notes
357151	1 l	Glass bottle	
357155	21 kg	Metal drum	

**Petroleum benzin E**

• Benzina E • Essence E • Benzina de Petroleo E • Benzin E

CAS: 64742-49-0

Classification transport

ONU: 3295

Transport Hazard class: 3

Packing group II

**Danger**

H225-H315-H336-H304-H411

P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum benzin E > RE - Pure**RE**

Density d15/4 0.720 - 0.745 Aromatic compounds ≤ 100 mg/Kg Total sulphur (S) ≤ 5 ppm
 Colour ≤ 10 Hazen Boiling point 100 - 140 °C

Code	Size	Packaging	Notes
P0370048	25 l	Metal drum	



Petroleum ether 100 - 140°C

• Etere di petrolio (Ligroina) 100 - 140°C • Ether de pétrole 100 - 140°C • Eter de petróleo 100 - 140°C • Petrolether 100 - 140°C

CAS: 64742-49-0
EEC-N: 265-151-9

Classification transport
ONU: 3295
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H304-H411-HEU066
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 100 - 140°C > RE - Pure

RE

Description Clear colourless liquid Residue on evaporation ≤ 50 ppm Aromatics (Thiophene) ≤ 0.06 %
Water (K.F.) ≤ 200 ppm Density at 15° C 0.725 ÷ 0.740 Boiling point min. ≥100 °C
Identification Positive Total sulphur ≤ 10 ppm Boiling point max. ≤140 °C

Code	Size	Packaging	Notes
348913	1 l	Glass bottle	
348912	2.5 l	Glass bottle	
508230	5 l	Plastic tank	
348914	20 kg	Metal drum	
508232	25 l	Metal drum	



Petroleum ether 80 - 120°C

• Etere di petrolio (Ligroina) 80 - 120°C • Ether de pétrole 80 - 120°C • Eter de petróleo 80 - 120°C • Petrolether 80 - 120°C

CAS: 64742-49-0

Classification transport
ONU: 1268
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 80 - 120°C > RE - Pure

RE

Description Clear colourless liquid Density at 15° C ≥0.723 Boiling point min. ≥80 °C
Identification Positive Residue on evaporation ≤100 ppm Boiling point max. ≤120 °C

Code	Size	Packaging	Notes
348901	1 l	Glass bottle	
348905	2.5 l	Glass bottle	



Petroleum ether 80 - 100°C

• Etere di petrolio (Benzina) 80 - 100°C • Ether de pétrole 80 - 100°C • Eter de petróleo 80 - 100°C • Petrolether 80 - 100°C

CAS: 64742-49-0

Classification transport
ONU: 1268
Transport Hazard class: 3
Packing group II



Danger
H225-H315-H336-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 80 - 100°C > RPE - For analysis

RPE

Description Clear colourless liquid CCl4 miscibility Complete Density at 15° C ~ 0.709 Subst. reducing KMnO4 ≤20 ppm (5m)
Colour (APHA) ≤10 Anhyd.Ethyl alc.miscib. Complete Water (K.F.) ≤0.01 % Total sulphur ≤50 ppm
Identification Positive Benzene miscibility Complete Residue on evaporation ≤10 ppm
Boiling point 80 ÷ 100 °C Diethyl ether miscib. Complete Acidity (acetic acid) ≤5 ppm
Carb.sulf. miscibility Complete Ready carbonizable substances Conform Aromatics ≤100 ppm

Code	Size	Packaging	Notes
427031	1 l	Glass bottle	
427036	18 kg	Metal drum	

Petroleum ether 80 - 100°C > RE - Pure

RE

Description Clear colourless liquid Density at 15° C ~ 0.708 Boiling point min.>80 °C
 Identification Positive Residue on evaporation ≤100 ppm Boiling point max.....≤100 °C

Code	Size	Packaging	Notes
323501	1 l	Glass bottle	
323503	2.5 l	Glass bottle	
323502	19 kg	Metal drum	



Petroleum ether 75 - 120°C

• Etere di petrolio (Ligroina) 75 - 120°C • Ether de pétrole 75 - 120°C • Eter de petróleo 75 - 120°C • Petrolether 75 - 120°C

CAS: 64742-49-0

Classification transport

ONU: 1268
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H336-H304-H411
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 75 - 120°C > RPE - For analysis

RPE

Description Clear colourless liquid Boiling point min. ≥75 °C Water (K.F.) ≤50 ppm Subst. reducing KMnO4 ≤20 ppm (5m)
 Identification Positive Boiling point max..... ≤120 °C Residue on evaporation ≤10 ppm Total sulphur ≤50 ppm
 Diethyl ether miscib. Complete Ready carbonizable substances..... Conform Acidity (acetic acid)..... ≤0.7 ppm
 Misc.with Abs.Ethanol..... Complete Density at 15° C ≥0.715 Alkalinity (NH3)..... ≤0.2 ppm

Code	Size	Packaging	Notes
458001	1 l	Glass bottle	
458003	2.5 l	Glass bottle	



Petroleum ether 60 - 80°C

• Etere di petrolio (Benzina) 60 - 80°C • Ether de pétrole 60 - 80°C • Eter de petróleo 60 - 80°C • Petrolether 60 - 80°C

CAS: 64742-49-0

Classification transport

ONU: 1268
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H361f-H336-H373-H304-H411
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 60 - 80°C > RPE - For analysis

RPE

Description Clear liquid Boiling point..... 60 ÷ 80 °C Water (K.F.) ≤100 ppm Subst. reducing KMnO4 ≤20 ppm (5m)
 Colour (APHA) ≤10 Ready carbonizable substances..... Conform Residue on evaporation ≤10 ppm Total sulphur ≤50 ppm
 Identification Positive Density at 20° C 0.660 ÷ 0.690 Acidity (acetic acid)..... ≤5 ppm

Code	Size	Packaging	Notes
427001	1 l	Glass bottle	
427003	2.5 l	Glass bottle	
427007	18 kg	Metal drum	



Petroleum ether 55 - 85°C

• Etere di petrolio (Benzina) 55 - 85°C • Ether de pétrole 55 - 85°C • Eter de petróleo 55 - 85°C • Petrolether 55 - 85°C

CAS: 64742-49-0

Classification transport

ONU: 1268
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H361f-H336-H373-H411
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 55 - 85°C > RE - Pure

RE

Description Clear colourless liquid Density at 20°C 0.660 ÷ 0.690 Boiling point min. ≥55 °C
 Identification Positive Residue on evaporation ≤100 ppm Boiling point max..... ≤85 °C

Code	Size	Packaging	Notes
323401	1 l	Glass bottle	
323403	2.5 l	Glass bottle	
323402	18 kg	Metal drum	



Petroleum ether 40 - 70°C

• Etere di petrolio 40 - 70°C • Ether de pétrole 40 - 70°C • Eter de petróleo 40 - 70°C • Petrolether 40 - 70°C

CAS: 64742-49-0

Classification transport

ONU: 1268
Transport Hazard class: 3
Packing group II



Danger

H225-H315-H336-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 40 - 70°C > RPE - For analysis

RPE

Description	Clear liquid	Residue on evaporation	≤20 ppm	Total sulphur	≤50 ppm	Fe	≤0.1 ppm
Colour (APHA)	≤10	Water (K.F.)	≤100 ppm	Al	≤0.5 ppm	Mg	≤0.1 ppm
Identification	Positive	Boiling point min.	≥40 °C	Ba	≤0.1 ppm	Mn	≤0.02 ppm
Alcohol miscibility	Complete	Boiling point max.	≤70 °C	Ca	≤0.5 ppm	Ni	≤0.02 ppm
Diethyl ether miscib.	Complete	Acidity (acetic acid)	≤0.7 ppm	Cd	≤0.05 ppm	Pb	≤0.1 ppm
Fat oils	Conform	Alcalinity (NH3)	≤0.2 ppm	Co	≤0.02 ppm	Sn	≤0.1 ppm
Ready carbonizable substances	Conform	Benzene	≤100 ppm	Cr	≤0.02 ppm	Zn	≤0.1 ppm
Density at 15° C	0.645 ÷ 0.670	Subst. reducing KMnO4	≤20 ppm (5m)	Cu	≤0.02 ppm		

Code	Size	Packaging	Notes
447821	1 l	Glass bottle	
447824	5 l	Aluminium can	
447822	19 kg	Aluminium can	

Petroleum ether 40 - 70°C > RE - Pure

RE

Description	Clear liquid	Density at 15° C	0.645 ÷ 0.670	Benzene	≤200 ppm
Colour (APHA)	≤10	Residue on evaporation	≤100 ppm	Boiling point min.	≥40 °C
Identification	Positive	Water (K.F.)	≤100 ppm	Boiling point max.	≤70 °C

Code	Size	Packaging	Notes
341024	1 l	Glass bottle	
341022	19 kg	Aluminium can	



Petroleum ether 40 - 65°C

• Etere di petrolio 40 - 65°C • Ether de pétrole 40 - 65°C • Eter de petróleo 40 - 65°C • Petrolether 40 - 65°C

CAS: 64742-49-0

Classification transport

ONU: 1268
Transport Hazard class: 3
Packing group II



Danger

H225-H315-H336-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 40 - 65°C > RS - PESTIPUR - For pesticide analysis

RS

Appearance	Clear colourless liquid	Water content (K.F.)	≤ 100 mg/Kg	Ret.range 1,2,4-trichlorobenzene to decachlorobiphenyle	Retention time Atrazin to Coumaphos
Boiling point	40 - 65 °C	Non volatile residue	≤ 2 mg/Kg	GC-NPD.Individual peak (Ethylparathion) ≤ 3 ng/l	
Density d15/4	0.640 - 0.655	GC chromatogram	Conform		
Colour	≤ 10 Hazen	GC-ECD.Individual peak (Lindane)	≤ 3 ng/L		

Code	Size	Packaging	Notes
447851	1 l	Glass bottle	
447852	2.5 l	Glass bottle	

For chlorinated compounds analysis

Petroleum ether 40 - 65°C > RPE - For analysis

RPE

Description	Clear colourless liquid	Refractive index at 20°C	1.366 ÷ 1.376	Water (K.F.)	≤ 100 ppm	Aromatic compounds	≤ 100 ppm
Colour	≤ 10 APHA	Boiling point	40 ÷ 65 °C	Assay (CPG)	Conform		
Density at 15°C	0.645 ÷ 0.660	Residue on evaporation	≤ 10 ppm	n-Hexane	≤ 2 %		

Code	Size	Packaging	Notes
447811	1 l	Glass bottle	
447812	2.5 l	Glass bottle	
447813	5 l	Plastic tank	
447814	10 l	Metal tank	
447815	25 l	Metal drum	
447816	200 l	Metal drum	



Petroleum ether 40 - 60°C

• Etere di petrolio 40 - 60°C • Ether de pétrole 40 - 60°C • Eter de petróleo 40 - 60°C • Petrolether 40 - 60°C

CAS: 64742-49-0

Classification transport

ONU: 1268
Transport Hazard class: 3
Packing group II



Danger

H225-H315-H336-H304-H411
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 40 - 60°C > RPE - For analysis

RPE

Description	Clear liquid	Ready carbonizable substances	Conform	Total sulphur	≤50 ppm	Fe	≤0.1 ppm
Colour (APHA)	≤10	Density at 15° C	0.647 ÷ 0.654	Al	≤0.5 ppm	Mg	≤0.1 ppm
Identification	Positive	Residue on evaporation	≤10 ppm	Ba	≤0.1 ppm	Mn	≤0.02 ppm
Alcohol miscibility	Complete	Water (K.F.)	≤100 ppm	Ca	≤0.5 ppm	Ni	≤0.02 ppm
Diethyl ether miscib.	Complete	Acidity (acetic acid)	≤0.7 ppm	Cd	≤0.05 ppm	Pb	≤0.1 ppm
Boiling point min.	≥40 °C	Alcalinity (NH3)	≤0.2 ppm	Co	≤0.02 ppm	Sn	≤0.1 ppm
Boiling point max.	≤60 °C	Benzene	≤100 ppm	Cr	≤0.02 ppm	Zn	≤0.1 ppm
Fat oils	Conform	Subst. reducing KMnO4	≤20 ppm (5m)	Cu	≤0.02 ppm	Bromine rating	≤ 1

Code	Size	Packaging	Notes
447833	1 l	Glass bottle	
447831	2.5 l	Glass bottle	
447832	5 l	Aluminium can	
447836	5 l	Plastic tank	
447834	19 kg	Aluminium can	

Petroleum ether 40 - 60°C > RE - Pure

RE

Description	Clear liquid	Density at 20°C	0.643 ÷ 0.673	Water (K.F.)	≤ 200 ppm
Colour	≤ 10 APHA	Refractive index at 20°C	1.368 ÷ 1.378	Aromatics	≤100 ppm
Identification	Positive	Residue on evaporation	≤ 20 ppm	Distillation intervalle	40 ÷ 60 °C

Code	Size	Packaging	Notes
528283	5 l	Plastic tank	



Petroleum ether 35 - 60°C

• Etere di petrolio 35 - 60°C • Ether de pétrole 35 - 60°C • Eter de petróleo 35 - 60°C • Petrolether 35 - 60°C

CAS: 109-66-0

Classification transport

ONU: 1265
Transport Hazard class: 3
Packing group II



Danger

H225-H336-H304-H411-HEU066
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 35 - 60°C > RS - ATRASOL - For trace analysis, Suitable for Hydrocarbon index determination

RS

Appearance	Clear colourless liquid	Colour	≤ 5 Hazen	Ret.range 1,2,4-trichlorobenzene	Retention time n-decane - n-tetracontane
Refractive index at 20°C	1.355 - 1.359	Non volatile residue	≤ 2 mg/Kg	to decachlorobiphenyle	GC-FID.Individual peak (C10-C40) ..≤ 5 µg/l
Water content (K.F.)	≤ 50 mg/Kg	GC-ECD.Individual peak (Lindane)	≤ 3 ng/L	GC-FID.Hydrocarbon oil index	≤ 0.05 mg/l

Code	Size	Packaging	Notes
P0883216	1 l	Glass bottle	
P0883221	2.5 l	Glass bottle	

According to NF-EN-ISO9377-2 for hydrocarbon index determination. Contains n-Pentane, iso-Pentane, 1-pentene, 2,2-Dimethylbutane and cyclopentane

Petroleum ether 35 - 60°C > RS - PESTIPUR - For pesticide analysis

RS

Clear, colourless liq. appearance	Conform	Refractive index at 20°C	1.355 - 1.359	Retention time trichlorobenzene to mirex	GC-NPD.Individual peak (Ethylparathion) ≤ 3 ng/l
Identification	Conform	Water content (K.F.)	≤ 100 mg/Kg	Non volatile residue	≤ 2 mg/Kg
Colour	≤ 10 Apha	GC-ECD.Individual peak (Lindane)	≤ 3 ng/l	Total sulphur (S)	≤ 10 ppm

Code	Size	Packaging	Notes
447862	1 l	Glass bottle	
447861	2.5 l	Glass bottle	

For chlorinated and nitrogenous compounds analysis. Contains n-Pentane, iso-Pentane, 1-pentene, 2,2-Dimethylbutane and cyclopentane

Petroleum ether 35 - 60°C > RPE - For analysis

RPE

Description	Clear liquid	Density at 20°C	0.643 ÷ 0.673	Water (K.F.)	≤ 150 ppm	Bromine rating	≤ 1
Colour	≤ 10 APHA	Refractive index at 20°C	1.368 ÷ 1.378	Aromatics	≤ 20 ppm	Distillation intervalle	35 ÷ 60 °C
Identification	Positive	Residue on evaporation	≤ 10 ppm	Total sulphur	≤ 10 ppm	Assay (CPG)	Conform

Code	Size	Packaging	Notes
528070	1 l	Glass bottle	
528071	2.5 l	Glass bottle	
528280	5 l	Plastic tank	
528281	25 l	Metal drum	
528282	200 l	Metal drum	



Petroleum ether 30 - 50°C

• Etere di petrolio 30 - 50°C • Ether de pétrole 30 - 50°C • Eter de petróleo 30 - 50°C • Petrolether 30 - 50°C

CAS: 109-66-0

Classification transport

ONU: 1268
 Transport Hazard class: 3
 Packing group II



Danger

H225-H336-H304-H411
 P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 30 - 50°C > RPE - For analysis

RPE

Description	Clear liquid	Residue on evaporation	≤10 ppm	Subst. reducing KMnO4	≤20 ppm (5m)	Cu	≤0.02 ppm
Colour (APHA)	≤10	Water (K.F.)	≤100 ppm	Total sulphur	≤50 ppm	Fe	≤0.1 ppm
Identification	Positive	Boiling point min.	≥30 °C	Al	≤0.5 ppm	Mg	≤0.1 ppm
Alcohol miscibility	Complete	Boiling point max.	≤50 °C	Ba	≤0.1 ppm	Mn	≤0.02 ppm
Diethyl ether miscib.	Complete	Acidity (acetic acid)	≤0.7 ppm	Ca	≤0.5 ppm	Ni	≤0.02 ppm
Fat oils	Conform	Alcalinity (NH3)	≤0.2 ppm	Cd	≤0.05 ppm	Pb	≤0.1 ppm
Ready carbonizable substances	Conform	Benzene	≤100 ppm	Co	≤0.02 ppm	Sn	≤0.1 ppm
Density at 15° C	≥0.633	Unsaturated hydrocarbon	≤0.4 %	Cr	≤0.02 ppm	Zn	≤0.1 ppm

Code	Size	Packaging	Notes
447801	1 l	Glass bottle	
447804	5 l	Aluminium can	
447802	18 kg	Aluminium can	

Petroleum ether 30 - 50°C > RE - Pure

RE

Description	Clear colourless liquid	Density at 15° C	≥0.633	Boiling point min.	≥30 °C
Identification	Positive	Residue on evaporation	≤100 ppm	Boiling point max.	≤50 °C

Code	Size	Packaging	Notes
341034	1 l	Glass bottle	
341032	18 kg	Aluminium can	



Petroleum ether 30 - 40°C

• Etere di petrolio 30 - 40°C • Ether de pétrole 30 - 40°C • Eter de petróleo 30 - 40°C • Petrolether 30 - 40°C

CAS: 109-66-0

Classification transport

ONU: 1265
Transport Hazard class: 3
Packing group II



Danger

H225-H336-H304-H411-HEU066
P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Petroleum ether 30 - 40°C > RPE - For analysis

RPE

Description	Clear liquid	Ready carbonizable substances.....	Conform	Subst. reducing KMnO4.....	≤20 ppm (5m)	Cu.....	≤0.02 ppm
Colour (APHA)	≤10	Density at 15° C	≥0.630	Total sulphur	≤50 ppm	Fe	≤0.1 ppm
Identification	Positive	Water (K.F.)	≤100 ppm	Al	≤0.5 ppm	Mg	≤0.1 ppm
Alcohol miscibility.....	Complete	Residue on evaporation	≤10 ppm	Ba	≤0.1 ppm	Mn	≤0.02 ppm
Diethyl ether miscib.....	Complete	Acidity (acetic acid).....	≤0.7 ppm	Ca	≤0.5 ppm	Ni	≤0.02 ppm
Boiling point min.	≥30 °C	Alcalinity (NH3).....	≤0.2 ppm	Cd	≤0.05 ppm	Pb	≤0.1 ppm
Boiling point max.....	≤40 °C	Benzene	≤200 ppm	Co	≤0.02 ppm	Sn	≤0.1 ppm
Fat oils	Conform	Unsaturated hydrocarbon.....	≤0.4 %	Cr	≤0.02 ppm	Zn	≤0.1 ppm

Code	Size	Packaging	Notes
447793	1 l	Glass bottle	
447795	5 l	Aluminium can	
447792	18 kg	Aluminium can	

Phenacetin ► p-Acetylphenetidine



o-Phenanthroline monohydrate

• o-Fenantrolina monoidrata • o-Phénanthroline monohydraté • o-Fenantrolina monohidratato • o-Phenanthrolinmonohydrat

Synonym:
1,10-Phenanthroline monohydrate

C₁₂H₈N₂·H₂O
Molecular Weight: 198,21
CAS: 5144-89-8
EEC-N: 200-629-2

Classification transport

ONU: 3143
Transport Hazard class: 6.1
Packing group III



Danger

H301-H410
P264-P270-P301+P310a-P330-P405-P501a

o-Phenanthroline monohydrate > RPE - For analysis - ACS

RPE

Description	White - pink powder	Suitab. as indicator.....	Conform	Assay	≥ 99.0 %
Identification	Positive	Iron sensitivity	Conform		

Code	Size	Packaging	Notes
450038	5 g	Glass bottle	
450039	25 g	Glass bottle	

Redox indicator

1,10-Phenanthroline iron(II) sulfate complex ► Ferrioin 0.025 mol/l solution



o-Phenanthroline-Iron (II) sulphate solution in sulphuric acid

• o-Fenantrolina - Ferro solfato osò soluzione in acido solforico • o-Phénanthroline-Fer (II) sulfate • o-Fenantrolina-Hierro (II) sulfato solución en acido sulfúrico • o-Phenanthrolin-Eisen (II) sulfat

Synonym:
• 1,10-Phenanthroline iron(II) sulfate complex
• Ferrioin

[Fe(C₁₂H₈N₂)₃]SO₄
Molecular Weight: 692,52
CAS: 14634-91-4



H412
P273-P501a

o-Phenanthroline-Iron (II) sulphate solution in sulphuric acid > RPE - For analysis

RPE

Description	Red clear liquid	Identification	Positive
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Code	Size	Packaging	Notes
E450043	100 ml	Glass bottle	

	Phenol • Fenolo • Phénol • Fenol • Phenol	Synonym: <i>Hydroxybenzene</i>	
	<chem>C6H5OH</chem> Molecular Weight: 94,11 CAS: 108-95-2 EEC-N: 203-632-7	Classification transport ONU: 1671 Transport Hazard class: 6.1 Packing group II	

Phenol > RPE - For analysis - ACS

RPE

Code	Size	Packaging	Notes
451271	1 kg	Plastic bottle	

For specifications, contact our customer service for a certificate of analysis

Phenol > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBapharm

Description	Crystalline mass	Appearance of solution	Conform Ph.Eur.	Water (K.F.)	≤0.5 %
Identification	Positive	Reaction, solution app.	Conform USP-NF	Not volatile residue	≤0.05 %
Acidity	Conform Ph.Eur.	Freezing point	≥ 39.5 °C	Assay (iodometric)	99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
343407	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Phenol liquified 85% • Fenolo liquido 85% • Phénol liquide 85% • Fenol liquido 85% • Phenol flüssiggas 85%	Synonym: <i>Hydroxybenzene</i>	
	<chem>C6H5OH</chem> Molecular Weight: 94,11 CAS: 108-95-2	Classification transport ONU: 2821 Transport Hazard class: 6.1 Packing group II	

Phenol liquified 85% > RE - Pure

RE

Description	Clear liquid	Reaction	Conform	Assay	82.0 ÷ 86.5 %
Identification	Positive	Not volatile residue	≤0.05 %		

Code	Size	Packaging	Notes
343411	1 l	Glass bottle	

	Phenol red • Rosso fenolo • Rouge de phénol • Rojo de fenol • Phenolrot	Synonym: <i>Phenolsulfonphthalein</i>	
	<chem>C19H14O5S</chem> Molecular Weight: 354,38 CAS: 143-74-8 EEC-N: 205-609-7		

Phenol red > RPE - For analysis - ACS

RPE

Description	Red crystalline powder	Appearance of solution	Conform ACS	pH range	6.8 - 8.2
Identification	Positive	Colour change	yellow red		

Code	Size	Packaging	Notes
476838	5 g	Glass bottle	
476839	25 g	Glass bottle	

Clark indicator series. Dye for microscopy

**Phenol Red solution 0.2% in ethanol**

- Rosso fenolo soluzione 0,2% in alcol etilico • Rouge de phénol solution 0.2% dans l'éthanol • Rojo de fenol solución 0.2% en alcohol etilico
- Phenolrote Lösung 0.2% in Ethanol

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Phenol Red solution 0.2% in ethanol > RPE - For analysis**RPE**

Description Red clear liquid Identification Positive Sensitivity(6.8-8.4) Conform Colour change..... yellow red

Code	Size	Packaging	Notes
E476845	250 ml	Glass bottle	

Indicator series Clark indicator acid-base**Phenol red solution**

- Rosso fenolo solzione • Rouge de phénol solution • Rojo de fenol solución • Phenolrote Lösung

HEU210

Phenol red solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611063601	100 ml	Plastic bottle	Ref Ph.Eur 1063601 / Colour change: pH 6.8 (yellow) to pH 8.4 (reddish-violet)
611063603	500 ml	Plastic bottle	Phenol red solution R2 Ref Ph.Eur 1063603

**Phenolphthalein**

- Fenolftaleina • Phénolphtaléine • Fenolftaleína • Phenolphthalein

Synonym:

3,3-bis(4-Hydroxyphenyl)-1(3H)isobenzofuranone



Molecular Weight: 318,33

CAS: 77-09-8

EEC-N: 201-004-7

**Danger**

H341-H350-H361f-HA26

P201-P202-P280-P308+P313-P405-P501a

Phenolphthalein > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**Description White powder Appear. of alcohol sol..... Conform pH range 8.0 ÷ 10.0
Identification Positive Colour change..... Colourless-red

Code	Size	Packaging	Notes
451154	100 g	Plastic bottle	
451156	500 g	Plastic bottle	

**Phenolphthalein solution 1% in ethanol**

- Fenolftaleina soluzione 1% in alcol etilico • Phénolphtaléine solution à 1% dans l'éthanol • Fenolftaleina solución 1% en alcohol etilico
- Phenolphthaleinlösung 1% in Ethanol

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group III

**Danger**

H226-H319-H341-H350-HA26

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P308+P313

Phenolphthalein solution 1% in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611063703	100 ml	Plastic bottle	Phenolphtalein solution R1 Ref Ph.Eur 1063703

Phenolphthalein solution 1% in ethanol > RS - For analysis according to USP**RS**

Code	Size	Packaging	Notes
617000131	100 ml	Plastic bottle	Phenolphtalein TS

Phenolphthalein solution 1% in ethanol > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Sensit. (pH 8.3-10.0) Conform Colour change colourless-purple

Code	Size	Packaging	Notes
451191	250 ml	Glass bottle	
E451191	250 ml	Glass bottle	Only for italian market
451192	1 l	Glass bottle	
E451192	1 l	Glass bottle	Only for italian market

Acid-base indicator



Phenolphthalein solution 0.1%

• Fenolftaleina soluzione 0.1% • Phénolphtaléine solution 0.1% • Fenolftaleina solución 0.1% • Phenolphthaleinlösung 0.1%

Classification transport

 ONU: 1170
 Transport Hazard class: 3
 Packing group II


Danger

 H225
 P210-P240-P241-P280-P303+P361+P353-P501a

Phenolphthalein solution 0.1% > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611063702	100 ml	Plastic bottle	Ref Ph.Eur 1063702



Phenolphtalein solution 0.1% in ethanol

 • Fenolftaleina soluzione 0.1% in alcol etilico • Phénolphtaléine solution 0.1% dans l'éthanol • Fenolftaleina solución 0.1% en etanol
 • Phenolphthaleinlösung 0.1% in Ethanol

Classification transport

 ONU: 1170
 Transport Hazard class: 3
 Packing group II


Danger

 H225
 P210-P240-P241-P280-P303+P361+P353-P501a

Phenolphtalein solution 0.1% in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611063709	1 l	Bottle	Ref Ph.Eur 1063702



L-Phenylalanine

• L-Fenilalanina • L-Phénylalanine • L-Fenilalanina • L-Phenylalanin

Synonym:

(S)-2-Amino-3-phenylpropionic acid
 $C_6H_5CH_2CH(NH_2)COOH$
 Molecular Weight: 165,19
 CAS: 63-91-2
 EEC-N: 200-568-1

L-Phenylalanine > RPE - For analysis

RPE

 Description White crystalline powder Pb ≤ 10 ppm Heavy metals (Pb) ≤ 20 ppm
 Identification Positive pH solution 1% 5.4 ÷ 6.0 Residue on ignition ≤ 0.1 %
 Potere rotator. specif. (C=2 in Acqua) -33.0 ÷ -35.2 ° s.s. Loss on drying ≤ 0.3 % Assay (non-aqueous medium) 98.5 ÷ 102.0 % (s.s.)

Code	Size	Packaging	Notes
450328	5 g	Glass bottle	
450329	100 g	Glass bottle	

**2-Phenylethanol**

• Alcole 2-feniletílico • 2-Phényléthanol • Alcohol 2-feniletílico • 2-Phenylethanol

Synonym:
2-Phenylethyl alcoholC₈H₈CH₂CH₂OH
Molecular Weight: 122,17
CAS: 60-12-8
EEC-N: 200-456-2**Warning**H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a**2-Phenylethanol > ERBApharm - According to pharmacopoeia: USP****ERBApharm**Description Clear colourless liquid Aldehyde Conform USP-NF Sulphated ash ≤50 ppm
Identification Positive Density at 25° C 1.017 ÷ 1.020 Residue solvents Conform USP-NF
Chlorinated compounds Conform USP-NF Refractive index at 20°C 1.531 ÷ 1.534 Origin (BSE/TSE) Vegetable

Code	Size	Packaging	Notes
529022	1 l	Glass bottle	
529021	2.4 l	Glass bottle	

In case of Expicient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**2-Phenylethanol > RE - Pure****RE**Description Liquido limpido incolore Density at 20° C 1.017 ÷ 1.023 Assay (CPG) ≥ 98 %
Identification Positive Refractive index at 20° C 1.529 ÷ 1.535

Code	Size	Packaging	Notes
308731	1 l	Glass bottle	

**Phenylhydrazine hydrochloride**

• Fenilidrazina cloridrato • Phénylhydrazine chlorhydrate • Fenilhidracina clorhidrato • Phenylhydrazinhydrochlorid

C₈H₅NHNH₂.HCl
Molecular Weight: 144,61
CAS: 59-88-1
EEC-N: 200-444-7**Classification transport**ONU: 2811
Transport Hazard class: 6.1
Packing group III**Danger**H301-H311-H331-H315-H319-H317-H341-H350-
H372-H400-HA26
P280-P304+P340-P305+P351+P338-P308+P313-
P330-P361+P364-P403+P233**Phenylhydrazine hydrochloride > RPE - For analysis****RPE**

Description White to light yellow to pink-beige Identification Positive Sulphated ash ≤ 0.2 % Assay (acidimetric) ≥ 99.0 %

Code	Size	Packaging	Notes
450843	50 g	Plastic bottle	

**Phenylhydrazine hydrochloride solution**

• Fenilidrazina cloridrato soluzione • Phénylhydrazine chlorhydrate solution • Fenilhidracina clorhidrata solución • Phenylhydrazinhydrochloridlösung

C₈H₅N₂.HCl
Molecular Weight: 144,6
CAS: 59-88-1**Classification transport**ONU: 3264
Transport Hazard class: 8
Packing group III**Danger**H290-H350-HEU208-HA26
P234-P280-P308+P313-P390-P406-P501a**Phenylhydrazine hydrochloride solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1****RS**

Code	Size	Packaging	Notes
611064501	100 ml	Glass bottle	Ref Ph.Eur 1064501

Phloroglucinol
 • Floroglucina • Phloroglucinol • Floroglucina • Phloroglucin

Synonym:
 1,3,5-Trihydroxybenzene

1,3,5-(OH)₃C₆H₃
 Molecular Weight: 126,11
 CAS: 108-73-6
 EEC-N: 203-611-2



Warning
 H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Phloroglucinol > RE - Pure

RE

Description Polvere o scaglie bianche Melting point..... 213 - 218 ° C Assay (HPLC) ≥99 %
 Identification Positive Water (K.F.) ≤ 2 %

Code	Size	Packaging	Notes
452031	10 g	Glass bottle	
452033	50 g	Glass bottle	

Phloxin B
 • Floxina B • Phloxine B • Floxina B • Phloxin B

Synonym:
 • Acid Red 92
 • 2',4',5',7'-Tetrabromo-4,5,6,7-tetrafluoresceine disodium salt

C₂₀H₂Br₄Cl₄Na₂O₅
 Molecular Weight: 829,64
 CAS: 18472-87-2
 EEC-N: 242-355-6

Phloxin B > RS - For microscopy - C.I. 45410

RS

Description Red brown powder Identification Positive

Code	Size	Packaging	Notes
452051	10 g	Glass bottle	
452052	25 g	Glass bottle	

Dye for botanical, cytology and histology

Phosphate standard solution
 • Fosfati standard soluzione • Phosphate solution standard • Fosfato, solución patrón • Phosphat-Standardlösung

Phosphate standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615002200	100 ml	Plastic bottle	A 5 ppm solution: to dilute according to Ref Ph.Eur 5002200
615004200	1 l	Plastic bottle	A 200 ppm solution Ref Ph.Eur 5004200

Phosphate standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503341	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503343	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Phosphate buffer pH 9.0
 • Tampone fosfato pH 9.0 • Tampon phosphate pH 9.0 • Tampon fosfato pH 9.0 • Pufferlösung phosphat pH 9.0

Phosphate buffer pH 9.0 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614008300	1 l	Plastic bottle	Ref Ph.Eur 4008300

**Phosphate buffer pH 7.4**

• Tampon fosfato pH 7.4 • Tampon phosphate pH 7.4 • Tampon fosfato pH 7.4 • Pufferlösung phosphat pH 7.4

Phosphate buffer pH 7.4 > RS - For analysis

RS

Temperature of measurement 19 - 21 °C pH..... 7.35 - 7.45 unité pH

Code	Size	Packaging	Notes
524965	5 l	Kubidos	
PS0740/95	5 l	Kubidos	

Composition: Potassium dihydrogen phosphate 1.9g/l, disodium hydrogen phosphate 19.3g/l, deionized water 992.5 g/l. Traceable to NIST**Phosphate buffer pH 7.4 > RS - For analysis according to Ph. Eur. Chap. 4.1.3**

RS

Code	Size	Packaging	Notes
614004800	1 l	Plastic bottle	Ref Ph.Eur 4004800

**Phosphate buffer pH 7.2**

• Tampon fosfato pH 7.2 • Tampon phosphate pH 7.2 • Tampón fosfato pH 7.2 • Pufferlösung phosphat pH 7.2

Phosphate buffer pH 7.2 > RS - For analysis

RS

pH..... 7.16 ÷ 7.24 Temperature 19 ÷ 21 °C

Code	Size	Packaging	Notes
525925	2.5 l	Glass bottle	
525921	25 l	Plastic tank	

**Phosphate buffer pH 6.8**

• Tampon fosfato pH 6.8 • Tampon phosphate pH 6.8 • Tampon fosfato pH 6.8 • Pufferlösung phosphat pH 6.8

Phosphate buffer pH 6.8 > RS - For analysis

RS

pH..... 6.75 - 6.85 Temperature 19 ÷ 21 °C

Code	Size	Packaging	Notes
524952	10 l	Plastic tank	

Composition: Potassium dihydrogen phosphate 6.8g/l, sodium hydroxide 0.9g/l, deionized water 992.3 g/l. Traceable to NIST**Phosphate buffer pH 6.8 > RS - For analysis according to Ph. Eur. Chap. 4.1.3**

RS

Code	Size	Packaging	Notes
614003400	1 l	Plastic bottle	Ref Ph.Eur 4003400

**Phosphate buffer pH 6.0**

• Tampon fosfato pH 6.0 • Tampon phosphate pH 6.0 • Tampon fosfato pH 6.0 • Pufferlösung phosphat pH 6.0

Phosphate buffer pH 6.0 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614002400	1 l	Plastic bottle	Ref Ph.Eur 4002400

**Phosphate buffer pH 5.5**

• Tampon fosfato pH 5.5 • Tampon phosphate pH 5.5 • Tampon fosfato pH 5.5 • Pufferlösung phosphat pH 5.5

Phosphate buffer pH 5.5 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614002000	1 l	Plastic bottle	Ref Ph.Eur 4002000



Phosphate buffer pH 3.0

• Tampone fosfato pH 3.0 • Tampon phosphate pH 3.0 • Tampon fosfato pH 3.0 • Pufferlösung phosphat pH 3.0

Phosphate buffer pH 3.0 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614000501	100 ml	Plastic bottle	Ref Ph.Eur 4000500
614000500	1 l	Plastic bottle	Ref Ph.Eur 4000500



Phosphate buffer pH 2.0

• Tampone fosfato pH 2.0 • Tampon phosphate pH 2.0 • Tampon fosfato pH 2.0 • Pufferlösung phosphat pH 2.0

Phosphate buffer pH 2.0 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614007900	1 l	Plastic bottle	Ref Ph.Eur 4007900



Phosphomolybdic acid

• Acido fosfomolibdico • Acide phosphomolybdique • Acido fosfomolibdico • Phosphormolybdänsäure

Synonym:
Molybdophosphoric acid

$2H_3PO_4 \cdot 20MoO_3 \cdot 48H_2O$
Molecular Weight: 3939,5
CAS: 51429-74-4

Classification transport
ONU: 3084
Transport Hazard class: 8
Packing group II



Danger

H272-H314
P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Phosphomolybdic acid > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Yellow crystals Chloride ≤ 200 ppm Sulphate ≤ 250 ppm
Identification Positive Water-insoluble matter ≤ 100 ppm Ca ≤ 200 ppm
Ammonium ≤ 100 ppm Heavy metals (Pb) ≤ 50 ppm Fe ≤ 50 ppm

Code	Size	Packaging	Notes
405913	50 g	Glass bottle	
405915	250 g	Glass bottle	



Phosphomolybdotungstic reagent

• Reattivo fosfomolibdotungstico • Réactif phosphomolibdotungstique • Fosfomolibdotungstenico reactivo • Phosphomolibdotungstica-Reagenz

Classification transport
ONU: 3264
Transport Hazard class: 8
Packing group III



Warning

H290-H302-H315-H319
P264-P280a-P305+P351+P338-P332+P313-P362+P364-P337+P313

Phosphomolibdotungstic reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611065000	100 ml	Plastic bottle	Ref Ph.Eur 1065000

Storage: at 2 °C to 8 °C

**Phosphonic acid**

• Acido fosfonico • Acide phosphonique • Acido fosfonico • Phosphorige Säure

Synonym:
Phosphorous acid

Molecular Weight: 82

CAS: 13598-36-2

EEC-N: 237-066-7

Classification transport

ONU: 2834

Transport Hazard class: 8

Packing group III

**Danger**

H302-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Phosphonic acid > RPE - For analysis**RPE**

Description White crystals Chloride ≤ 100 ppm Fe ≤ 20 ppm
 Identification Positive Sulphate ≤ 80 ppm Assay (acidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
406056	500 g	Glass bottle	
406053	20 kg	Plastic bucket	

Phosphoric acid ► Orthophosphoric acid 99%

Phosphoric anhydride ► Phosphorus pentoxide

Phosphorous acid ► Phosphonic acid

**Phosphorus standard solution**

• Fosforo standard soluzione • Phosphore solution standard • Fósforo, solución patrón • Phosphor-Standardlösung

**Danger**

H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Phosphorus standard solution > RS - Standard solution for ICP-MS**RS**


Code	Size	Packaging	Notes
505762	100 ml	Plastic bottle	conc. 10 ppm Matrix: Water
505765	100 ml	Plastic bottle	conc. 100 ppm Matrix: Water
505763	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Phosphorus standard solution > RS - Standard solution for ICP****RS**

Code	Size	Packaging	Notes
503791	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503793	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503795	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water
503797	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Phosphorus pentoxide
 • Anidride fosforica • Anhydride phosphorique • Anhidrido fosfórico • Phosphorpentoxid
 Synonym: Phosphoric anhydride

P_2O_5 Molecular Weight: 141,94 CAS: 1314-56-3 EEC-N: 215-236-1	Classification transport ONU: 1807 Transport Hazard class: 8 Packing group II	 Danger H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Phosphorus pentoxide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP **RPE**

Description	White powder	Water-insoluble matter	≤200 ppm	Heavy metals (Pb).....	≤100 ppm
Identification	Positive	Ammonium	≤100 ppm	Assay (acidimetric)	≥98.0 %


Code	Size	Packaging	Notes
421808	100 g	Glass bottle	
421802	250 g	Glass bottle	

Phosphorus pentoxide > RE - Pure **RE**

Description	White powder	Identification	Positive	Heavy metals (Pb).....	≤500 ppm	Assay (acidimetric)	≥98 %
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Code	Size	Packaging	Notes
317753	250 g	Glass bottle	

Phosphosulfuric acid
 • Acido fosfosolfurico • Acide phosphosulfurique • Acido fosfosulfúrico • Phosphosulfonsäure


Classification transport ONU: 3264 Transport Hazard class: 8 Packing group II	 Danger H290-H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Phosphosulfuric acid > RS - For nitrogen detection according to Kjeldahl **RS**

Description	Clear colourless liquid	Identification	Positive	Ammonium	≤1 ppm	Nitrate	≤0.2 ppm
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Code	Size	Packaging	Notes
E406101	1 l	Glass bottle	

Phosphotungstic acid
 • Acido fosfotungstico • Acide phosphotungstique • Acido fosfotúngstico • Phosphorwolframsäure
 Synonym: Tungstophosphoric acid

$H_3PO_4 \cdot 12WO_3 \cdot H_2O$ Molecular Weight: 2880,05 CAS: 12501-23-4	Classification transport ONU: 3260 Transport Hazard class: 8 Packing group III	 Danger H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Phosphotungstic acid > RPE - For analysis **RPE**

Description	White powder	Sulphate	≤ 50 ppm	Heavy metals (Pb).....	≤ 40 ppm	Assay	≥ 82 %
Identification	Positive	Ammonium	≤ 50 ppm	Fe	≤ 30 ppm		
Chloride	≤ 20 ppm	Residue on calcination	≤ 17 %	Na	≤ 100 ppm		

Code	Size	Packaging	Notes
406154	100 g	Glass bottle	

Phosphotungstic acid solution
 • Acido fosfotungstico soluzione • Acide phosphotungstique solution • Acido fosfotúngstico solución
 • Phosphorwolframsäure-Lösung
 Synonym: Phosphotungstic acid hydrate, Tungstophosphoric acid

Phosphotungstic acid solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1 **RS**

Code	Size	Packaging	Notes
611065200	100 ml	Plastic bottle	Ref Ph.Eur 1065200

**o-Phthalaldehyde**

• o-Ftalaldeide • o-Phtalaldéhyde • o-Ftalaldialdehído • o-Phthalaldehyd

Synonym:

Benzene-1,2-dicarboxaldehyde

$C_6H_4(CHO)_2$
 Molecular Weight: 134,13
 CAS: 643-79-8
 EEC-N: 211-402-2

**Danger**

H301
 P264-P270-P301+P310a-P330-P405-P501a

o-Phthalaldehyde > RPE - For analysis**RPE**

Description Yellow-orange crystals Melting point 55 - 58 °C Assay (GLC) ≥ 98.0 %
 Identification Positive Acidity (Phthalic acid) ≤ 0.3 %

Code	Size	Packaging	Notes
452751	10 g	Glass bottle	

**Phthalic acid**

• Acido ftalico • Acide phtalique • Acido ftálico • Phthalsäure

Synonym:

1,2-Benzenedicarboxylic acid

$1,2-(COOH)_2C_6H_4$
 Molecular Weight: 166,13
 CAS: 88-99-3
 EEC-N: 201-873-2

**Warning**

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Phthalic acid > RPE - For analysis - Reag. Ph. Eur.**RPE**

Description White crystalline powder Identification Positive Melting point ~ 210 °C Assay (acidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
406205	250 g	Plastic bottle	

**Phthalic anhydride**

• Anidride ftalica • Anhydride phtalique • Anhídrido ftálico • Phthalsäureanhydrid

$C_6H_4(CO)_2O$
 Molecular Weight: 148,12
 CAS: 85-44-9
 EEC-N: 201-607-5

Classification transport

ONU: 2214
 Transport Hazard class: 8
 Packing group III

**Danger**

H302-H315-H318-H334-H317-H335
 P284-P304+P340-P310a-P305+P351+P338-P330-
 P362+P364-P342+P311a-P403+P233

Phthalic anhydride > RE - Pure**RE**

Description White flakes Identification Positive Melting point 129 ÷ 132 °C Assay ≥ 98.5 %

Code	Size	Packaging	Notes
318007	1 kg	Plastic bottle	

3-Picolinic acid ▶ Nicotinic acid**Picric acid solution**

• Acido picrico soluzione • Acide picrique solution • Acido picrico solución • Pikrinsäure

Synonym:

2,4,6-Trinitrophenol

$C_6H_3N_3O_7$
 Molecular Weight: 229,11
 CAS: 88-89-1

HEU210

Picric acid solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611065801	100 ml	Plastic bottle	Ref Ph.Eur 1065801
611065802	100 ml	Plastic bottle	Picric acid solution R1 Ref Ph.Eur 1065802

Picric acid solution > RPE - For analysis

RPE

Description Yellow clear liquid Identification Positive Density at 20° C 1.00 ÷ 1.02 Assay 1.1 ÷ 1.3 %

Code	Size	Packaging	Notes
409302	500 ml	Plastic bottle	
409305	2.5 l	Plastic bottle	

Saturated aqueous solution ~ 1.2%


Piperidine

• Piperidina • Pipéridine • Piperidina • Piperidin

 Synonym:
Hexahydropyridine

 $\text{NH}(\text{CH}_2)_4\text{CH}_2$
 Molecular Weight: 85,15
 CAS: 110-89-4
 EEC-N: 203-813-0

Classification transport

 ONU: 2401
 Transport Hazard class: 8
 Packing group I


Danger

 H225-H302-H311-H331-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P361+P364-
 P403+P233

Piperidine > RS - For peptide synthesis

RS

Refractive index at 20°C 1.45 - 1.454 Water content (K.F.) ≤ 3000 mg/Kg Colour ≤ 10 Hazen Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P0663518	500 ml	Glass bottle	
P0663516	1 l	Glass bottle	
P0663521	2.5 l	Glass bottle	

Piperidine > RPE - For analysis

RPE

 Description Clear liquid Density at 20° C 0.856 ÷ 0.866 Water (K.F.) <0.3 %
 Colour < 50 APHA Assay (GLC) ≥99.0 %

Code	Size	Packaging	Notes
469551	100 ml	Glass bottle	
469552	500 ml	Glass bottle	

Piperidine > RE - Pure

RE

 Refractive index at 20°C 1.450 - 1.454 Density d20/4 0.856 - 0.866 Colour ≤ 20 Hazen
 Identification (IR) Conform Water content (K.F.) ≤ 5000 mg/Kg Assay (GC) ≥ 99 %

Code	Size	Packaging	Notes
P0660216	1 l	Glass bottle	
P0660221	2.5 l	Glass bottle	
P0660229	5 l	Plastic tank	
P0660248	25 l	Metal drum	



Platinum standard solution

• Platino standard soluzione • Platine solution standard • Platino, solución patrón • Platin-Standardlösung

Classification transport

 ONU: 1760
 Transport Hazard class: 8
 Packing group III


Platinum standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505787	100 ml	Plastic bottle	conc. 10 ppm Matrix: Hydrochloric acid
505788	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrochloric acid
505789	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Platinum standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503831	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503833	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503835	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503837	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Polyvinylpyrrolidone

• Polivinilpirrolidone • Polyvinylpyrrolidone • Polivinilpirrolidona • Polyvinylpyrrolidon

Synonym:

- PVP
- Polyvidone

 $(C_6H_9NO)_n$

Molecular Weight: 25000-30000

CAS: 9003-39-8

Polyvinylpyrrolidone > RPE - For analysis

RPE

Description White powder Identification Positive Loss on drying ≤5 %

Code	Size	Packaging	Notes
470071	500 g	Plastic bottle	
470072	1.5 kg	Plastic bottle	



Ponceau red BS

• Rosso Ponceau BS • Rouge Ponceau BS • Rojo Ponceau BS • Ponceau rot BS

Synonym:

- Ponceau BS
- Acid Red 66

 $C_{22}H_{14}N_4Na_2O_7S_2$

Molecular Weight: 556,48

CAS: 4196-99-0

EEC-N: 224-084-5

Ponceau red BS > RS - For microscopy - C.I. 26905

RS

Description Red brick powder Identification Positive

Code	Size	Packaging	Notes
476941	10 g	Glass bottle	

Dye for histology



Ponceau red S

• Rosso Ponceau S • Rouge Ponceau S • Rojo Ponceau S • Ponceau rot S

Synonym:

3-Hydroxy-4-(2-sulfo-4-[4-sulfophenylazo]phenylazo)-2,7-naphthalenedisulfonic acid sodium salt

 $C_{22}H_{12}N_4Na_4O_{10}S_4$

Molecular Weight: 760,56

CAS: 6226-79-5

EEC-N: 228-319-2



Warning

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-

P332+P313-P403+P233

Ponceau red S > RS - For microscopy - C.I. 27195

RS

Description Brown powder Identification Positive

Code	Size	Packaging	Notes
476981	5 g	Glass bottle	
476982	25 g	Glass bottle	

Dye for histochemistry



Potassium standard solution

• Potassio standard soluzione • Potassium solution standard • Potasio, solución patrón • Kalium-Standardlösung



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615002401	100 ml	Plastic bottle	A 20 ppm solution: to dilute according to Ref Ph.Eur 5002401
615002402	100 ml	Plastic bottle	A 0.1 % solution Ref Ph.Eur 5002402
615002409	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5002400
615005100	100 ml	Plastic bottle	A 600 ppm solution: to dilute according to Ref Ph.Eur 5005100

Potassium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505682	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505685	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505683	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Potassium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503671	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503673	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503675	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503677	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Potassium standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507753	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
506960	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497605	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497601	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Potassium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
470081		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Potassium standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503271	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503273	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Potassium acetate

• Potassio acetato • Potassium acétate • Potasio acetato • Kaliumacetat

CH₃COOK
Molecular Weight: 98,15
CAS: 127-08-2
EEC-N: 204-822-2

Potassium acetate > RPE - For analysis

RPE

Description	White granular powder	Sulphate	≤ 50 ppm	Assay (non-aqueous medium)	≥ 99 %	Mg	≤ 100 ppm
Identification	Positive	Heavy metals (Pb)	≤ 10 ppm	Water	≤ 1.0 %	Hg	≤ 1 ppm
pH sol. 5% at 20°C	7.5 ÷ 8.5	Fe	≤ 20 ppm	Ca	≤ 100 ppm		
Chloride	≤ 50 ppm	Zn	≤ 20 ppm	Na	≤ 0.4 %		

Code	Size	Packaging	Notes
470145	100 g	Plastic bottle	
470146	500 g	Plastic bottle	
470147	1 kg	Plastic bottle	
470143	25 kg	Plastic bucket	

Potassium acetate > ERBApharm - According to pharmacopoeia: BP-Ph.Eur.

ERBApharm

Description	White crystalline powder	pH solution 5%	7.5 ÷ 9.0	Sulphate	≤ 200 ppm	Assay (non-aqueous medium)	99.0 ÷ 101.0 % s.s.
Identification	Positive	Loss on drying	≤ 3.0 %	Al	≤ 1 ppm	Origin (BSE/TSE)	Synthesis
Appearance of solution	Conform Ph.Eur.	Chloride	≤ 200 ppm	Fe	≤ 20 ppm		
Reducing substances	Conform Ph.Eur.	Heavy metals (Pb)	≤ 4 ppm	Na	≤ 0.5 %		

Code	Size	Packaging	Notes
358907	1 kg	Plastic bottle	
358908	5 kg	Plastic tank	
358903	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Potassium aluminum sulfate dodecahydrate ▶ Aluminum potassium sulfate dodecahydrate

Potassium antimonyl tartrate trihydrate ▶ Antimony potassium tartrate

Potassium bicarbonate
 • Potassio bicarbonato • Potassium bicarbonate • Potasio bicarbonato • Kaliumbicarbonat
 Synonym: Potassium hydrogen carbonate

KHCO₃
 Molecular Weight: 100,12
 CAS: 298-14-6
 EEC-N: 206-059-0

Potassium bicarbonate > RPE - For analysis - ACS

RPE

Description White crystalline powder
 Identification Positive
 Water-insoluble matter ≤100 ppm
 Ammonium ≤5 ppm
 Chloride ≤10 ppm
 Phosphate ≤5 ppm
 Total sulphur ≤30 ppm
 Heavy metals (Pb) ≤5 ppm
 Ca ≤20 ppm
 Fe ≤5 ppm
 Mg ≤10 ppm
 Na ≤300 ppm
 Assay (alkalimetric) 99.7 ÷ 100.5 % s.s.

Code	Size	Packaging	Notes
470285	100 g	Plastic bottle	
470286	500 g	Plastic bottle	
470287	1 kg	Plastic bottle	
470289	5 kg	Plastic jar	

Potassium bisulfate
 • Potassio bisolfato • Potassium bisulfate • Potasio bisolfato • Kaliumbisulfat
 Synonym: Potassium hydrogen sulfate

KHSO₄
 Molecular Weight: 136,17
 CAS: 7646-93-7
 EEC-N: 231-594-1

Classification transport
 ONU: 2509
 Transport Hazard class: 8
 Packing group II



Danger
 H314-H335
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P403+P233

Potassium bisulfate > RPE - For analysis

RPE

Description White crystals
 Identification Positive
 Ammonium ≤ 20 ppm
 Chloride ≤ 20 ppm
 Heavy metals (Pb) ≤ 20 ppm
 Ca ≤ 200 ppm
 Fe ≤ 20 ppm
 Assay (acidimetric) 98 ÷ 102 %

Code	Size	Packaging	Notes
470556	100 g	Plastic bottle	
470557	1 kg	Plastic bottle	
470552	25 kg	Plastic bucket	

Potassium bitartrate ► Potassium L-tartrate monobasic

Potassium bromate
 • Potassio bromato • Potassium bromate • Potasio bromato • Kaliumbromat

KBrO₃
 Molecular Weight: 167,01
 CAS: 7758-01-2
 EEC-N: 231-829-8

Classification transport
 ONU: 1484
 Transport Hazard class: 5.1
 Packing group II



Danger
 H271-H301-H350-HA26
 P210-P280-P283-P301+P310a-P306+P360-
 P308+P313

Potassium bromate > RS - For analysis according to Ph. Eur. Chap. 4.2.1

RS

Code	Size	Packaging	Notes
612000300	50 g	Plastic bottle	Ref Ph.Eur 2000300

Potassium bromate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description White crystals
 Identification Positive
 pH sol. 5% at 25° C 5.0 ÷ 9.0
 Bromide Conform ACS
 Water-insoluble matter ≤ 50 ppm
 Heavy metals (Pb) ≤ 5 ppm
 Sulphate ≤ 50 ppm
 Fe ≤ 20 ppm
 Na ≤ 100 ppm
 Assay (oxidimetric) ≥ 99.8 %

Code	Size	Packaging	Notes
470655	250 g	Plastic bottle	



Potassium bromate 0.033 mol/l (0.198N)

- Potassio bromato 0.033 mol/l (0.198N) • Potassium bromate 0.033 mol/l (0.198N) • Potasio bromato 0.033 mol/l (0.198N)
- Kaliumbromat 0.033 mol / l (0.198 N)



Danger

H350-HA26

P201-P202-P280-P308+P313-P405-P501a

Potassium bromate 0.033 mol/l (0.198N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613004200	1 l	Plastic bottle	Ref Ph.Eur 3004200



Potassium bromate 0.02 mol/l (0.12N)

- Potassio bromato 0.02 mol/l (0.12N) • Potassium bromate 0.02 mol/l (0.12N) • Potasio bromato 0.02 mol/l (0.12N) • Kaliumbromat 0.02 mol/l (0.12N)

Potassium bromate 0.02 mol/l (0.12N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613004300	1 l	Plastic bottle	Ref Ph.Eur 3004300



Potassium bromate 0.0167 mol/l (0.1N)

- Potassio bromato 0.0167 mol/l (0.1N) • Potassium bromate 0.0167 mol/l (0.1N) • Potasio bromato 0.0167 mol/l (0.1N) • Kaliumbromat 0.0167 mol/l (0.1N)

KBrO₃
CAS: 7758-01-2



Danger

H350-HA26

P201-P202-P280-P308+P313-P405-P501a

Potassium bromate 0.0167 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
470681		Glass ampoule	Volume: 60 ml

Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Potassium bromide

- Potassio bromuro • Potassium bromure • Potasio bromuro • Kaliumbromid

KBr
Molecular Weight: 119,01
CAS: 7758-02-3
EEC-N: 231-830-3



Warning

H319

P264-P280i-P305+P351+P338-P337+P313

Potassium bromide > RS - For optical spectroscopy

RS

Description White cryst. powder Identification (I.R.) Conform

Code	Size	Packaging	Notes
470701	100 g	Glass bottle	

Potassium bromide > RPE - For analysis - ACS

RPE

Description White crystals Bromate ≤ 10 ppm Sulphate ≤ 50 ppm Fe ≤ 5 ppm
 Identification Positive Chloride ≤ 0.2 % Heavy metals (Pb) ≤ 5 ppm Mg ≤ 10 ppm
 pH sol. 5% at 25° C 5.0 ÷ 8.8 Iodate ≤ 10 ppm Ba ≤ 20 ppm Na ≤ 0.02 %
 Water-insoluble matter ≤ 50 ppm Iodide ≤ 10 ppm Ca ≤ 20 ppm Assay (argentimetric) ≥ 99.0 %

Code	Size	Packaging	Notes
470734	100 g	Plastic bottle	
470735	250 g	Plastic bottle	
470737	1 kg	Plastic bottle	
470733	25 kg	Plastic bucket	

Potassium bromide > ERBApharm - According to pharmacopoeia: BP-DAB-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White crystalline powder	Bromate	Conform Ph.Eur.	Heavy metals (Pb).....	≤ 10 ppm	Assay (argentimetric) ..	98.0 ÷ 100.5 % s.s.
Identification	Positive	Iodide	Conform Ph.Eur.	Mg,alkal.earth met.(Ca)	≤ 200 ppm		
Appearance of solution	Conform Ph.Eur.	Loss on drying	≤ 1.0 %	Sulphate	≤ 100 ppm		
Acidity or alkalinity.....	Conform Ph.Eur.	Chloride.....	≤ 0.6 %	Fe	≤ 20 ppm		

Code	Size	Packaging	Notes
359707	1 kg	Plastic bottle	
359702	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium carbonate

• Potasio carbonato • Potassium carbonate • Potasio carbonato • Kaliumcarbonat

K₂CO₃
Molecular Weight: 138,21
CAS: 584-08-7



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Potassium carbonate > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611068900	100 g	Glass bottle	Ref Ph.Eur 1068900

Potassium carbonate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White powder	Phosphate	≤ 10 ppm	Ca	≤ 50 ppm	Assay (alkalimetric).....	≥ 99.0 %
Identification	Positive	Silicate	≤ 50 ppm	Fe	≤ 5 ppm		
Water-insoluble matter	≤ 100 ppm	Total sulphur	≤ 40 ppm	Mg	≤ 20 ppm		
Chloride.....	≤ 30 ppm	Heavy metals (Pb).....	≤ 5 ppm	Na	≤ 200 ppm		

Code	Size	Packaging	Notes
470805	250 g	Plastic bottle	
470807	1 kg	Plastic bottle	
470801	5 kg	Plastic tank	

Potassium carbonate > RE - Pure

RE

Description	White crystalline powder	Sulphate	≤ 50 ppm	Na	≤ 0.25 %	KOH	≤ 0.15 %
Identification	Positive	Heavy metals (Pb).....	≤ 1 ppm	Assay (alkalimetric).....	99.0 ÷ 100.0 %		
Chloride.....	≤ 20 ppm	Fe	≤ 5 ppm	Loss on drying	≤ 0.8 %		

Code	Size	Packaging	Notes
359808	1 kg	Plastic bottle	
359809	5 kg	Plastic tank	
359803	25 kg	Plastic bucket	



Potassium chloride

• Potasio cloruro • Potassium chlorure • Potasio cloruro • Kaliumchlorid

KCl
Molecular Weight: 74,55
CAS: 7447-40-7
EEC-N: 231-211-8

Potassium chloride > RS - For soils analysis

RS

Assay (argentimetric).....	≥ 99.0 %	Water insoluble substances.....	≤ 0.005 %	Ammonium (NH ₄).....	≤ 0.00007 %	Fe	≤ 0.0002 %
pH sol. 5% at 25°C	5.4 ÷ 8.6	Sulphate	≤ 0.002 %	Phosphate	≤ 0.001 %	Heavy metals (Pb).....	≤ 0.0002 %

Code	Size	Packaging	Notes
471181	5 kg	Plastic jar	

Potassium chloride > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description	White crystals	Water-insoluble matter	≤ 50 ppm	Iodide	≤ 20 ppm	Fe	≤ 3 ppm
Identification	Positive	Mg and alkaline-earth metals (Ca)	≤ 200 ppm	Sulphate	≤ 10 ppm	Mg	≤ 10 ppm
Acidity or alkalinity	Conform	Bromide	≤ 100 ppm	Heavy metals (Pb)	≤ 5 ppm	Na	≤ 50 ppm
Appearance of solution	Conform	Nitrate, Chlorate (NO ₃)	≤ 30 ppm	Al	≤ 1 ppm	Assay (argentimetric)	99.0 ÷ 100.5 % s.s.
pH sol. 5% at 25° C	5.4 ÷ 8.6	Phosphate	≤ 5 ppm	Ba	≤ 10 ppm		
Loss on drying	≤ 1.0 %			Ca	≤ 20 ppm		

Code	Size	Packaging	Notes
471175	100 g	Plastic bottle	
471176	500 g	Plastic bottle	
471177	1 kg	Plastic bottle	
471171	5 kg	Plastic jar	
471173	25 kg	Plastic bucket	

Potassium chloride > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBApharm

Description	White crystalline powder	Barium	Conform Ph.Eur.	Bromide	≤ 0.1 %	Assay (argentimetric)	99.0 ÷ 100.5 %
Identification	Positive	Na	Conform USP-NF	Heavy metals (Pb)	≤ 10 ppm	Origin (BSE/TSE)	Synthesis
Appearance of solution	Conform Ph.Eur.	Calcium + Magnesium	Conform USP-NF	Mg, alkal. earth met. (Ca)	≤ 200 ppm	Residual solvents (Current ICH)	Conform
Acidity or alkalinity	Conform Ph.Eur.	Residue solvents	Conform USP-NF	Sulphate	≤ 300 ppm		
Iodide	≤ 50 ppm	Loss on drying	≤ 1.0 %	Fe	≤ 20 ppm		

Code	Size	Packaging	Notes
360107	1 kg	Plastic bottle	
360109	5 kg	Plastic tank	
360106	25 kg	Plastic bucket	
360104	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium chloride 3.5 mol/l (3.5N)

• Potassio cloruro 3.5 mol/l (3.5N) • Potassium chlorure 3.5 mol/l (3.5N) • Potasio cloruro 3.5 mol/l (3.5N) • Kaliumchlorid 3.5 mol/l (3.5 N)

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 3.5 mol/l (3.5N) > RPE - For analysis

RPE

Code	Size	Packaging	Notes
471225	250 ml	Plastic bottle	

Content is guaranteed for standardized volumes at 20 °C



Potassium chloride 3.5 mol/l (3.5N) + silver chloride

• Potassio cloruro 3.5 mol/l (3.5N) e argento cloruro • Potassium chlorure 3.5 mol/l (3.5N) avec argent chlorure
• Potasio cloruro 3.5 mol/l (3.5N) con plata cloruro • Kaliumchlorid 3.5 mol/l (3.5N) mit Silberchlorid

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 3.5 mol/l (3.5N) + silver chloride > RPE - For analysis

RPE

Code	Size	Packaging	Notes
471245	250 ml	Plastic bottle	

Electrolytic solution filling. Content is guaranteed for standardized volumes at 20 °C



Potassium chloride 3 mol/l (3N)

• Potassio cloruro 3 mol/l (3N) • Potassium chlorure 3 mol/l (3N) • Potasio cloruro 3 mol/l (3N) • Kaliumchlorid 3 mol/l (3N)

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 3 mol/l (3N) > RPE - For analysis

RPE

Code	Size	Packaging	Notes
471215	250 ml	Plastic bottle	

Electrolyte for the reference electrode.

Content is guaranteed for standardized volumes at 20 °C.



Potassium chloride 3 mol/l (3N) water-glycerol solution

• Potassio cloruro 3 mol/l (3N) soluzione acqua-glicerina • Potassium chlorure 3 mol/l (3N) solution eau/glycérine
• Potasio cloruro 3 mol/l (3N) solución agua-glicerina • Kaliumchlorid 3 mol/l (3N) Lösung aus Wasser und Glycerin

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 3 mol/l (3N) water-glycerol solution > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Titolo (KCl) 1.485 ÷ 1.515 Density at 20°C 1.190 ÷ 1.210

Code	Size	Packaging	Notes
471275	250 ml	Plastic bottle	

Electrolytic solution filling. Content is guaranteed for standardized volumes at 20 °C



Potassium chloride 3 mol/l (3N) + silver chloride

• Potassio cloruro 3 mol/l (3N) e argento cloruro • Potassium chlorure 3 mol/l (3N) avec argent chlorure • Potasio cloruro 3 mol/l (3N) con plata cloruro
• Kaliumchlorid 3 mol/l (3N) mit Silberchlorid

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 3 mol/l (3N) + silver chloride > RPE - For analysis

RPE

Code	Size	Packaging	Notes
471235	250 ml	Plastic bottle	

Electrolyte for the reference electrode.

Content is guaranteed for standardized volumes at 20 °C



Potassium chloride 1 mol/l (1N)

• Potassio cloruro 1 mol/l (1N) • Potassium chlorure 1 mol/l (1N) • Potasio cloruro 1 mol/l (1N) • Kaliumchlorid 1 mol/l (1N)

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 1 mol/l (1N) > RS - For soils analysis

RS

Assay (potentiometry) 0.98 - 1.02 N

Code	Size	Packaging	Notes
PS0772/79	100 l	Plastic drum	



Potassium chloride 0.1 mol/l (0.1N)

• Potassio cloruro 0.1 mol/l (0.1N) • Potassium chlorure 0.1 mol/l (0.1N) • Potasio cloruro 0.1 mol/l (0.1N) • Kaliumchlorid 0.1 mol/l (0.1N)

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069101	1 l	Plastic bottle	Ref Ph.Eur 1069101



Potassium chloride 0.01 mol/l (0.01N)

• Potassio cloruro 0.01 mol/l (0.01N) • Potassium chlorure 0.01 mol/l (0.01N) • Potasio cloruro 0.01 mol/l (0.01N) • Kaliumchlorid 0.01 mol/l (0.01N)

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 0.01 mol/l (0.01N) > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
471255	1 l	Plastic bottle	Potassium chloride 0.01 M

Electrolytic solution filling



Potassium chloride 25g/l in HCl

• Potassio cloruro soluzione 25g/l in acido cloridrico • Potassium chlorure 25g/l dans HCl • Potasio cloruro solución 25g/l en HCl • Kaliumchlorid 25g/l (HCl)

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 25g/l in HCl > RS - Ionisation standard solution for AAS

RS

Code	Size	Packaging	Notes
504538	500 ml	Plastic bottle	Matrix: 2% Hydrochloric acid



Potassium chloride 12g/l

• Potassio cloruro soluzione 12g/l • Potassium chlorure 12g/l • Potasio cloruro solución 12g/l • Kaliumchlorid 12g/l

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride 12g/l > RS - For analysis according to Ph. Eur.Chap. 2.2.25

RS

Code	Size	Packaging	Notes
506432	10 ml	Sealed cuvette	
506433	100 ml	Glass bottle	

a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
t
u
v
w
x
y
z



Potassium chloride saturated solution

• Potassio cloruro soluzione satura • Potassium chlorure solution saturée • Potasio cloruro solución saturada • Kaliumchlorid-Lösung gesättigt

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride saturated solution > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C 1.169 ÷ 1.173

Code	Size	Packaging	Notes
471265	250 ml	Plastic bottle	

Electrolytic solution filling



Potassium chloride solution

• Potassio cloruro soluzione • Potassium chlorure solution • Potasio cloruro solución • Kaliumchlorid-Lösung

KCl
Molecular Weight: 74,55
CAS: 7447-40-7

Potassium chloride solution > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C 1.12 ÷ 1.14 pH at 20° C 6.6 ÷ 6.8

Code	Size	Packaging	Notes
471285	250 ml	Plastic bottle	

Conservation solution for electrodes



Potassium chromate

• Potassio cromato • Potassium chromate • Potasio cromato • Kaliumchromat

K₂CrO₄
Molecular Weight: 194,2
CAS: 7789-00-6
EEC-N: 232-140-5

Classification transport
ONU: 3288
Transport Hazard class: 6.1
Packing group III



Danger
H315-H319-H317-H340-H350i-H335-H410-HA26
P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Potassium chromate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Yellow crystals Water-insoluble matter ≤50 ppm Ca ≤50 ppm
Identification Positive Chloride ≤50 ppm Na ≤200 ppm
pH sol. 5% at 25° C 8.6 ÷ 9.8 Sulphate ≤300 ppm Assay (oxidimetric) ≥99.0 %

Code	Size	Packaging	Notes
471295	250 g	Plastic bottle	
471297	1 kg	Plastic bottle	



Potassium chromate solution 10%

• Potassio cromato soluzione 10% • Potassium chromate 10% solution • Potasio cromato solución 10% • Kaliumchromatlösung bei 10%

K₂CrO₄
Molecular Weight: 194,2
CAS: 7789-00-6

Classification transport
ONU: 3287
Transport Hazard class: 6.1
Packing group II



Danger
H315-H319-H317-H340-H350i-H411-HA26
P261-P280-P305+P351+P338-P308+P313-P362+P364-P337+P313

Potassium chromate solution 10% > RPE - For analysis

RPE

Code	Size	Packaging	Notes
505032	1 l	Bottle	



Potassium chromate 5% solution

• Potassio cromato soluzione 5% • Potassium chromate solution 5% • Potasio cromato solución 5% • Kaliumchromatlösung bei 5%

K_2CrO_4
Molecular Weight: 194,2
CAS: 7789-00-6



Danger

H317-H340-H350i-H411-HA26
P261-P280-P308+P313-P362+P364-P333+P313-P501a

Potassium chromate 5% solution > RS - For agroalimentary analysis

RS

Appearance Conform Assay 4.75 ÷ 5.25 %

Code	Size	Packaging	Notes
502681	1 l	Plastic bottle	

Composition according to NF V04-314: K_2CrO_4 50g water QSP 1 L

Potassium chromate 5% solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069201	1 l	Plastic bottle	Ref Ph.Eur 1069201

Potassium chromium (III)sulfate dodecahydrate ▶ Chromium (III) potassium sulfate dodecahydrate



Potassium citrate tribasic monohydrate

• Potassio citrato tribasico monoidrato • Potassium citrate tribasique monohydraté
• Potasio citrato tribásico monohidrató • Tribasisches Kaliumcitrat-Monohydrat

Synonym:
Tripotassium citrate

$K_3C_6H_5O_7 \cdot H_2O$
Molecular Weight: 324,42
CAS: 6100-05-6
EEC-N: 212-755-5

Potassium citrate tribasic monohydrate > RPE - For analysis

RPE

Description White crystalline powder
Identification Positive
Reducing substances Conform
Ready carbonizable substances..... Conform
pH sol. 5% at 25° C 7.5 ÷ 9.5

Chloride..... ≤10 ppm	As ≤0.4 ppm	Ni ≤5 ppm
Water-insoluble matter ≤30 ppm	Ca ≤50 ppm	Zn ≤2 ppm
Heavy metals (Pb)..... ≤20 ppm	Cu ≤5 ppm	Assay (non-aqueous medium) ≥99.5 %
Oxalate ≤100 ppm	Fe ≤5 ppm	
Sulfate..... ≤ 50 ppm	Na ≤1500 ppm	

Code	Size	Packaging	Notes
471025	250 g	Plastic bottle	
471027	1 kg	Plastic bottle	

Potassium citrate tribasic monohydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-Ph.

ERBApharm

Franc.-BP

Description White crystalline powder
Identification Positive
Appearance of solution Conform Ph.Eur.
Acidity or alkalinity..... Conform Ph.Eur.
Ready carbonizable substances..... Conform

Ph.Eur.	Chloride..... ≤50 ppm	Assay (non-aqueous medium) .99.0 ÷ 101.0 % s.s.
Tartrate..... Conform USP-NF	Heavy metals (Pb)..... ≤10 ppm	
Organic volatile impurities Conform USP-NF	Oxalate ≤300 ppm	
Water (K.F.) 4.0 ÷ 7.0 %	Sulphate ≤150 ppm	
Loss on drying 3.0 ÷ 6.0 %	Na ≤0.3 %	

Code	Size	Packaging	Notes
359956	500 g	Plastic bottle	
359957	1 kg	Plastic bottle	
359958	2.5 kg	Plastic bottle	
359959	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium dichromate

• Potassio bicromato • Potassium dichromate • Potasio dicromato • Kaliumdichromat



Molecular Weight: 294,19

CAS: 7778-50-9

EEC-N: 231-906-6

Classification transport

ONU: 3086

Transport Hazard class: 6.1

Packing group I



Danger

H272-H301-H312-H330-H314-H334-H317-H340-

H350-H360FD-H372-H410-HA26

P210-P280-P284-P301+P330+P331-

P303+P361+P353-P304+P340-P305+P351+P338-

P342+P311a-P403+P233

Potassium dichromate > RPE - For analysis

RPE

Description	Orange crystals	Chloride.....	≤ 10 ppm	Fe	≤ 10 ppm
Identification	Positive	Sulphate.....	≤ 50 ppm	Na.....	≤ 200 ppm
Loss on drying at 105°C.....	≤ 0.05 %	Ca.....	≤ 30 ppm	Assay (oxydometric).....	≥ 99.0 %

Code	Size	Packaging	Notes
470336	500 g	Plastic bottle	
470337	1 kg	Plastic bottle	



Potassium dichromate - Sulfuric acid solution

• Potassio bicromato - Soluzione di acido solforico • Potassium dichromate - Solution dans l'acide sulfurique • Potasio dicromato - Solución de ácido sulfúrico • Kaliumdichromat - Lösung in Schwefelsäure

HEU203

Potassium dichromate - Sulfuric acid solution > RS - For analysis according to Ph. Eur.Chap. 2.2.25

RS

Code	Size	Packaging	Notes
506442	2 x 10 ml	Sealed cuvette	conc. 60 mg/l
506452	2 x 10 ml	Sealed cuvette	conc. 600 mg/l
506443	100 ml	Glass bottle	conc. 60 mg/l
506453	100 ml	Glass bottle	conc. 600 mg/l



Potassium dichromate solution 0.5%

• Potassio bicromato soluzione 0.5% • Potassium dichromate solution 0.5% • Potasio dicromato solución 0.5% • Kaliumdichromatlösung 0.5%



Molecular Weight: 294,19

CAS: 7778-50-9

EEC-N: 231-906-6



Danger

H340-H350-H360FD-H412-HEU203-HEU208-HA26

P201-P273-P280-P308+P313-P405-P501a

Potassium dichromate solution 0.5% > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069509	100 ml	Plastic bottle	Potassium dichromate solution R1 Ref Ph.Eur 1069502
611069502	1 l	Plastic bottle	Potassium dichromate solution R1 Ref Ph.Eur 1069502



Potassium dichromate 0.167 mol/l (1N)

• Potassio bicromato 0.167 mol/l (1 N) • Potassium dichromate 0.167 mol/l (1 N) • Potasio dicromato 0.167 mol/l (1 N) • Kaliumdichromat 0.167 mol/l (1N)



Molecular Weight: 294,19

CAS: 7778-50-9

Classification transport

ONU: 3082

Transport Hazard class: 9

Packing group III



Danger

H302-H332-H315-H319-H334-H317-H340-H350-

H360FD-H373-H411-HA26

P271-P280-P284-P304+P340-P305+P351+P338-

P342+P311a

Potassium dichromate 0.167 mol/l (1N) > RPE - For analysis

RPE

Code	Size	Packaging	Notes
507536	1 l	Glass bottle	



Potassium dichromate 0.0417 mol/l (0.25N)

- Potassio bicomato 0.0417 mol/l (0.25N) • Potassium dichromate 0.0417 mol/l (0.25N) • Potasio dicromato 0.0417 mol/l (0.25N)
- Kaliumdichromat 0.0417 mol/l (0.25N)



Molecular Weight: 294,19
CAS: 7778-50-9

Classification transport

ONU: 3082
Transport Hazard class: 9
Packing group III



Danger

H302-H332-H315-H319-H334-H317-H340-H350-
H360FD-H373-H411-HA26
P271-P280-P284-P304+P340-P305+P351+P338-
P342+P311a

Potassium dichromate 0.0417 mol/l (0.25N) > RS - For environmental analysis (COD determination)

RS

Description Orange clear liquid Assay (potentiometry) 0.2495 - 0.2505 N

Code	Size	Packaging	Notes
470451	1 l	Glass bottle	

Content is guaranteed for standardized volumes at 20 °C



Potassium dichromate 0.04 mol/l (0.24N) in 80 g/l HgSO₄

- Potassio bicomato 0.04 mol/l (0.24N) in 80 g/l HgSO₄ • Potassium dichromate 0.04 mol/l (0.24N) dans 80 g/l HgSO₄
- Potasio dicromato 0.04 mol/l (0.24N) en 80 g/l HgSO₄ • Kaliumdichromat 0.04 mol/l (0.24N) in 80 g/l HgSO₄



Molecular Weight: 294,18
CAS: 7778-50-9

Classification transport

ONU: 2922
Transport Hazard class: 8
Packing group II



Danger

H290-H302-H331-H314-H334-H317-H340-H350-
H360FD-H373-H411-HA26
P280-P284-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P362+P364-
P342+P311a-P403+P233

Potassium dichromate 0.04 mol/l (0.24N) in 80 g/l HgSO₄ > RS - For environmental analysis (COD determination)

RS

Assay 0,0398 ÷ 0,0402 mol/L

Code	Size	Packaging	Notes
526711	1 l	Glass bottle	
526712	2.5 l	Glass bottle	



Potassium dichromate 0.0167 mol/l (0.1N)

- Potassio bicomato 0.0167 mol/l (0.1 N) • Potassium dichromate 0.0167 mol/l (0.1 N) • Potasio dicromato 0.0167 mol/l (0.1 N)
- Kaliumdichromat 0.0167 mol/l (0.1N)



Molecular Weight: 294,19
CAS: 7778-50-9



Danger

H340-H350-H360FD-H412-HEU203-HEU208-HA26
P201-P273-P280-P308+P313-P405-P501a

Potassium dichromate 0.0167 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613004600	1 l	Plastic bottle	Ref Ph.Eur 3004600

Potassium dichromate 0.0167 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Orange clear liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
470501		Glass ampoule	Volume: 60 ml

Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Potassium dichromate solution 106 g/l

• Potassio bicromato soluzione 106 g/l • Potassium dichromate solution 106g/l • Potasio dicromato solución 106 g/l • Kaliumdichromatlösung 106 g/l



Molecular Weight: 294,18

CAS: 7778-50-9

Classification transport

ONU: 3287

Transport Hazard class: 6.1

Packing group II



Danger

H301-H330-H314-H334-H317-H340-H350-H360FD-
H335-H372-H411-HA26
P280-P284-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338-P342+P311a-
P403+P233

Potassium dichromate solution 106 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069501	1 l	Plastic bottle	Ref Ph.Eur 1069501



Potassium dichromate 0.1414 g/l

• Potassio bicromato 0.1414 g/l • Potassium dichromate 0.1414 g/l • Potasio dicromato 0.1414 g/l • Kaliumdichromat 0.1414 g/l



Molecular Weight: 294,18

CAS: 7778-50-9

HEU203

Potassium dichromate 0.1414 g/l > RS - For analysis

RS

Code	Size	Packaging	Notes
504594	1 l	Plastic bottle	

Potassium dihydrogen phosphate ► Potassium phosphate monobasic

Potassium disulfate ► Potassium pyrosulphate

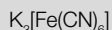


Potassium ferricyanide

• Potassio ferricianuro • Potassium ferricyanure • Potasio ferricianuro • Kaliumferricyanid

Synonym:

- Potassium hexacyanoferrate(III)
- Red prussiate



Molecular Weight: 329,24

CAS: 13746-66-2

EEC-N: 237-323-3

HEU032

Potassium ferricyanide > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069700	500 g	Glass bottle	Ref Ph.Eur 1069800

Potassium ferricyanide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Red orange crystals Water-insoluble matter ≤50 ppm Ferrocyanide ≤500 ppm Assay (oxidimetric) ≥99.0 %
Identification Positive Chloride ≤100 ppm Sulphate ≤100 ppm

Code	Size	Packaging	Notes
471364	100 g	Plastic bottle	
471365	250 g	Plastic bottle	
471367	1 kg	Plastic bottle	

Potassium ferricyanide > RE - Pure

RE

Description Red orange crystals Water insoluble substances ≤ 0.1 % KCl ≤ 0.3 %
 Moisture ≤ 0.1 % $K_4Fe(CN)_6 \cdot 3H_2O$ ≤ 0.35 % Assay ($K_3Fe(CN)_6$) ≥ 99.5 %

Code	Size	Packaging	Notes
360257	1 kg	Plastic bottle	
360258	5 kg	Plastic tank	
360252	25 kg	Plastic bucket	



Potassium ferrocyanide trihydrate

• Potassio ferrocianuro triidrato • Potassium ferrocyanure trihydraté • Potasio ferrocianuro trihidrato
 • Kaliumferrocyanid-Trihydrat

Synonym:

- Potassium hexacyanoferrate(II) trihydrate
- Yellow prussiate

$K_4[Fe(CN)_6] \cdot 3H_2O$
 Molecular Weight: 368,34
 CAS: 14459-95-1
 EEC-N: 237-722-2

HEU032

Potassium ferrocyanide trihydrate > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069800	500 g	Glass bottle	Ref Ph.Eur 1069800

Potassium ferrocyanide trihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Yellow crystals Chloride ≤ 100 ppm Sulphate Conform ACS
 Identification Positive Water-insoluble matter ≤ 50 ppm Assay (oxidimetric) 98.5 ÷ 102.0 %

Code	Size	Packaging	Notes
471484	100 g	Plastic bottle	
471485	250 g	Plastic bottle	
471487	1 kg	Plastic bottle	
471488	2.5 kg	Plastic bottle	
471483	25 kg	Drum	

Potassium ferrocyanide trihydrate > RE - Pure

RE

Description Yellow crystals Identification Positive Water-insoluble matter ≤ 0.1 % Assay (oxidimetric) ≥ 98 %

Code	Size	Packaging	Notes
360557	1 kg	Plastic bottle	
360558	5 kg	Plastic tank	
360552	25 kg	Plastic bucket	



Potassium ferrocyanide solution 10%

• Potassio ferrocianuro soluzione 10% • Potassium ferrocyanure solution 10% • Potasio ferrocianuro solución 10% • Kaliumferrocyanidlösung 10%

$K_4Fe(CN)_6 \cdot 3H_2O$
 Molecular Weight: 422,41
 CAS: 14459-95-1

HEU032

Potassium ferrocyanide solution 10% > RPE - For analysis

RPE

Description Yellow clear liquid Identification Positive Density at 20° C ≥ 1.06 Assay (oxidimetric) 9.5 ÷ 10.5 %

Code	Size	Packaging	Notes
E471501	1 l	Glass bottle	



Potassium ferrocyanide solution 53 g/l

• Potassio ferricianuro soluzione 53 g/l • Potassium ferrocyanure solution 53 g/l • Potasio ferrocianuro solución 53 g/l • Kaliumferrocyanidlösung 53 g/l

$K_2Fe(CN)_6 \cdot 3H_2O$
Molecular Weight: 422,41
CAS: 14459-95-1

HEU032

Potassium ferrocyanide solution 53 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069801	100 ml	Plastic bottle	Ref Ph.Eur 1069801



Potassium fluoride

• Potassio fluoruro • Potassium fluorure • Potasio fluoruro • Kaliumfluorid

KF
Molecular Weight: 58,1
CAS: 7789-23-3
EEC-N: 232-151-5

Classification transport
ONU: 1812
Transport Hazard class: 6.1
Packing group III



Danger
H301-H311-H331
P261-P304+P340-P311a-P330-P361+P364-P403+P233

Potassium fluoride > RPE - For analysis

RPE

Description	White powder	Water not sol. matter	≤0.01 %	Sulphite	≤100 ppm	Ni	≤20 ppm
Identification	Positive	Chloride	≤0.05 %	Heavy metals (Pb)	≤20 ppm	Pb	≤20 ppm
Acidity (Hydrofluor ac)	≤0.1 %	Fluosilicates	≤0.05 %	Cu	≤20 ppm	Zn	≤20 ppm
Alcalinity (as K ₂ CO ₃)	≤ 0.1 %	Sulphate	≤100 ppm	Fe	≤10 ppm	Assay (non-aqueous medium)	≥98.0 %

Code	Size	Packaging	Notes
471564	100 g	Plastic bottle	
471561	250 g	Plastic bottle	
471562	1 kg	Plastic bottle	
471563	10 kg	Plastic bucket	



Potassium fluoride dihydrate

• Potassio fluoruro biidrato • Potassium fluorure dihydraté • Potasio fluoruro dihidrato • Kaliumfluorid-Dihydrat

KF·2H₂O
Molecular Weight: 94,13
CAS: 13455-21-5
EEC-N: 232-151-5

Classification transport
ONU: 1812
Transport Hazard class: 6.1
Packing group III



Danger
H301-H311-H331
P261-P304+P340-P311a-P330-P361+P364-P403+P233

Potassium fluoride dihydrate > RPE - For analysis

RPE

Description	White crystals	Identification	Positive	Assay	≥ 98.5 %
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Code	Size	Packaging	Notes
471555	250 g	Plastic bottle	



Potassium guaiacolsulfonate

• Potassio solfogaiaicolato • Potassium sulfogaiaicolate • Potasio sulfoguayacolato • Kaliumguajacolsulfonat

$C_7H_7KO_6S$
Molecular Weight: 242,29
CAS: 1321-14-8
EEC-N: 215-314-5

Potassium guaiacolsulfonate > RE - Pure

RE

Description	White crystalline powder	Water (K.F.)	≤6.0 %	Heavy metals (Pb)	≤20 ppm	Assay (non-aqueous medium)	≥95.5 %
Identification	Positive	Guaiacol (TLC)	≤0.5 %	Sulphate	≤200 ppm		

Code	Size	Packaging	Notes
363807	1 kg	Plastic bottle	



di-Potassium hexachloroplatinate

• di-Potassio esacloroplatinato • Potassium chloroplatinate • Di-Potasio hexacloroplatinato
• Dikaliumhexachloroplatinat

Synonym:
Potassium hexachloroplatinate(IV)

K_2PtCl_6
Molecular Weight: 486,01
CAS: 16921-30-5
EEC-N: 240-979-3

Classification transport
ONU: 3290
Transport Hazard class: 6.1
Packing group II



Danger
H301-H318-H334-H317
P261-P284-P301+P310a-P304+P340-
P305+P351+P338-P342+P311a

di-Potassium hexachloroplatinate > RPE - For analysis

RPE

Description	Yellow powder	Ca	≤ 20 ppm	Mg	≤ 20 ppm	Ru	≤ 20 ppm
Identification	Positive	Cu	≤ 10 ppm	Pd	≤ 20 ppm	Si	≤ 20 ppm
Ag	≤ 20 ppm	Fe	≤ 20 ppm	Pb	≤ 20 ppm	Assay (gravimetric)	40 ÷ 40.2 % Pt
Au	≤ 20 ppm	Ir	≤ 20 ppm	Rh	≤ 20 ppm		

Code	Size	Packaging	Notes
471127	1 g	Glass ampoule	

Potassium hexacyanoferrate(III) ▶ Potassium ferricyanide

Potassium hexacyanoferrate(II) trihydrate ▶ Potassium ferrocyanide trihydrate

Potassium hydrogen carbonate ▶ Potassium bicarbonate



Potassium hydrogen iodate

• Potassio iodato acido • Potassium iodate acide • Potasio yodato acido • Kaliumjodatsäure

Synonym:
Potassium biiodate

$KIO_3 \cdot HIO_3$
Molecular Weight: 389,92
CAS: 13455-24-8
EEC-N: 236-650-9

Classification transport
ONU: 3085
Transport Hazard class: 5.1
Packing group II



Danger
H272-H314
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium hydrogen iodate > RPE - For analysis

RPE

Description	White crystalline powder	Br-BrO3-Cl-ClO3 (Cl)	≤ 500 ppm	Fe	≤ 20 ppm	Assay (oxidimetric)	≥ 99 %
Identification	Positive	Sulphate	≤ 100 ppm	Ni	≤ 20 ppm		
Water-insoluble matter	≤ 500 ppm	Cu	≤ 20 ppm	Pb	≤ 20 ppm		

Code	Size	Packaging	Notes
472641	50 g	Glass bottle	

di-Potassium hydrogen phosphate ▶ Potassium phosphate dibasic anhydrous

di-Potassium hydrogen phosphate trihydrate ▶ Potassium phosphate dibasic trihydrate



Potassium hydrogen phthalate

• Potassio ftalato acido • Potassium phthalate acide • Potasio ftalato acido • Kaliumphthalsäure

Synonym:
• Phthalic acid monopotassium salt
• Potassium biphtalate

$HOOC_6H_4COOK$
Molecular Weight: 204,23
CAS: 877-24-7
EEC-N: 212-889-4

Potassium hydrogen phthalate > RS - For analysis according to Ph. Eur. Chap. 4.2.1

RS

Code	Size	Packaging	Notes
612000400	50 g	Plastic bottle	Ref Ph.Eur 2000400

Potassium hydrogen phthalate > RS - For volumetry and pHmetry

RS

Description White crystals Identification Positive pH sol. M/20 at 25° C 4.001 ÷ 4.011 Assay ≥ 99.5 %

Code	Size	Packaging	Notes
471913	25 g	Glass bottle	

Potassium hydrogen phthalate > RPE - For analysis

RPE

Description White crystals Heavy metals (Pb) ≤5 ppm Cu ≤5 ppm Pb ≤5 ppm
 Identification Positive Total sulphur ≤20 ppm Fe ≤5 ppm Zn ≤5 ppm
 Loss on drying (110°C) ≤500 ppm Ca ≤10 ppm Mg ≤10 ppm Assay (acidimetric) ≥99.5 %
 Total nitrogen ≤10 ppm Cd ≤5 ppm Mn ≤5 ppm
 Chloride ≤20 ppm Co ≤5 ppm Na ≤100 ppm
 Water-insoluble matter ≤30 ppm Cr ≤10 ppm Ni ≤5 ppm

Code	Size	Packaging	Notes
471865	250 g	Plastic bottle	
471866	1 kg	Plastic bottle	
471867	2.5 kg	Plastic bottle	



Potassium hydrogen phthalate 0.2 mol/l (0.2N)

- Potassio ftalato acido 0.2 mol/l (0.2N) • Potassium phthalate acide 0.2 mol/l (0.2N)
- Potasio ftalato acido 0.2 mol/l (0.2N) • Kaliumphthalsäure 0.2 mol/l (0.2N)

Synonym:

- Phthalic acid monopotassium salt
- Potassium biphtalate

HOOC₆H₄COOK
 Molecular Weight: 204,23
 CAS: 877-24-7

Potassium hydrogen phthalate 0.2 mol/l (0.2N) > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070001	1 l	Plastic bottle	Ref Ph.Eur 1070001



Potassium hydrogen phthalate 0.1 mol/l (0.1N)

- Potassio ftalato acido 0.1 mol/l (0.1N) • Potassium phthalate acide 0.1 mol/l (0.1N)
- Potasio ftalato acido 0.1 mol/l (0.1N) • Kaliumphthalsäure 0.1 mol/l (0.1N)

Synonym:

- Phthalic acid monopotassium salt
- Potassium biphtalate

HOOC₆H₄COOK
 Molecular Weight: 204,23
 CAS: 877-24-7

Classification transport

ONU: 2789
 Transport Hazard class: 8
 Packing group II



Danger

H226-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Potassium hydrogen phthalate 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E471926	500 ml	Bottle	

Ready-to-use solution in acetic anhydride

Potassium hydrogen sulfate ► Potassium bisulfate



Potassium hydroxide, flakes

- Potassio idrossido, scaglie • Potassium hydroxyde, écailles • Potasio hidróxido, escamas
- Kaliumhydroxid, Flocken

Synonym:
Caustic potash

KOH
Molecular Weight: 56,1
CAS: 1310-58-3
EEC-N: 215-181-3

Classification transport
ONU: 1813
Transport Hazard class: 8
Packing group II



Danger
H290-H302-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium hydroxide, flakes > ERBApharm - According to pharmacopoeia: BP-Ph.Eur.

ERBApharm

Description White flakes Carbonate..... ≤ 2.0 % Heavy metals (Pb)..... ≤ 10 ppm Na..... ≤ 1.0 %
Identification Positive Chloride..... ≤ 200 ppm Sulphate..... ≤ 200 ppm Assay (total alkalin.)..... 85.0 ÷ 100.5 %
Appearance of solution Conform Ph.Eur. Phosphate ≤ 100 ppm Fe ≤ 10 ppm

Code	Size	Packaging	Notes
362201	25 kg	Sack	
362202	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Potassium hydroxide, flakes > RE - Pure

RE

Description White flakes Chloride..... ≤ 80 ppm Na (NaOH)..... ≤ 0.9 % Assay (acidimetric) ≥ 85 %
Identification Positive Potassio carbonato..... ≤ 1 % Sulphate..... ≤ 20 ppm

Code	Size	Packaging	Notes
362257	1 kg	Plastic bottle	
362258	5 kg	Plastic tank	
362251	25 kg	Sack	



Potassium hydroxide, pellets

- Potassio idrossido, gocce • Potassium hydroxyde, pastilles • Potasio hidróxido, gotas
- Kaliumhydroxid, Pellets

Synonym:
Caustic potash

KOH
Molecular Weight: 56,1
CAS: 1310-58-3
EEC-N: 215-181-3

Classification transport
ONU: 1813
Transport Hazard class: 8
Packing group II



Danger
H290-H302-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium hydroxide, pellets > RS - RSE - For electronic use

RS

Description White pellets Heavy metals (Pb)..... ≤ 2 ppm Cu ≤ 0.5 ppm Ni ≤ 1 ppm
Identification Positive Silicate ≤ 15 ppm Fe ≤ 5 ppm Pb ≤ 1 ppm
Total nitrogen ≤ 3 ppm Sulphate ≤ 5 ppm Hg ≤ 0.1 ppm Zn ≤ 1 ppm
Carbonate..... ≤ 5000 ppm As ≤ 5 ppm Mg ≤ 5 ppm Assay (alkalimetric)..... ≥ 86 %
Chloride..... ≤ 10 ppm Ca ≤ 5 ppm Mn ≤ 0.1 ppm
Phosphate ≤ 5 ppm Cd..... ≤ 0.1 ppm Na..... ≤ 300 ppm

Code	Size	Packaging	Notes
472097	1 kg	Plastic bottle	
472092	5 kg	Plastic jar	

Potassium hydroxide, pellets > RS - For microanalysis

RS

Description White pellets Identification Positive

Code	Size	Packaging	Notes
472086	500 g	Plastic bottle	

Potassium hydroxide, pellets > RPE - For analysis - ACS - ISO

RPE

Description	White pellets	Carbonate.....	≤ 2.0 %	Heavy metals (Ag)	≤ 10 ppm	Assay (alkalimetric).....	≥ 85 %
Identification	Positive	Chloride.....	≤ 100 ppm	Fe	≤ 10 ppm	Mg	≤ 20 ppm
Ca	≤ 50 ppm	Phosphate	≤ 5 ppm	Na	≤ 500 ppm		
Total nitrogen.....	≤ 10 ppm	Sulphate.....	≤ 30 ppm	Ni.....	≤ 10 ppm		

Code	Size	Packaging	Notes
472171	100 g	Plastic bottle	
472172	500 g	Plastic bottle	
472173	1 kg	Plastic bottle	
472175	5 kg	Plastic jar	

Low content in sodium

Potassium hydroxide, pellets > RPE - For analysis

RPE

Description	White pellets	Phosphate	≤ 4 ppm	Ca	≤ 10 ppm	Cu.....	≤ 5 ppm
Identification	Positive	Silicate	≤ 5 ppm	Insoluble in water	≤ 50 ppm	Zn	≤ 5 ppm
Total nitrogen.....	≤ 5 ppm	Sulphate.....	≤ 10 ppm	Heavy metals (as Pb)	≤ 5 ppm		
Carbonate.....	≤ 0.6 %	Ag	≤ 0.5 ppm	Precipitable with NH ₄ OH.....	≤ 100 ppm		
Chloride.....	≤ 10 ppm	Al	≤ 10 ppm	As	≤ 1 ppm		

Code	Size	Packaging	Notes
472057	1 kg	Plastic bottle	
472059	5 kg	Plastic jar	
472056	25 kg	Plastic bucket	

Potassium hydroxide, pellets > ERBapharm - According to pharmacopeia: FU-Ph.Eur.

ERBapharm

Description	White pellets	Na	≤ 1.0 %	Phosphate	≤ 100 ppm	Fe	≤ 10 ppm
Identification	Positive	Carbonate.....	≤ 2.0 %	Heavy metals (Pb).....	≤ 10 ppm	Titolo (alcalinità totale)	85.0 ÷ 100.5 %
Appearance of solution.....	Conform Ph.Eur.	Chloride.....	≤ 200 ppm	Sulphate	≤ 200 ppm		

Code	Size	Packaging	Notes
362237	1 kg	Plastic bottle	
362239	5 kg	Plastic tank	
362235	25 kg	Sack	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade


Potassium hydroxide solution 45%

- Potassio idrossido soluzione 45% • Potassium hydroxyde solution 45% • Potasio hidróxido solución 45%
- Kaliumhydroxid 45%

 Synonym:
 Caustic potash

 KOH
 Molecular Weight: 56,1
 CAS: 1310-58-3

Classification transport
 ONU: 1814
 Transport Hazard class: 8
 Packing group II

Danger
 H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Potassium hydroxide solution 45% > RS - RSE - For electronic use

RS

Description	Clear liquid	Ni.....	≤ 1 ppm	Sulphate.....	≤ 3 ppm	Mg	≤ 3 ppm
Colour (APHA)	≤ 20	Assay (acidimetric)	45.0 ÷ 46.0 %	Silicate	≤ 10 ppm	Mn	≤ 0.5 ppm
Carbonate.....	≤ 1.0 %	Subst. ppt by NH ₄ OH.....	≤ 50 ppm	Heavy metals (Pb).....	≤ 3 ppm	Hg	≤ 0.05 ppm
Cr.....	≤ 1 ppm	Total nitrogen.....	≤ 0.5 ppm	Al	≤ 1 ppm	Pb	≤ 1 ppm
Cu.....	≤ 0.5 ppm	Chloride.....	≤ 5 ppm	As	≤ 0.5 ppm	Zn	≤ 1 ppm
Fe	≤ 1 ppm	Phosphate	≤ 3 ppm	Ca	≤ 3 ppm		

Code	Size	Packaging	Notes
472103	5 l	Plastic tank	



Potassium hydroxide solution 38% (40° Bé) in water

- Potassio idrossido soluzione 38% (40° Bé) in acqua • Potassium hydroxyde 38% (40° Bé)
- Potasio hidróxido solución 38% (40° Bé) en agua • Kaliumhydroxid 38% (40° Bé) in Wasser

Synonym:
Caustic potash

KOH
Molecular Weight: 56,1
CAS: 1310-58-3

Classification transport
ONU: 1814
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium hydroxide solution 38% (40° Bé) in water > RPE - For analysis

RPE

Description Clear colourless liquid Nitrogen compounds (N) ≤10 ppm Subst. ppt by NH₄OH ≤200 ppm Fe ≤5 ppm
Carbonate ≤1.5 % Phosphate ≤10 ppm Silicate ≤100 ppm Assay 38 - 40 %
Chloride ≤40 ppm Heavy metals (Pb) ≤20 ppm Sulphate ≤20 ppm

Code	Size	Packaging	Notes
E472151	1 l	Plastic bottle	
E472152	35 kg	Plastic drum	



Potassium hydroxide solution 33%

- Potassio idrossido soluzione 33% • Potassium hydroxyde 33% • Potasio hidróxido solución 33% • Kaliumhydroxid 33%

KOH
Molecular Weight: 56,1
CAS: 1310-58-3

Classification transport
ONU: 1814
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium hydroxide solution 33% > RS - For analysis

RS

Code	Size	Packaging	Notes
PS0766/22	5 l	Plastic tank	



Potassium hydroxide solution 28%

- Potassio idrossido soluzione 28% • Potassium hydroxyde 28% • Potasio hidróxido solución 28%
- Kaliumhydroxid 28%

Synonym:
Caustic potash

KOH
Molecular Weight: 56,1
CAS: 1310-58-3

Classification transport
ONU: 1814
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Potassium hydroxide solution 28% > RS - For gas analysis according to Orsat

RS

Description Clear colourless liquid Identification Positive Density at 20° C ~ 1.27 Assay (alkalimetric) 27 ÷ 29 %

Code	Size	Packaging	Notes
E472221	1 l	Plastic bottle	



Potassium hydroxide solution 3% in ethanol

- Potassio idrossido soluzione 3% in etanolo • Potassium hydroxyde solution 3% dans l'ethanol
- Potasio hidróxido solución 3% en etanol • Kaliumhydroxidlösung 3% in Ethanol

Synonym:
Caustic potash

KOH
Molecular Weight: 56,1
CAS: 1310-58-3

Classification transport
ONU: 2920

Potassium hydroxide solution 3% in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070303	100 ml	Glass bottle	Ref Ph.Eur 1070303

Potassium hydroxide 2 mol/l (2N) in ethanol
 • Potassio idrossido 2 mol/l (2N) in etanolo • Potassium hydroxyde 2 mol/l (2N) dans l'ethanol
 • Potasio hidróxido 2 mol/l (2N) en etanol • Kaliumhydroxid 2 mol / l (2N) in Ethanol

Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 2733 Transport Hazard class: 3 Packing group II	 	Danger H225-H314 P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Potassium hydroxide 2 mol/l (2N) in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070301	100 ml	Plastic bottle	Ref Ph.Eur 1070301

Potassium hydroxide 1 mol/l (1N)
 • Potassio idrossido 1 mol/l (1N) • Potassium hydroxyde 1 mol/l (1N) • Potasio hidróxido 1 mol/l (1N)
 • Kaliumhydroxid 1 mol/l (1N)

Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 1814 Transport Hazard class: 8 Packing group II		Danger H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Potassium hydroxide 1 mol/l (1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613009100	1 l	Plastic bottle	Ref Ph.Eur 3009100

Potassium hydroxide 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.999 - 1.001 N NIST 84

Code	Size	Packaging	Notes
472287000	1 l	Plastic bottle	Certified with NIST traceability
472282000	5 l	Kubidos	Certified with NIST traceability
472281000	10 l	Kubidos	Certified with NIST traceability

56.11 g of KOH. Volumetric solution ready-to-use. Content is guaranteed for standardized volumes at 20°C.

Potassium hydroxide 1 mol/l (1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
472311		Plastic ampoule	Volume: 165 ml

56,11 g of KOH. Volumetric concentrated solution to prepare 1 L of solution 1 N

Potassium hydroxide 0.5 mol/l (0.5N)
 • Potassio idrossido 0.5 mol/l (0.5N) • Potassium hydroxyde 0.5 mol/l (0.5N)
 • Potasio hidróxido 0.5 mol/l (0.5N) • Kaliumhydroxid 0.5 mol/l (0.5N)

Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 1814 Transport Hazard class: 8 Packing group II	 	Danger H302-H314 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Potassium hydroxide 0.5 mol/l (0.5N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.4995 - 0.5005 N NIST 84

Code	Size	Packaging	Notes
472337000	1 l	Plastic bottle	Certified with NIST traceability
472332000	5 l	Kubidos	Certified with NIST traceability
472331000	10 l	Kubidos	Certified with NIST traceability

28.055 g of KOH. Volumetric solution ready-to-use.

Potassium hydroxide 0.5 mol/l (0.5N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
472391		Plastic ampoule	Volume: 55 ml

28,055 g of KOH. Volumetric concentrated solution to prepare 1 L of solution 0,5 N


Potassium hydroxide 0.5 mol/l (0.5N) in ethanol

- Potassio idrossido 0.5 mol/l (0.5N) in alcole etilico
- Potassium hydroxyde 0.5 mol/l (0.5N) dans l'éthanol
- Potassium hydroxide 0.5 mol/l (0.5N) in ethanol
- Kaliumhydroxid 0.5 mol/l (0.5N) in ethanol

 Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 2924 Transport Hazard class: 3 Packing group II	 	Danger H225-H314 P210-P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Potassium hydroxide 0.5 mol/l (0.5N) in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613004900	1 l	Glass bottle	Ref Ph.Eur 3004900

Potassium hydroxide 0.5 mol/l (0.5N) in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070302	1 l	Glass bottle	Ref Ph.Eur 1070302

Potassium hydroxide 0.5 mol/l (0.5N) in ethanol > RPE - For analysis

RPE

Description Colourless to orange liquid Assay (potentiometry) 0.499 - 0.501 N NIST 84

Code	Size	Packaging	Notes
472021000	1 l	Plastic bottle	Certified with NIST traceability
472022000	1 l	Glass bottle	Certified with NIST traceability

28.055 g of KOH. Volumetric solution ready-to-use


Potassium hydroxide 0.5 mol/l (0.5N) in methanol

- Potassio idrossido 0.5 mol/l (0.5N) in alcole metilico
- Potassium hydroxyde 0.5 mol/l (0.5N) dans le méthanol
- Potasio hidróxido 0.5 mol/l (0.5N) en metanol
- Kaliumhydroxid 0.5 mol/l (0.5N) in methanol

 Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 3286 Transport Hazard class: 3 Packing group II	 	Danger H225-H301-H314-H370 P210-P280-P301+P330+P331-P303+P361+P353- P304+P340-P305+P351+P338
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Potassium hydroxide 0.5 mol/l (0.5N) in methanol > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.499 - 0.501 N NIST 84

Code	Size	Packaging	Notes
472366000	500 ml	Plastic bottle	Certified with NIST traceability
472364000	1 l	Glass bottle	Certified with NIST traceability
472367000	5 l	Plastic tank	Certified with NIST traceability

28.055 g of KOH. Volumetric solution ready-to-use

Potassium hydroxide 0.46 mol/l (0.46N)
 • Potassio idrossido 0.46 mol/l (0.46N) • Potassium hydroxyde 0.46 mol/l (0.46N)
 • Potasio hidróxido 0.46 mol/l (0.46N) • Kaliumhydroxid 0.46 mol/l (0.46N)
 Synonym: *Caustic potash*

KOH
 Molecular Weight: 56,1
 CAS: 1310-58-3

Classification transport
 ONU: 1814
 Transport Hazard class: 8
 Packing group II



Danger
 H302-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Potassium hydroxide 0.46 mol/l (0.46N) > RS - For agroalimentary analysis

RS

Description Clear colourless liquid Colour ≤ 10 APHA Assay 0.455 ÷ 0.465 N

Code	Size	Packaging	Notes
502212	5 l	Plastic tank	

Potassium hydroxide 0.25 mol/l (0.25N)
 • Potassio idrossido 0.25 mol/l (0.25N) • Potassium hydroxyde 0.25 mol/l (0.25N)
 • Potasio hidróxido 0.25 mol/l (0.25N) • Kaliumhydroxid 0.25 mol/l (0.25N)
 Synonym: *Caustic potash*

KOH
 Molecular Weight: 56,1
 CAS: 1310-58-3

Classification transport
 ONU: 1814
 Transport Hazard class: 8
 Packing group III



Warning
 H315-H319
 P264-P280a-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Potassium hydroxide 0.25 mol/l (0.25N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.2498 - 0.2503 N NIST 84

Code	Size	Packaging	Notes
472427000	1 l	Plastic bottle	Certified with NIST traceability
472422000	5 l	Kubidos	Certified with NIST traceability
472421000	10 l	Kubidos	Certified with NIST traceability

14.027 g of KOH. Volumetric solution ready-to-use

Potassium hydroxide 0.23 mol/l (0.23N)
 • Potassio idrossido 0.23 mol/l (0.23N) • Potassium hydroxyde 0.23 mol/l (0.23N)
 • Potasio hidróxido 0.23 mol/l (0.23N) • Kaliumhydroxid 0.23 mol/l (0.23N)
 Synonym: *Caustic potash*

KOH
 Molecular Weight: 56,1
 CAS: 1310-58-3

Classification transport
 ONU: 1814
 Transport Hazard class: 8
 Packing group III



Warning
 H315-H319
 P264-P280a-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Potassium hydroxide 0.23 mol/l (0.23N) > RS - For agroalimentary analysis

RS

Description Clear colourless liquid Assay 0.225 ÷ 0.235 N Colour ≤ 10 APHA

Code	Size	Packaging	Notes
502092	5 l	Plastic tank	

Potassium hydroxide 0.1 mol/l (0.1N)
 • Potassio idrossido 0.1 mol/l (0.1N) • Potassium hydroxyde 0.1 mol/l (0.1N)
 • Potasio hidróxido 0.1 mol/l (0.1N) • Kaliumhydroxid 0.1 mol/l (0.1N)
 Synonym: *Caustic potash*

KOH
 Molecular Weight: 56,1
 CAS: 1310-58-3

Classification transport
 ONU: 1814
 Transport Hazard class: 8
 Packing group III



Warning
 H315-H319
 P264-P280a-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Potassium hydroxide 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613004800	1 l	Plastic bottle	Ref Ph.Eur 3004800

Potassium hydroxide 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 84

Code	Size	Packaging	Notes
472457000	1 l	Plastic bottle	Certified with NIST traceability
472452000	5 l	Kubidos	Certified with NIST traceability
472451000	10 l	Kubidos	Certified with NIST traceability

5.61 g of KOH. Volumetric solution ready-to-use

Potassium hydroxide 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
472511		Plastic ampoule	Volume: 55 ml

5,611 g KOH. Volumetric concentrated solution to prepare 1 L of solution 0,1 N


Potassium hydroxide 0.1 mol/l (0.1N) in ethanol

- Potassio idrossido 0.1 mol/l (0.1N) in alcole etilico • Potassium hydroxyde 0.1 mol/l (0.1N) dans l'ethanol
- Potasio hidróxido 0.1 mol/l (0.1N) en etanol • Kaliumhydroxid 0.1 mol/l (0.1N) in ethanol

 Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 1170 Transport Hazard class: 3 Packing group II	 	Danger H225-H315-H319 P210-P241-P280-P303+P361+P353- P305+P351+P338-P332+P313
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Potassium hydroxide 0.1 mol/l (0.1N) in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613005100	1 l	Glass bottle	Ref Ph.Eur 3005100

Potassium hydroxide 0.1 mol/l (0.1N) in ethanol > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0998 - 0.1002 N NIST 84

Code	Size	Packaging	Notes
472041000	1 l	Glass bottle	Certified with NIST traceability
472042000	1 l	Plastic bottle	Certified with NIST traceability

5.61 g of KOH. Volumetric solution ready-to-use


Potassium hydroxide 0.1 mol/l (0.1N) in methanol

- Potassio idrossido 0.1 mol/l (0.1N) in alcole metilico
- Potassium hydroxyde 0.1 mol/l (0.1N) dans le méthanol • Potasio hidróxido 0.1 mol/l (0.1N) en metanol
- Kaliumhydroxid 0.1 mol/l (0.1N) in methanol

 Synonym:
Caustic potash

KOH Molecular Weight: 56,1 CAS: 1310-58-3	Classification transport ONU: 1230 Transport Hazard class: 3 Packing group II	  	Danger H225-H301-H311-H331-H315-H319-H370 P210-P280-P303+P361+P353-P304+P340- P305+P351+P338-P403+P233
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Potassium hydroxide 0.1 mol/l (0.1N) in methanol > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0998 - 0.1002 N NIST 84

Code	Size	Packaging	Notes
472486000	500 ml	Plastic bottle	Certified with NIST traceability
472484000	1 l	Glass bottle	Certified with NIST traceability

5.61 g of KOH. Volumetric solution ready-to-use



Potassium hydroxide in solution

• Potassio idrossido in soluzione • Potassium hydroxyde en solution • Potasio hidróxido en solución • Kaliumhydroxid in Lösung

KOH

Molecular Weight: 56,11

CAS: 1310-58-3

Classification transport

ONU: 2924

Transport Hazard class: 3

Packing group II



Danger

H225-H314

P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Potassium hydroxide in solution > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613005001	500 ml	Glass bottle	Ref Ph.Eur 3005001



Potassium iodate

• Potassio iodato • Potassium iodate • Potasio yodato • Kaliumiodat

KIO₃

Molecular Weight: 214

CAS: 7758-05-6

EEC-N: 231-831-9

Classification transport

ONU: 1479

Transport Hazard class: 5.1

Packing group II



Danger

H272

P210-P220-P280-P370+P378a-P501a

Potassium iodate > RPE - For analysis

RPE

Description white crystalline powder Loss on drying ≤ 0.5 % As ≤ 3 ppm
 Identification (I.R.) Positive iodide ≤ 20 ppm Assay (dried base) 99.0 ÷ 101.0 %
 Acidity or alkalinity Passes test Heavy metals (Pb) ≤ 20 ppm SO₄ < 50 ppm

Code	Size	Packaging	Notes
472563	50 g	Glass bottle	
472565	250 g	Glass bottle	



Potassium iodate 0.05 mol/l (0.3N)

• Potassio iodato 0.05 mol/l (0.3N) • Potassium iodate 0.05 mol/l (0.3N) • Potasio yodato 0.05 mol/l (0.3N) • Kaliumjodat 0.05 mol/l (0.3N)

KIO₃

Molecular Weight: 214

CAS: 7758-05-6

Potassium iodate 0.05 mol/l (0.3N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613005200	1 l	Glass bottle	Ref Ph.Eur 3005200



Potassium iodate 0.0167 mol/l (0.1N)

• Potassio iodato 0.0167 mol/l (0.1N) • Potassium iodate 0.0167 mol/l (0.1N) • Potasio yodato 0.0167 mol/l (0.1N) • Kaliumjodat 0.0167 mol/l (0.1N)

KIO₃

Molecular Weight: 214

CAS: 7758-05-6

Potassium iodate 0.0167 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
472601		Glass ampoule	Volume: 60 ml

Volumetric concentrated solution to prepare 1 L of solution 0.1 N



Potassium iodate 0.00167 mol/l (0.01N)

- Potassio iodato 0.00167 mol/l (0.01N) • Potassium iodate 0.00167 mol/l (0.01N) • Potasio yodato 0.00167 mol/l (0.01N)
- Kaliumjodat 0.00167 mol/l (0.01N)

KIO₃
Molecular Weight: 214
CAS: 7758-05-6

Potassium iodate 0.00167 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
472631		Glass ampoule	Volume: 60 ml

0,3567 g KIO₃. Volumetric concentrated solution to prepare 1 L of solution 0,01 N



Potassium iodide

- Potassio ioduro • Potassium iodure • Potasio yoduro • Kaliumiodid

KI
Molecular Weight: 166,01
CAS: 7681-11-0
EEC-N: 231-659-4



Danger
H372
P260-P264-P270-P314-P501a

Potassium iodide > RS - For microanalysis

RS

Description White cryst. powder Identification Positive

Code	Size	Packaging	Notes
472821	100 g	Glass bottle	

Potassium iodide > RPE - For analysis - ACS

RPE

Description White or colourless solid Water-insoluble matter ≤ 50 ppm Sulphate ≤ 50 ppm Fe ≤ 3 ppm
Identification Positive Chloride + bromide (Cl) ≤ 100 ppm Heavy metals (Pb) ≤ 5 ppm Mg ≤ 10 ppm
pH sol. 5% at 25° C 6.0 ÷ 9.2 Iodate ≤ 3 ppm Ba ≤ 20 ppm Na ≤ 50 ppm
Loss on drying at 150°C ≤ 0.2 % Phosphate ≤ 10 ppm Ca ≤ 20 ppm Assay (oxidimetric) ≥ 99.0 %

Code	Size	Packaging	Notes
472735	250 g	Plastic bottle	
472737	1 kg	Plastic bottle	
472736	25 kg	Plastic bucket	

Potassium iodide > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBapharm

Description Polvere bianca o quasi, o cristalli incolori Alkalinity Conform Ph.Eur. Loss on drying ≤ 1.0 % Fe ≤ 20 ppm
Identification Positive Thiosulphate Conform Ph.Eur. Iodate ≤ 4 ppm Assay (oxidimetric) 99.0 ÷ 100.5 % s.s.
Appearance of solution Conform Ph.Eur. Nitrat.nitrit.and NH₄OH Conform USP-NF Heavy metals (Pb) ≤ 10 ppm
Thiosulfates and barium .. Conform USP-NF Sulphate ≤ 150 ppm

Code	Size	Packaging	Notes
362405	250 g	Plastic bottle	
362407	1 kg	Plastic bottle	
362409	5 kg	Plastic tank	
362403	10 kg	Plastic tank	
362402	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium iodide solution 10%

• Potassio ioduro soluzione 10% • Potassium iodure solution 10% • Potasio yoduro solución 10% • Kaliumiodid 10%

KI
Molecular Weight: 166,01
CAS: 7681-11-0



Danger
H372
P260-P264-P270-P314-P501a

Potassium iodide solution 10% > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 1.072 - 1.080 Assay 9.5 ÷ 10.5 % p/p

Code	Size	Packaging	Notes
472831	500 ml	Glass bottle	



Potassium iodide solution 3.9%

• Potassio ioduro soluzione 3.9% • Potassium iodure solution 3.9% • Potasio yoduro solución 3.9% • Kaliumiodid 3.9%

KI
Molecular Weight: 166,01
CAS: 7681-11-0



Warning
H373
P260-P314-P501a

Potassium iodide solution 3.9% > RPE - For analysis

RPE

Description Clear colourless liquid Assay 3.7 - 4.1 % p/v

Code	Size	Packaging	Notes
472815000	250 ml	Glass bottle	

Content is guaranteed for standardized volumes at 20°C. Keep tightly closed



Potassium iodide solution

• Potassio ioduro soluzione • Potassium iodure solution • Potasio yoduro solución • Kaliumjodidlösung

KI
Molecular Weight: 166,01
CAS: 7681-11-0

Potassium iodide solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070504	100 ml	Glass bottle	Solution saturated Ref Ph.Eur 1070504
611070505	100 ml	Glass bottle	Solution iodinated R1 Ref Ph.Eur 1070505
611070502	1 l	Plastic bottle	Potassium iodide solution 166 g/l Ref Ph.Eur 1070502

Storage: protected from light



Potassium iodide starch paper

• Cartina di amido di potassio • Papier potassium iodure d' amidon • Almidón de yoduro de potasio papel • Kaliumiodid-Stärke-Papier

Potassium iodide starch paper > RS - For pHmetry

RS

Code	Size	Packaging	Notes
434980000	1 roll	Dispenser	Paper starch iodide, Color change: White --> Blue-purple



Potassium iodobismuthate solution

• potassio iodobismutato soluzione • Potassium iodobismuthate solution • Potasio yodobismutato solución • Kaliumjodobismutatlösung



Danger

H318-H372
P260-P264-P280i-P305+P351+P338-P310a-P501a

Potassium iodobismuthate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070600	100 ml	Glass bottle	Ref Ph.Eur 1070600
611070602	100 ml	Glass bottle	Potassium iodobismuthate solution R2 Ref Ph.Eur 1070602



Potassium metabisulfite

• Potassio metabisolfito • Potassium métabisulfite • Potasio metabisulfito • Kaliumdisulfit

Synonym:

Potassium disulfite



Molecular Weight: 222,33

CAS: 16731-55-8

EEC-N: 240-795-3



Warning

H319-H335-HEU031
P261-P271-P304+P340-P305+P351+P338-
P337+P313-P403+P233

Potassium metabisulfite > ERBApharm - According to pharmacopoeia: NF

ERBApharm

Description White powder or pieces Heavy metals (Pb)..... ≤10 ppm Assay (S02) 51.8 ÷ 57.6 %
Identification Positive Fe ≤10 ppm

Code	Size	Packaging	Notes
362627	1 kg	Plastic bottle	
362629	5 kg	Plastic tank	
362622	10 kg	Plastic tank	
362623	25 kg	Plastic bucket	

This product should be used in compliance with the current legislation.



Potassium nitrate

• Potassio nitrato • Potassium nitrate • Potasio nitrato • Kaliumnitrat



Molecular Weight: 101,1

CAS: 7757-79-1

EEC-N: 231-818-8

Classification transport

ONU: 1486

Transport Hazard class: 5.1

Packing group III



Danger

H272
P210-P220-P280-P370+P378a-P501a

Potassium nitrate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description White crystalline powder Chloride ≤20 ppm Sulphate ≤30 ppm Mg ≤20 ppm
Identification Positive Phosphate ≤5 ppm Heavy metals (Pb) ≤5 ppm Na ≤50 ppm
pH sol. 5% in H₂O 4.5 ÷ 8.5 Iodate ≤5 ppm Ca ≤50 ppm Assay (acidimetric) ≥99.0 %
Water-insoluble matter ≤50 ppm Nitrite ≤10 ppm Fe ≤3 ppm

Code	Size	Packaging	Notes
473006	100 g	Plastic bottle	
473007	1 kg	Plastic bottle	
473009	5 kg	Plastic tank	
473001	25 kg	Drum	

Potassium nitrate > ERBApharm - According to pharmacopoeia: BP-Ph.Eur.

ERBApharm

Description	White crystalline powder	Reducing substances	Conform Ph.Eur.	Ca	≤ 100 ppm	Assay (acidimetric)	99.0 ÷ 101.0 % s.s.
Identification	Positive	Ammonium	≤ 100 ppm	Fe	≤ 20 ppm		
Appearance of solution	Conform Ph.Eur.	Heavy metals (Pb)	≤ 10 ppm	Na	≤ 0.10 %		
Acidity or alkalinity	Conform Ph.Eur.	Sulphate	≤ 150 ppm	Loss on drying	≤ 0.5 %		

Code	Size	Packaging	Notes
363007	1 kg	Plastic bottle	
363009	5 kg	Plastic tank	
363002	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium nitrate 1 mol/l (1N)

• Potassio nitrato 1 mol/l (1N) • Potassium nitrate 1 mol/l (1N) • Potasio nitrato 1 mol/l (1N) • Kaliumnitrat 1 mol/l (1N)

KNO₃
Molecular Weight: 101,1
CAS: 7757-79-1

Potassium nitrate 1 mol/l (1N) > RPE - For analysis

RPE

Description	Clear colourless liquid	Identification	Positive	Density at 20°C	1.057 ÷ 1.061
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Code	Size	Packaging	Notes
473045	250 ml	Plastic bottle	



Potassium nitrite

• Potassio nitrito • Potassium nitrite • Potasio nitrito • Nitrit-Kalium

KNO₂
Molecular Weight: 85,1
CAS: 7758-09-0
EEC-N: 231-832-4

Classification transport
ONU: 1488
Transport Hazard class: 5.1
Packing group II



Danger
H272-H301-H400
P210-P220-P264-P280-P301+P310a-P330

Potassium nitrite > RPE - For analysis

RPE

Description	Yellowish crystals	Chloride	≤ 200 ppm	Fe	≤ 10 ppm	Assay	≥ 97 %
Identification	Positive	Sulphate	≤ 200 ppm	Pb	≤ 5 ppm		

Code	Size	Packaging	Notes
473084	100 g	Glass bottle	



Potassium oxalate monohydrate

• Potassio ossalato monoidrato • Potassium oxalate monohydrat • Potasio oxalato monohidrat • Kaliumoxalat-Monohydrat

Synonym:
• Ethanedioic acid
• Oxalic acid potassium salt

(COOK)₂·H₂O
Molecular Weight: 184,23
CAS: 6487-48-5
EEC-N: 209-506-8



Warning
H302-H312
P264-P270-P280h-P301+P312a-P330-P501a

Potassium oxalate monohydrate > RPE - For analysis - ACS

RPE

Description	White crystalline powder	Ready carbonizable substances	Conform	Chloride	≤ 20 ppm	Fe	≤ 10 ppm
Identification	Positive	Water-insoluble matter	≤ 100 ppm	Sulphate	≤ 100 ppm	Na	≤ 200 ppm
Neutrality	Conform	Ammonium	≤ 200 ppm	Heavy metals (Pb)	≤ 20 ppm	Assay (oxidimetric)	98.5 ÷ 101.0 %

Code	Size	Packaging	Notes
473135	250 g	Plastic bottle	
473137	1 kg	Plastic bottle	
473133	25 kg	Plastic bucket	



Potassium m-periodate

• Potassio (meta)-periodato • Potassium m-periodate • Potasio (meta)-periyodato • Kaliumperiodat

Synonym:
Periodic acid potassium salt

KIO₄
Molecular Weight: 230
CAS: 7790-21-8
EEC-N: 232-196-0

Classification transport
ONU: 1479
Transport Hazard class: 5.1
Packing group II



Danger
H272
P210-P220-P280-P370+P378a-P501a

Potassium m-periodate > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White crystalline powder Identification Positive Mn ≤ 1 ppm Assay (iodometric) ≥ 99.5 %

Code	Size	Packaging	Notes
473332	25 g	Glass bottle	
473334	100 g	Glass bottle	



Potassium permanganate

• Potassio permanganato • Potassium permanganate • Potasio permanganato • Kaliumpermanganat

KMnO₄
Molecular Weight: 158,04
CAS: 7722-64-7
EEC-N: 231-760-3

Classification transport
ONU: 1490
Transport Hazard class: 5.1
Packing group II



Danger
H272-H302-H410
P210-P220-P264-P280-P301+P312a-P501a

Potassium permanganate > RS - For enviromental analysis - ACS

RS

Description Dark violet crystals Chloride & Chlorate(Cl) ≤ 50 ppm Sulphate ≤ 200 ppm Assay (oxidimetric) ≥ 99.0 %
Identification Positive Water-insoluble matter ≤ 0.2 % Hg ≤ 0.05 ppm

Code	Size	Packaging	Notes
476671	100 g	Glass bottle	

Low content in Hg

Potassium permanganate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Dark violet crystals Chloride & Chlorate(Cl) ≤ 50 ppm Sulphate ≤ 200 ppm Appearance of solution Conform Ph.Eur.
Identification Positive Water-insoluble matter ≤ 0.2 % Assay (oxidimetric) 99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
473384	100 g	Plastic bottle	
473385	250 g	Plastic bottle	
473387	1 kg	Plastic bottle	
473381	25 kg	Metal drum	

Potassium permanganate > ERBapharm - According to pharmacopeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB

ERBapharm

Description Dark-violet crystals Appearance of solution Conform Ph.Eur. Water not sol. matter ≤ 0.2 % Sulphate ≤ 500 ppm
Identification Positive Loss on drying ≤ 0.5 % Chloride ≤ 200 ppm Assay (oxidimetric) 99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
363107	1 kg	Plastic bottle	
363109	5 kg	Plastic tank	
363101	25 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium permanganate solution 3%

• Potassio permanganato soluzione 3% • Potassium permanganate solution 3% • Potasio permanganato solución 3% • Kaliumpermanganatlösung 3%

KMnO₄
Molecular Weight: 158,04
CAS: 7722-64-7



H411
P273-P391-P501a

Potassium permanganate solution 3% > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070902	1 l	Glass bottle	Ref Ph.Eur 1070902



Potassium permanganate 0.2 mol/l (1N)

• Potassio permanganato 0.2 mol/l (1N) • Potassium permanganate 0.2 mol/l (1N) • Potasio permanganato 0.2 mol/l (1N) • Kaliumpermanganat 0.2 mol/l (1N)

KMnO₄
Molecular Weight: 158,04
CAS: 7722-64-7



H411
P273-P391-P501a

Potassium permanganate 0.2 mol/l (1N) > RPE - For analysis

RPE

Description Clear purple liquid Assay (potentiometry) 0.99 - 1.01 N NIST 136.....e

Code	Size	Packaging	Notes
473514000	1 l	Glass bottle	Certified with NIST traceability

3.1606 g of KMnO₄. Volumetric solution ready-to-use



Potassium permanganate 0.02 mol/l (0.1N)

• Potassio permanganato 0.02 mol/l (0.1N) • Potassium permanganate 0.02 mol/l (0.1N) • Potasio permanganato 0.02 mol/l (0.1N) • Kaliumpermanganat 0.02 mol/l (0.1N)

KMnO₄
Molecular Weight: 158,04
CAS: 7722-64-7

Potassium permanganate 0.02 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613005301	100 ml	Glass bottle	Ref Ph.Eur 3005300
613005309	250 ml	Glass bottle	Ref Ph.Eur 3005300
613005300	1 l	Glass bottle	Ref Ph.Eur 3005300

Potassium permanganate 0.02 mol/l (0.1N) > RPE - For analysis

RPE

Description Purple clear liquid Assay (potentiometry) 0.0998 - 0.1002 N NIST 136.....e

Code	Size	Packaging	Notes
473567000	1 l	Glass bottle	Certified with NIST traceability
473565000	5 l	Kubidos	Certified with NIST traceability

3.1606 g of KMnO₄. Volumetric solution ready-to-use

Potassium permanganate 0.02 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear purple liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
473591		Glass ampoule	Volume: 65 ml

3,161 g KMnO₄. Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Potassium permanganate 0.002 mol/l (0.01N)

- Potassio permanganato 0.002 mol/l (0.01N) • Potassium permanganate 0.002 mol/l (0.01N) • Potasio permanganato 0.002 mol/l (0.01N)
- Kaliumpermanganat 0.002 mol/l (0.01N)

KMnO_4
Molecular Weight: 158,04
CAS: 7722-64-7

H412
P273-P501a

Potassium permanganate 0.002 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear purple liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
473661		Glass ampoule	Volume: 60 ml

0,3161 g KMnO_4 . Volumetric concentrated solution to prepare 1 L of solution 0,01 N



Potassium permanganate and phosphoric acid solution

- Potassio permanganato e acido fosforico soluzione • Potassium permanganate - Solution phosphorique • Potasio permanganato y ácido fosfórico solución
- Kaliumpermanganat - Phosphorlösung

KMnO_4
Molecular Weight: 158,04
CAS: 7722-64-7

Potassium permanganate and phosphoric acid solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611070901	100 ml	Glass bottle	Ref Ph.Eur 1070901



Potassium persulfate

- Potassio persolfato • Potassium persulfate • Potasio persulfato • Kaliumpersulfat

Synonym:
Potassium peroxodisulfate

$\text{K}_2\text{S}_2\text{O}_8$
Molecular Weight: 270,31
CAS: 7727-21-1
EEC-N: 231-781-8

Classification transport
ONU: 1492
Transport Hazard class: 5.1
Packing group III



Danger
H272-H302-H315-H319-H334-H317-H335
P210-P280-P284-P304+P340-P305+P351+P338-
P342+P311a-P403+P233

Potassium persulfate > RE - Pure

RE

Description White crystalline powder Acidity(Sulphuric acid) ≤ 0.15 % Assay (oxidimetric) ≥ 99 %
Identification Positive Fe ≤ 5 ppm

Code	Size	Packaging	Notes
473701	1 kg	Plastic bottle	



Potassium phosphate dibasic anhydrous

- Potassio fosfato bibasico anidro • Potassium phosphate dibasique anhydre
- Potasio fosfato dibásico anhidro • Dikaliumhydrogenphosphat wasserfrei

Synonym:
Dipotassium hydrogenphosphate

K_2HPO_4
Molecular Weight: 174,18
CAS: 7758-11-4
EEC-N: 231-834-5

Potassium phosphate dibasic anhydrous > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystalline powder Loss on drying (105°C)..... ≤1.0 % Chloride..... ≤30 ppm Fe ≤10 ppm
 Identification Positive Water-insoluble matter ≤100 ppm Sulphate ≤50 ppm Na ≤500 ppm
 pH sol. 5% in H₂O 8.5 ÷ 9.6 Total nitrogen ≤10 ppm Heavy metals (Pb)..... ≤5 ppm Assay (potentiometric) ≥98.0 %

Code	Size	Packaging	Notes
471785	100 g	Plastic bottle	
471786	500 g	Plastic bottle	
471787	1 kg	Plastic bottle	
471782	5 kg	Plastic tank	
471781	25 kg	Plastic drum	
471788	25 kg	Plastic bucket	

Potassium phosphate dibasic anhydrous > RE - Pure

RE

Description white crystalline powder Chloride..... ≤100 ppm Sulphate ≤200 ppm Assay (acidimetric) ≥98 %
 Identification Positive Heavy metals (Pb)..... ≤30 ppm Fe ≤50 ppm

Code	Size	Packaging	Notes
361757	1 kg	Plastic bottle	
361752	5 kg	Plastic tank	
361751	25 kg	Plastic bucket	



Potassium phosphate dibasic trihydrate

- Potassio fosfato bibasico triidrato • Potassium phosphate dibasique trihydraté
- Potasio fosfato dibasico trihidrato • Zweiwertiges Kaliumphosphat-Trihydrat

Synonym:
Dipotassium hydrogen phosphate trihydrate

$K_2HPO_4 \cdot 3H_2O$
Molecular Weight: 228,23
CAS: 16788-57-1
EEC-N: 231-834-5

Potassium phosphate dibasic trihydrate > RPE - For analysis

RPE

Description White crystals Total nitrogen ≤50 ppm Cu ≤30 ppm Pb ≤30 ppm
 Identification Positive Chloride..... ≤50 ppm Fe ≤30 ppm
 pH sol. 5% in H₂O 8.5 ÷ 9.6 Sulphate ≤100 ppm Assay (non-aqueous medium) ≥ 99.0 %
 Water-insoluble matter ≤100 ppm As ≤1 ppm Ni ≤30 ppm

Code	Size	Packaging	Notes
471764	100 g	Plastic bottle	
471766	500 g	Plastic bottle	
471767	1 kg	Plastic bottle	
471761	25 kg	Fibre drum	



Potassium phosphate monobasic

- Potasio fosfato monobásico • Potassium phosphate monobasique • Potasio fosfato monobásico
- Kaliumphosphat monobasisch

Synonym:

- Monopotassium phosphate
- Potassium dihydrogen phosphate



Molecular Weight: 136,09

CAS: 7778-77-0

EEC-N: 231-913-4

Potassium phosphate monobasic > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description	White crystals	Water-insoluble matter	≤100 ppm	Fe	≤10 ppm	liquid Ph. Eur.	
Identification	Positive	Chloride	≤10 ppm	Na	≤50 ppm	Reducing substances	Pass test Ph.Eur.
pH sol. 5% in H ₂ O	4.2 ÷ 4.5	Sulphate	≤30 ppm	Assay (potentiometric) 99.0 ÷ 100.5 (s-s) %		As	≤ 2 ppm
Loss on drying (105°C)	≤0.2 %	Heavy metals (Pb)	≤10 ppm	Appearance of solution	Clear colourless	Loss on drying 130°C	≤ 2.0 %

Code	Size	Packaging	Notes
471685	100 g	Plastic bottle	
471686	500 g	Plastic bottle	
471687	1 kg	Plastic bottle	
471682	5 kg	Plastic jar	
471681	25 kg	Plastic bucket	

Potassium phosphate monobasic > ERBapharm - According to pharmacopoeia: NF

ERBapharm

Description	White crystalline powder	Loss on drying	≤1.0 %	Not soluble matter	≤0.2 %	Assay	98.0 ÷ 100.5 % s.s.
Identification	Positive	Fluoride	≤10 ppm	As	≤3 ppm	Origin (BSE/TSE)	Synthesis
Organic volatile impurities	Conform USP-NF	Heavy metals (Pb)	≤20 ppm	Pb	≤5 ppm	Residual solvents (Current ICH)	Conform

Code	Size	Packaging	Notes
361507	1 kg	Plastic bottle	
361509	5 kg	Plastic tank	
361503	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium phosphate monobasic 0.2 mol/l (0.2N)

- Potasio fosfato monobásico 0.2 mol/l (0.2N) • Potassium phosphate monobasique 0.2 mol/l (0.2N)
- Potasio fosfato monobásico 0.2 mol/l (0.2N) • Monobasisches Kaliumphosphat 0.2 mol/l (0.2N)

Synonym:

- Monopotassium phosphate
- Potassium dihydrogen phosphate



Molecular Weight: 136,09

CAS: 7778-77-0

Potassium phosphate monobasic 0.2 mol/l (0.2N) > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611069601	1 l	Plastic bottle	Ref Ph.Eur 1069601



Potassium pyroantimonate acid

- Potasio piroantimoniato ácido • Potassium pyroantimonate acide • Potasio piroantimoniato ácido
- Kaliumsäurepyroantimoniat

Synonym:

- Potassium hexahydroxoantimonate(V)
- Potassium antimonate, hydrated



Molecular Weight: 262,9

CAS: 12208-13-8

EEC-N: 235-387-7

Classification transport

ONU: 1549
Transport Hazard class: 6.1
Packing group III



Warning

H302-H332-H411
P261-P264-P271-P301+P312a-P304+P340-P501a

Potassium pyroantimonate acid > RPE - For analysis

RPE

Description	White to off white crystals powder	Identification	Positive	Assay (as K3B03 on calc.mat.)	≥ 99 %	Loss on ignition	≤ 22 %
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Code	Size	Packaging	Notes
473835	250 g	Plastic bottle	



Potassium pyroantimonate solution

• Potassio piroantimoniato soluzione • Potassium pyroantimoine solution • Potasio piroantimoniato solución • Kaliumpyroantimonlösung

Synonym:

• Potassium hexahydroxoantimonate(V)
• Potassium antimonate, hydrated

KSb(OH)_6

Molecular Weight: 262,9

CAS: 12208-13-8

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group II

Potassium pyroantimonate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611071303	100 ml	Plastic bottle	Ref Ph.Eur 1071300
611071309	250 ml	Plastic bottle	Ref Ph.Eur 1071300
611071302	1 l	Plastic bottle	Ref Ph.Eur 1071300

Potassium pyroantimonate solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000311	100 ml	Bottle	



tetra-Potassium pyrophosphate

• Potassio pirofosfato • Potassium pyrophosphate • Potasio pirofosfato • Kaliumpyrophosphat

$\text{K}_4\text{P}_2\text{O}_7$

Molecular Weight: 330,35

CAS: 7320-34-5

EEC-N: 230-785-7

tetra-Potassium pyrophosphate > RPE - For analysis

RPE

Description	White powder	Fluoride	..... ≤ 5 ppm	As	..... ≤ 1 ppm	Assay (acidimetric)	..... ≥ 95.0 %
Identification	Positive	Heavy metals (Pb)	..... ≤ 20 ppm	Fe	..... ≤ 30 ppm		
Water-insoluble matter	..... ≤ 0.1 %	pH sol. 1% at 25° C	..... 10.0 ÷ 10.5	Pb	..... ≤ 1 ppm		

Code	Size	Packaging	Notes
473915	250 g	Plastic bottle	



Potassium pyrosulphate

• Potassio pirozolfato • Potassium pyrosulfate • Potasio pirozolfato • Kaliumpyrosulfat

Synonym:

Potassium disulfate

$\text{K}_2\text{O}_7\text{S}_2$

Molecular Weight: 254,33

CAS: 7790-62-7

EEC-N: 232-216-8

Classification transport

ONU: 3260

Transport Hazard class: 8

Packing group II



Danger

H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Potassium pyrosulphate > RPE - For analysis - ACS

RPE

Description	White granules	Chloride	..... ≤ 20 ppm	Fe	..... ≤ 20 ppm	Ca	..... ≤ 20 ppm
Identification	Positive	Phosphate	..... ≤ 10 ppm	Na	..... ≤ 100 ppm	Mg	..... ≤ 10 ppm
Water (K.F.)	..... ≤ 2.5 %	Heavy metals (Pb)	..... ≤ 10 ppm	Assay (acidimetric)	..... 37.5 ÷ 38.6 % (H ₂ SO ₄)	Water-insoluble matter	..... ≤ 100 ppm

Code	Size	Packaging	Notes
474016	100 g	Plastic bottle	



Potassium sodium tartrate tetrahydrate

- Potassio sodio tartrato tetraidrato • Potassium sodium tartrate tétrahydraté
- Potasio y sodio tartrato tetrahidrato • Kalium natrium tartrat tetrahydrate

Synonym:
Rochelle salt

$C_4H_4O_6KNa \cdot 4H_2O$
Molecular Weight: 282,23
CAS: 6381-59-5
EEC-N: 205-698-2

Potassium sodium tartrate tetrahydrate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description . White semitransparent crystals	Chloride.....≤10 ppm	Sulphate.....≤50 ppm	%
Identification Positive	Phosphate .....≤20 ppm	Ca.....≤50 ppm	
pH sol. 5% at 25° C 6.0 ÷ 8.5	Water-insoluble matter .....≤50 ppm	Fe.....≤10 ppm	
Ammonium.....≤20 ppm	Heavy metals (Pb).....≤5 ppm	Assay (non-aqueous medium) . 99.0 ÷ 102.0	

Code	Size	Packaging	Notes
474115	100 g	Plastic bottle	
474116	500 g	Plastic bottle	
474117	1 kg	Plastic bottle	
474119	5 kg	Plastic jar	
474112	25 kg	Plastic bucket	
474114	50 kg	Plastic bucket	

Potassium sodium tartrate tetrahydrate > ERBApharm - According to pharmacopoeia: USP

ERBApharm

Description White crystalline powder	Ammonia.....Conform USP-NF	Assay (alkalimetric)..... 99.0 ÷ 102.0 % s.s.
Identification Positive	Water (K.F.)..... 21.0 ÷ 27.0 %	Origin (BSE/TSE)..... Conform
Alcalinity.....Conform USP-NF	Heavy metals (Pb).....≤10 ppm	Residual solvents (Current ICH)..... Conform

Code	Size	Packaging	Notes
363457	1 kg	Plastic bottle	
363459	5 kg	Plastic tank	
363455	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Potassium sorbate

- Potassio sorbato • Potassium sorbate • Potasio sorbato • Kaliumsorbat

Synonym:
• Potassium 2,4-hexadienoate
• Sorbic acid potassium salt

$CH_3(CH:CH)_2COOK$
Molecular Weight: 150,22
CAS: 24634-61-5
EEC-N: 246-376-1



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Potassium sorbate > RE - Pure

RE

Description White rode-like granules	Loss on drying in vacuo.....≤1 %	As.....≤3 ppm	Assay (non-aqueous medium) .....≥99 % s s
Identification Positive	Aldehydes(Formaldehyde).....≤0.1 %	Pb.....≤10 ppm	
M.p. extr. Sorbic acid..... 133 ÷ 135 ° C	Cu + Zn.....≤50 ppm	Zn.....≤25 ppm	

Code	Size	Packaging	Notes
363884	1 kg	Plastic bottle	



Potassium sulfate

• Potassio solfato • Potassium sulfate • Potasio sulfato • Kaliumsulfat

K_2SO_4
Molecular Weight: 174,27
CAS: 7778-80-5
EEC-N: 231-915-5

Potassium sulfate > RS - For microanalysis

RS

Description White crystals Identification Positive

Code	Size	Packaging	Notes
474205	250 g	Plastic bottle	

Potassium sulfate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description White crystals Total nitrogen ≤5 ppm Heavy metals (Pb) ≤5 ppm Assay (acidimetric) ≥99.0 %
Identification Positive Chloride ≤10 ppm Fe ≤5 ppm Ca ≤100 ppm
pH sol. 5% in H₂O 5.5 ÷ 8.5 Water-insoluble matter ≤100 ppm Na ≤200 ppm Mg ≤50 ppm

Code	Size	Packaging	Notes
474166	100 g	Plastic bottle	
474167	1 kg	Plastic bottle	
474169	5 kg	Plastic jar	

Potassium sulfate > RE - Pure

RE

Description White crystalline powder Loss on drying ≤ 0.1 % Na ≤ 300 ppm Mg ≤ 300 ppm
Identification Positive Assay (gravimetric) ≥99 % Chloride ≤ 40 ppm

Code	Size	Packaging	Notes
363607	1 kg	Plastic bottle	
363608	5 kg	Plastic tank	
363602	25 kg	Plastic bucket	



Potassium tartrate

• Potassio tartrato • Potassium tartrate • Potasio tartrato • Kaliumtartrat

Synonym:
Dipotassium tartrate hemihydrate

$C_4H_4K_2O_6 \cdot 1/2H_2O$
Molecular Weight: 235,28
CAS: 6100-19-2

Potassium tartrate > RPE - For analysis

RPE

Description White crystals Phosphate ≤ 5 ppm Ca ≤ 50 ppm Pb ≤ 2 ppm
Identification Positive Water-insoluble matter ≤ 50 ppm Cu ≤ 2 ppm Zn ≤ 2 ppm
pH sol. 5% at 25° C 7.0 ÷ 9.0 Heavy metals (Pb) ≤ 5 ppm Fe ≤ 5 ppm Assay (non-aqueous medium) ≥ 99 %
Ammonium ≤ 10 ppm Sulphate ≤ 50 ppm Na ≤ 200 ppm
Chloride ≤ 10 ppm As ≤ 0.4 ppm Ni ≤ 2 ppm

Code	Size	Packaging	Notes
474465	250 g	Plastic bottle	
474467	1 kg	Plastic bottle	



Potassium L-tartrate monobasic

- Potasio tartrato acido • Potassium L-tartrate monobasic • Potasio tartrato acido
- Kalium L-Tartrat monobasisch

Synonym:
Potassium bitartrate

COOK(CHOH)₂COOH
Molecular Weight: 188,18
CAS: 868-14-4
EEC-N: 212-769-1

Potassium L-tartrate monobasic > RPE - For analysis

RPE

Description White crystalline powder Pot. rotat. spec. a 20°C (c=10; NaOH 1N)..... +32 ÷ +33 ° Sulphate ≤ 100 ppm
Identification Positive Chloride..... ≤ 200 ppm As ≤ 1 ppm
Loss on drying ≤ 0.2 % Heavy metals (Pb)..... ≤ 10 ppm Assay (non-aqueous medium) ≥ 98.5 %

Code	Size	Packaging	Notes
474515	250 g	Plastic bottle	
474517	1 kg	Plastic bottle	

Potassium L-tartrate monobasic > RE - Pure

RE

Description White crystalline powder Ac. tartarico libero ≤ 0.2 % As ≤ 1 ppm
Identification Positive Chloride..... ≤ 350 ppm Pb ≤ 10 ppm
Loss on drying ≤ 0.5 % Sulphate ≤ 0.12 % Assay (acidimetric) ≥ 99.5 % s.s.

Code	Size	Packaging	Notes
363907	1 kg	Plastic bottle	



Potassium tellurite

- Potasio telurito • Potassium tellurite • Potasio telurito • Kaliumtellurit

K₂TeO₃·nH₂O
Molecular Weight: 253,8
CAS: 7790-58-1
EEC-N: 232-213-1



Danger

H301
P264-P270-P301+P310a-P330-P405-P501a

Potassium tellurite > RE - Pure

RE

Description Yellowish crystals Identification Positive Assay (oxidimetric) ≥ 95 %

Code	Size	Packaging	Notes
474652	25 g	Glass bottle	



Potassium tetraiodomercurate solution, alkaline

- Potasio tetraiodomercurato soluzione alcalina • Potassium tétraiodomercurate - Solution alcaline • Potasio tetraiodomercurato solución alcalina
- Kaliumtetraiodomercurat - alkalische Lösung

Classification transport

ONU: 3316
Transport Hazard class: 9
Packing group II



Danger

H290-H300-H310-H330-H314-H373-H410
P264-P273-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338-
P320-P361+P364

Potassium tetraiodomercurate solution, alkaline > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611071600	200 ml	Bottle	Ref Ph.Eur 1071600

	Potassium thiocyanate	Synonym: <i>Potassium rhodanide</i>
	• Potassio solfocianuro • Potassium sulfocyanure • Potasio sulfocianuro • Kaliumthiocyanat	

KSCN
Molecular Weight: 97,18
CAS: 333-20-0
EEC-N: 206-370-1



Warning
H302-H312-H332-H412-HEU032
P261-P264-P271-P280h-P301+P312a-P304+P340

Potassium thiocyanate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP **RPE**

Description	White crystals	Water-insoluble matter	≤50 ppm	Chloride.....	≤50 ppm	Fe	≤2 ppm
Identification	Positive	Reducing iodine	Conform ACS	Sulphate	≤50 ppm	Na.....	≤50 ppm
pH sol. 5% at 25° C	5.3 ÷ 8.7	Ammonium	≤30 ppm	Heavy metals (Pb).....	≤5 ppm	Assay (argentimetric)	≥99.0 %

Code	Size	Packaging	Notes
474355	250 g	Plastic bottle	
474357	1 kg	Plastic bottle	

Potassium thiocyanate > RE - Pure **RE**

Description	White crystalline powder	pH sol. 5% at 20°C	5.0 ÷ 8.7	Sulphate	≤ 0.1 %	Assay (argentimetric)	≥ 98 %
Identification	Positive	Chloride.....	≤ 500 ppm	Fe	≤ 20 ppm		

Code	Size	Packaging	Notes
363756	500 g	Plastic bottle	
363752	25 kg	Plastic bucket	

	Potassium thiocyanate solution 5%	Synonym: <i>Potassium rhodanide</i>
	• Potassio solfocianuro soluzione 5% • Potassium sulfocyanure solution 5% • Potasio sulfocianuro solución 5% • Kaliumthiocyanat 5%	

KSCN
Molecular Weight: 97,18
CAS: 333-20-0


HEU031-HEU210

Potassium thiocyanate solution 5% > RPE - For analysis **RPE**

Description	Clear colourless liquid	Identification	Positive	Density at 20° C	1.020 ÷ 1.030
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Code	Size	Packaging	Notes
E474381	1 l	Plastic bottle	

Stabilized with methyle p-hydroxybenzoate and n-Propyle p-hydroxybenzoate

	Potassium thiocyanate 0.1 mol/l (0.1N)	Synonym: <i>Potassium rhodanide</i>
	• Potassio solfocianuro 0.1 mol/l (0.1N) • Potassium sulfocyanure 0.1 mol/l (0.1N) • Potasio sulfocianuro 0.1 mol/l (0.1N) • Kaliumthiocyanat 0.1 mol/l (0.1N)	

KSCN
Molecular Weight: 97,18
CAS: 333-20-0

HEU031-HEU210

Potassium thiocyanate 0.1 mol/l (0.1N) > RPE - For analysis **RPE**

Description	Clear colourless liquid	Identification	Positive	Titration factor.....	0.998 ÷ 1.002
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Code	Size	Packaging	Notes
E474417	1 l	Plastic bottle	

9.718 g of KSCN. Volumetric solution ready-to-use. Stabilized with p-oxybenzoate



Potassium thiocyanate solution

- Potassio solfocianuro soluzione • Potassium sulfocyanure solution • Potasio sulfocianuro solución
- Kaliumsulfocyanidlösung

Synonym:
Potassium rhodanide

KSCN
Molecular Weight: 97,18
CAS: 333-20-0

Potassium thiocyanate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611071801	1 l	Plastic bottle	A 97 g/l solution Ref Ph.Eur 1071801



Praseodymium standard solution

- Praseodimio standard soluzione • Praseodyme solution standard • Praseodimio, solución patrón • Praseodym-Standardlösung

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Praseodymium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505782	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505785	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Praseodymium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503821	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503823	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503825	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503827	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Primary opalescent suspension

- Sospensione primaria di opalescenza • Suspension mère d'opalescence • Suspensión opalescente primaria • Suspensionsmutter der Opaleszenz



Danger


H317-H350-HA26
P261-P280-P308+P313-P362+P364-P333+P313-
P501a

Primary opalescent suspension > RS - For analysis according to USP - Ph. Eur. Chap. 2.2.1

RS

Description Opalescent liquid Assay (15ml in 1l of purif.water)..... 57 - 63 NTU

Code	Size	Packaging	Notes
612201100	100 ml	Glass bottle	Formazin suspension
612201101	1 l	Glass bottle	Formazin suspension


	L(-)Proline • L(-)Prolina • L(-)Proline • L(-)Prolina • L-Prolin	Synonym: (S)-Pyrrolidine-2-carboxylic acid
	<chem>NH(CH2)3CHCOOH</chem> Molecular Weight: 115,13 CAS: 147-85-3 EEC-N: 205-702-2	




L(-)Proline > RPE - For analysis

RPE

Description White crystalline powder Potere rotat. spec. a 20°C (C=4; H2O) -86.8 ÷ -84.5 ° Loss on drying ≤ 0.3 %
 Identification Positive pH 2,5% at 25° C 5.5 ÷ 7 Assay (non-aqueous medium) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
474708	5 g	Glass bottle	

	Propan-1-ol • Propan-1-olo • Propane-1-ol • Propan-1-ol • 1-Propanol	Synonym: Propyl alcohol
	<chem>CH3CH2CH2OH</chem> Molecular Weight: 60,1 CAS: 71-23-8 EEC-N: 200-746-9	

Classification transport ONU: 1274 Transport Hazard class: 3 Packing group III	  	Danger H225-H302-H318-H336 P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233
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Propan-1-ol > RS - For HPLC - Isocratic Grade

RS

Description Clear colourless liquid Boiling point 96.9 ÷ 97.4 ° C Assay (GLC) ≥99.5 % at 240 nm ≥79 %
 Identification Positive Acidity or alkalinity ≤0.00015 meq/g U.V. Transmittance at 250 nm ≥89 %
 Density at 20° C 0.803 ÷ 0.805 Water (K.F) ≤500 ppm at 220 nm ≥20 % at 270 nm ≥96 %
 Refractive index at 20°C. 1.3840 ÷ 1.3860 Residue on evaporation ≤10 ppm at 230 nm ≥56 % at 290 nm ≥98 %

Code	Size	Packaging	Notes
412541000	1 l	Glass bottle	
412542000	2.5 l	Glass bottle	

Propan-1-ol > RS - Anhydrous - For analysis

RS

Refractive index at 20°C 1.384 - 1.386 Non volatile residue ≤ 10 mg/Kg Assay (GC) ≥ 99.5 %
 Water content (K.F) ≤ 300 mg/Kg Colour ≤ 10 Hazen Free acid (as CH3COOH) ≤ 0.03 % m/m

Code	Size	Packaging	Notes
P0941016	1 l	Glass bottle	
P0941021	2.5 l	Glass bottle	

Propan-1-ol > RPE - For analysis - Reag. Ph. Eur.

RPE

Description Clear liquid Density at 20° C 0.803 ÷ 0.805 Distillation range 96 ÷ 99°C Acidity (acetic acid) ≤ 0.03 %
 Identification (I.R.) Conform Refractive index at 20°C. 1.3840 ÷ 1.3860 Water (K.F) ≤ 1000 ppm Assay (GLC) ≥ 99.5 %
 Colour ≤ 10 APHA Boiling point 96 ÷ 98 ° C Residue on evaporation ≤ 5 ppm

Code	Size	Packaging	Notes
415104	1 l	Glass bottle	
415102	2.5 l	Glass bottle	
415108	10 l	Plastic tank	
415106	25 l	Aluminium can	

Propan-1-ol > RE - Pure

RE

Description	Clear liquid	Density at 20° C	0.802 ÷ 0.806	Water (K.F.)	≤ 0.5 %	Assay (GLC)	≥ 99 %
Identification	Positive	Refractive index at 20°C. 1.3830 ÷ 1.3870		Residue on evaporation	≤ 50 ppm	Colour	≤ 10 APHA

Code	Size	Packaging	Notes
309351	1 l	Glass bottle	
309352	2.5 l	Glass bottle	
309354	5 l	Plastic tank	
309353	25 l	Plastic tank	
309358	165 kg	Metal drum	



Propan-2-ol

• Propan-2-olo • Propane-2-ol • Propan-2-ol • 2-Propanol

Synonym:

- Isopropanol
- IPA

CH₃CHOHCH₃
Molecular Weight: 60,1
CAS: 67-63-0
EEC-N: 200-661-7

Classification transport

ONU: 1219
Transport Hazard class: 3
Packing group II



Danger

H225-H319-H336
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

Propan-2-ol > RS - For LC/MS

RS

Description	Clear colourless liquid	Acidity (acetic acid).....	≤ 0.0010 %	At 260 nm	≥ 98.5 %	Al	≤ 50 ppb
Colour	≤ 10 APHA	Alcalinity (NH ₃).....	≤ 0.0005 %	HPLC Gradient		Fe	≤ 50 ppb
Identification (I.R.).....	Positive	Assay (CPG).....	≥ 99.95 %	At 254 nm	≤ 2 mAU	Na.....	≤ 50 ppb
Refractive index at 20°C.....	1.375 - 1.379	Transmittance		Test LC-MS TIC (50-2000m/z) ES I(+)		Ca.....	≤ 50 ppb
Water (K.F.).....	≤ 200 ppm	At 220 nm	≥ 64 %	Sensitive Impurities (reserpine).....	≤ 100 ppb	Mg.....	≤ 50 ppb
Residue on evaporation	≤ 2 ppm	At 230 nm	≥ 80 %	Metals compounds		K.....	≤ 50 ppb

Code	Size	Packaging	Notes
415183	1 l	Glass bottle	
415184	2.5 l	Glass bottle	

Propan-2-ol > RS - For HPLC PLUS Gradient grade

RS

Description	Clear colourless liquid	Acidity or alkalinity.....	≤ 0.0001 meq/g	at 254 nm	≤ 2 ppb	at 240 nm	≥ 89 %
Identification	Positive	Water (K.F.)	≤ 0.1 %	at 365 nm	≤ 2 ppb	at 250 nm	≥ 96 %
Density at 20° C	0.784 ÷ 0.786	Residue on evaporation	≤ 2 ppm	U.V. Transmittance		at 260 nm	≥ 98 %
Refractive index at 20°C. 1.3766 ÷ 1.3786		Assay (GLC)	≥ 99.9 %	at 220 nm	≥ 63 %	at 270 nm	≥ 99 %
Boiling point.....	82.1 ÷ 82.6 °C	Fluorescence		at 230 nm	≥ 79 %		

Code	Size	Packaging	Notes
412711000	1 l	Glass bottle	
412712000	2.5 l	Glass bottle	

Propan-2-ol > RS - For HPLC Isocratic grade - ACS - Reag.Ph.Eur - Reag.USP

RS

Appearance	Clear liquid	Density at 20°C	0.784 ÷ 0.786	Assay (GLC)	≥ 99.9 %	at 275 nm	≤ 0.03 AU
Identification	Positive	Refractive index at 20°C. 1.3766 ÷ 1.3786		Absorbance UV (ACS - USP)		at 300 nm	≤ 0.02 AU
Color	≤ 10 APHA	Carbonyl comp. (propionald. and acetone) ≤ 20 ppm		at 210 nm	≤ 1.00 AU	from 400 to 330 nm.....	≤ 0.01 AU
Solubility in water.....	Passes test	Residue after evaporation	≤ 5 ppm	at 220 nm	≤ 0.40 AU	Transmittance UV (RS CLHP - Reag Ph Eur)	
Miscibility in alcohol	Passes test	Water (H ₂ O).....	≤ 500 ppm	at 230 nm	≤ 0.20 AU	at 250 nm	≥ 95 %
Miscibility in water.....	Passes test	Titration acid or base.....	≤ 0.0001 meq/g	at 245 nm	≤ 0.08 AU		
Boiling point.....	82.05 ÷ 82.55 °C			at 260 nm	≤ 0.04 AU		

Code	Size	Packaging	Notes
412821	1 l	Glass bottle	
525161	2.5 l	Glass bottle	

Propan-2-ol > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Acidity or alkalinity.....	≤0.0001 meq/g	At 210 nm	≥ 20 %	at 260 nm	≥98 %
Identification	Positive	Water (K.F.)	≤0.1 %	at 220 nm	≥63 %	at 270 nm	≥99 %
Density at 20° C	0.784 ÷ 0.786	Residue on evaporation	≤2 ppm	at 230 nm	≥79 %		
Refractive index at 20°C.....	1.3766 ÷ 1.3786	Assay (GLC)	≥99.9 %	at 240 nm	≥89 %		
Boiling point.....	82.1 ÷ 82.6 ° C	U.V. Transmittance		at 250 nm	≥96 %		

Code	Size	Packaging	Notes
412421000	1 l	Glass bottle	
412422000	2.5 l	Glass bottle	

Propan-2-ol > RS - For preparative HPLC

RS

Description	Clear colourless liquid	Refractive index at 20°C.....	1.3766 ÷ 1.3786	Residue on evaporation	≤5 ppm	U.V. Transmittance	
Identification	Positive	Boiling point.....	82.1 ÷ 82.6 ° C	Alcalinity (NH3).....	≤0.0002 meq/g	at 220 nm	≥50 %
Density at 20° C	0.784 ÷ 0.786	Water (K.F.)	≤500 ppm	Assay (GLC)	≥99.5 %	at 255 nm	≥97 %

Code	Size	Packaging	Notes
415112	2.5 l	Glass bottle	

Propan-2-ol > RS - PESTIPUR - For pesticide analysis

RS

Clear, colourless liq. appearance	Conform	Water content (K.F.)	≤ 500 mg/Kg	GC-ECD. Individual peak (Lindane) ..	≤ 3 ng/l	Retention time Atrazin to Coumaphos	
Identification	Conform	Non volatile residue	≤ 2 mg/Kg	Retention time trichlorobenzene to mirex			
Refractive index at 20°C.....	1.375 - 1.379	Free acid (as CH3COOH).....	≤ 20 mg/Kg	GC-NPD. Individual peak (Ethylparathion) ≤	3 ng/l		
Colour	≤ 10 Apha	Assay (GC)	≥ 99.9 %				

Code	Size	Packaging	Notes
415281	1 l	Glass bottle	

For chlorinated and nitrogenous compounds analysis.

Propan-2-ol > RS - SPECTROSOL - For optical spectroscopy

RS

Description	Clear liquid	Boiling point.....	82.1 ÷ 82.6 ° C	Assay (GLC)	≥99.8 %	at 205 nm	≥10 %
Colour (APHA)	≤10	Water (K.F.)	≤500 ppm	Fluorescence		at 215 nm	≥50 %
Identification	Positive	Residue on evaporation	≤5 ppm	at 254 nm	≤2 ppb	at 230 nm	≥80 %
Density at 20° C	0.784 ÷ 0.786	Acidity	≤0.0005 meq/g	at 365 nm	≤2 ppb	at 250 nm	≥95 %
Refractive index at 20°C.....	1.3766 ÷ 1.3786	Alcalinity.....	≤0.0002 meq/g	U.V. Transmittance		at 260 nm	≥98 %

Code	Size	Packaging	Notes
415213	1 l	Glass bottle	
P0952721	2.5 l	Glass bottle	

Propan-2-ol > RS - Anhydrous - For analysis

RS

Refractive index at 20°C.....	1.375 - 1.379	Non volatile residue	≤ 10 mg/Kg	Assay (GC)	≥ 99.8 %
Water content (K.F.)	≤ 300 mg/Kg	Colour	≤ 10 Hazen	Free acid (as CH3COOH).....	≤ 10 mg/Kg

Code	Size	Packaging	Notes
P0951010	200 ml	Bottle with septum	
P0951016	1 l	Glass bottle	

Propan-2-ol > RS - VLSI - For electronic use

RS

Code	Size	Packaging	Notes
527696	1 l	Plastic bottle	
527690	2.5 l	Plastic bottle	
527691	30 l	Plastic tank	

For specifications, contact our customer service for a certificate of analysis

Propan-2-ol > RS - RSE - For electronic use

RS

Description	White flakes	Chloride	≤0.2 ppm	Ca	≤0.2 ppm	Ni	≤0.01 ppm
Identification	Positive	Total phosphorus	≤0.1 ppm	Cd	≤0.01 ppm	Pb	≤0.01 ppm
Colour (APHA)	≤10	Heavy metals (Pb)	≤0.1 ppm	Co	≤0.01 ppm	Pt	≤0.05 ppm
Assay (HRGC)	≥99 %	Subst. reducing KMnO ₄	≤2.5 ppm	Cr	≤0.01 ppm	Sb	≤0.01 ppm
Water miscibility	Conform	Phosphate	≤0.5 ppm	Cu	≤0.01 ppm	Sn	≤0.02 ppm
Assay (GLC)	≥99.7 %	Total sulphur	≤1 ppm	Fe	≤0.1 ppm	Sr	≤0.02 ppm
Resistivity	≥10 Mohm.cm	Ag	≤0.02 ppm	Ga	≤0.02 ppm	Ti	≤0.05 ppm
Density at 20° C	0.784 ÷ 0.786	Al	≤ 50 ppb	In	≤0.02 ppm	Tl	≤0.05 ppm
Boiling point	82.1 ÷ 82.6 ° C	As	≤0.01 ppm	K	≤0.1 ppm	V	≤0.05 ppm
Water (K.F.)	≤500 ppm	Au	≤0.05 ppm	Li	≤0.02 ppm	Zn	≤ 10 ppb
Residue on evaporation	≤5 ppm	B	≤0.01 ppm	Mg	≤0.1 ppm	Zr	≤0.05 ppm
Acidity (propionic ac.)	≤10 ppm	Ba	≤0.1 ppm	Mn	≤0.01 ppm		
Alcalinity (NH ₃)	≤2 ppm	Be	≤0.02 ppm	Mo	≤0.05 ppm		
Aldehydes - ketones	≤50 ppm	Bi	≤0.02 ppm	Na	≤0.5 ppm		

Code	Size	Packaging	Notes
415237	1 l	Glass bottle	
415235	2.5 l	Glass bottle	
415231	5 l	Metal tank	
415238	5 l	Plastic bottle	
415236	27 l	Metal drum	
415233	200 l	Metal drum	

Propan-2-ol > RS - MOS - For electronic use

RS

Description	Clear liquid	Chloride	≤0.2 ppm	Ca	≤0.2 ppm	Na	≤0.5 ppm
Colour (APHA)	≤10	Phosphate	≤0.5 ppm	Cd	≤0.01 ppm	Ni	≤0.01 ppm
Identification	Positive	Heavy metals (Pb)	≤0.1 ppm	Co	≤0.01 ppm	Pb	≤0.01 ppm
Water miscibility	Conform	Subst. reducing KMnO ₄	≤2.5 ppm	Cr	≤0.01 ppm	Pt	≤0.05 ppm
Resistivity	≥10 Mohm.cm	Total sulphur	≤1 ppm	Cu	≤0.01 ppm	Sb	≤0.01 ppm
Assay (GLC)	≥99.7 %	Ag	≤0.02 ppm	Fe	≤0.1 ppm	Sn	≤0.02 ppm
Density at 20° C	0.784 ÷ 0.786	Al	≤0.05 ppm	Ga	≤0.02 ppm	Sr	≤0.02 ppm
Boiling point	82.1 ÷ 82.6 ° C	As	≤0.01 ppm	In	≤0.02 ppm	Ti	≤0.05 ppm
Water (K.F.)	≤500 ppm	Au	≤0.05 ppm	K	≤0.1 ppm	Tl	≤0.05 ppm
Residue on evaporation	≤5 ppm	B	≤0.01 ppm	Li	≤0.02 ppm	V	≤0.05 ppm
Acidity (propionic ac.)	≤10 ppm	Ba	≤0.1 ppm	Mg	≤0.1 ppm	Zn	≤0.01 ppm
Alcalinity (NH ₃)	≤2 ppm	Be	≤0.02 ppm	Mn	≤0.01 ppm	Zr	≤0.05 ppm
Aldehydes - ketones	≤50 ppm	Bi	≤0.02 ppm	Mo	≤0.05 ppm		

Code	Size	Packaging	Notes
415162	1 l	Glass bottle	
415161	2.5 l	Glass bottle	

Propan-2-ol > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	Clear liquid	Residue on evaporation	≤ 10 ppm	B	≤ 0.02 ppm	Mg	≤ 0.1 ppm
Colour (APHA)	≤ 10	Acidity or alkalinity	≤ 0.0001 meq/g	Ba	≤ 0.5 ppm	Mn	≤ 0.01 ppm
Identification (I.R.)	Conform	Carbonyl compounds (acetone)	≤ 20 ppm	Ca	≤ 0.5 ppm	Ni	≤ 0.01 ppm
Water miscibility	Conform	Carbonyl compounds (propionaldehyde)	≤ 20 ppm	Cd	≤ 0.01 ppm	Pb	≤ 0.01 ppm
Density at 20° C	0.785 ÷ 0.789	Subst. reducing KMnO ₄	≤ 5 ppm	Co	≤ 0.01 ppm	Zn	≤ 0.01 ppm
Refractive index at 20° C	1.3766 ÷ 1.3786	Heavy metals (Pb)	≤ 1 ppm	Cr	≤ 0.01 ppm	Assay (GLC)	≥ 99.9 %
Boiling point	82.1 ÷ 82.6 ° C	Al	≤ 0.5 ppm	Cu	≤ 0.01 ppm		
Water (K.F.)	≤ 0.1 %			Fe	≤ 0.1 ppm		

Code	Size	Packaging	Notes
415154	1 l	Glass bottle	
524171	1 l	Spray bottle	6 units / box
415156	2.5 l	Glass bottle	
415158	2.5 l	Plastic bottle	
415173	5 l	Plastic bottle	
529174	5 l	Plastic tank	
415153	10 l	Plastic tank	
415157	25 l	Aluminium can	
524170	25 l	Plastic tank	
415152	200 l	Metal drum	

Propan-2-ol > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-Ph.Franc.-BP

ERBApharm

Description	Clear colourless liquid	Density at 25°C	0.783 - 0.787	Related compounds.....	≤ 0.3 %	at 290 nm	≤ 0.02 AU
Identification	Conform	Refractive index at 20°C.....	1.376 - 1.378	Any single impurity.....	≤ 0.1 %	at 310 nm	≤ 0.01 AU
Appearance of solution	Conform Ph. Eur.	Water (K.F.)	≤ 0.1 %	Total impurities (GC)	≤ 1.0 %	UV Absorbance curve from 230 to 310	
Acidity or alkalinity (ml NaOH 0,01M).....	≤ 0.6 ml	Benzene	≤ 2 ppm	UV Absorbance		nm	Curve with no observable peaks or shoulders Ph.Eur.
Acidity (ml NaOH 0,020N).....	≤ 0.70 ml	Non volatile substances.....	≤ 20 ppm	at 230 nm	≤ 0.30 AU	Origin (BSE/TSE).....	Synthesis
Peroxide	Conform Ph.Eur.	Limit of volatiles impuritiesConform USP-NF		at 250 nm	≤ 0.10 AU	Residual solvents (Current ICH).....	Conform
Density at 20°C	0.785 - 0.789 Ph.Eur.	Assay (CPG).....	≥ 99.9 %	at 270 nm	≤ 0.03 AU		

Code	Size	Packaging	Notes
309501	1 l	Glass bottle	
309505	2.5 l	Glass bottle	
529165	5 l	Plastic tank	
309506	10 l	Plastic tank	
309504	25 l	Metal drum	
309507	25 l	Plastic drum	
309500	200 l	Metal drum	
309509	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Propan-2-ol > RE - Pure

RE

Description	Clear colourless liquid	Residue on evaporation	≤ 20 ppm	Acidity (acetic acid).....	≤ 20 ppm
Water (K.F.)	≤ 2000 ppm	Refractive index at 20°C.....	1.375 ÷ 1.379	Colour	≤ 10 APHA

Code	Size	Packaging	Notes
529093	5 l	Plastic tank	
529092	25 l	Plastic tank	
529091	200 l	Metal drum	



Propan-2-ol 70%

• Propan-2-olo 70% • Propane-2-ol 70% • Propan-2-ol 70% • 2-Propanol 70%

Synonym:

- 2-Propanol
- Isopropanol

CH₃CHOHCH₃
Molecular Weight: 60,1
CAS: 67-63-0

Classification transport
ONU: 1219
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H336
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

Propan-2-ol 70% > RPE - For analysis - ACS

RPE

Description	Clear colourless liquid	Density at 20°C	0.856 ÷ 0.862
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Code	Size	Packaging	Notes
524161	25 l	Plastic tank	

Propan-2-ol 70% > ERBApharm - According to pharmacopoeia: Ph.Eur.- Microbiological tested

ERBApharm

Description	Clear colourless liquid	Related substances (CPG)	≤ 0.3 %	Residual solvents (Current ICH).....	Conform	Test of specified micro-organisms	
Density at 20°C	0.856 - 0.862	Absorbance	Conform Ph.Eur.	Total aerobic microbial count (TAMC)	≤ 5 CFU/100ml	Enterobacteriaceae.....	Absent/100 ml
Assay (alcoholometric) at 20°C.....	69 - 71 % (m/m)	Benzene	≤ 2 ppm	Total yeasts/mould count (TYMC).....	≤ 5 CFU/100ml	Staphylococcus aureus.....	Absent/100 ml
		Origin (BSE/TSE).....	Synthesis			Pseudomonas aeruginosa....	Absent/100 ml

Code	Size	Packaging	Notes
524195	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Propan-2-ol 70% > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Description Clear colourless liquid Density at 20°C 0.856 ÷ 0.862 Assay (alcoholic) at 20°C 69 ÷ 71 % (m/m)

Code	Size	Packaging	Notes
524182	1 l	Plastic bottle	
524183	1 l	Spray bottle	6 units / box
524184	2.5 l	Plastic bottle	
524181	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Propanedioic acid ▶ Malonic acid

1,2-Propanediol ▶ Propylene glycol



1,3-Propanediol

• 1,3-Propanediolo • 1,3-Propanediol • 1,3-Propanodiol • 1,3-Propandiol

Synonym:

- 1,3-Dihydroxypropane
- Trimethylene glycol

CH₂OHCH₂CH₂OH
Molecular Weight: 76,1
CAS: 504-63-2
EEC-N: 207-997-3

1,3-Propanediol > RE - Pure

RE

Appearance Clear and viscous liquid Refractive index at 20°C 1.438 - 1.442 Colour ≤ 15 Hazen
Identification (IR) Conform Water content (K.F.) ≤ 1000 mg/Kg Assay (GC) ≥ 99.7 %

Code	Size	Packaging	Notes
P8040216	1 l	Glass bottle	
P8040222	5 l	Plastic tank	
P8040268	190 l	Metal drum	

1,2,3-Propanetriol ▶ Glycerol (30°Bé)



1-Propanesulfonic acid sodium salt

• Acido 1-propansolfonico sale sodico • Acide 1-propanesulfonique sel sodique • Acido 1-propanosulfónico sal sódica • 1-Propansulfonsäure-Natriumsalz

CH₃CH₂CH₂SO₃Na
Molecular Weight: 146,14
CAS: 14533-63-2

1-Propanesulfonic acid sodium salt > RS - For ion pair chromatography

RS

Description White crystalline powder Absorbance At 220 nm ≤ 0.02 AU At 260 nm ≤ 0.01 AU
Water (K.F.) ≤ 2.0 % At 200 nm ≤ 0.05 AU At 230 nm ≤ 0.02 AU
Assay ≥ 98.0 % At 210 nm ≤ 0.03 AU At 250 nm ≤ 0.01 AU

Code	Size	Packaging	Notes
405901	25 g	Glass bottle	
405902	100 g	Plastic bottle	

Propanoic acid ▶ Propionic acid

2-Propanone ▶ Acetone

Propionaldehyde
 • Aldeide propionica • Aldéhyde propionique • Aldehído propiónico • Propionaldehyd
 Synonym: Propanal

CH₃CH₂CHO
 Molecular Weight: 58,08
 CAS: 123-38-6
 EEC-N: 204-623-0

Classification transport
 ONU: 1275
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H302-H315-H319-H335
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

Propionaldehyde > RE - Pure

RE

Description Clear colourless liquid Identification Positive Refractive index at 20°C. 1.3610 ÷ 1.3660 Assay (GLC) ≥ 96.0 %

Code	Size	Packaging	Notes
310504	100 ml	Glass bottle	

Propionic acid
 • Acido propionico • Acide propionique • Acido propiónico • Propionsäure
 Synonym: Propanoic acid, Propanyl acid

CH₃CH₂COOH
 Molecular Weight: 74,08
 CAS: 79-09-4
 EEC-N: 201-176-3

Classification transport
 ONU: 3463
 Transport Hazard class: 8
 Packing group II



Danger
 H226-H314
 P210-P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Propionic acid > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 0.992 ÷ 0.994 Chloride ≤5 ppm Fe ≤2 ppm
 Identification Positive Refractive index at 20°C. 1.3864 ÷ 1.3884 Heavy metals (Pb) ≤5 ppm Assay (acidimetric) ≥99.5 %
 Water miscibility Conform Boiling point 140 ÷ 142 ° C Residue on evaporation ≤50 ppm
 Alcohol miscibility Conform Water (K.F.) ≤0.25 % Sulphate ≤10 ppm

Code	Size	Packaging	Notes
409551	250 ml	Glass bottle	
409553	1 l	Glass bottle	

Propionic acid > ERBAPharm - According to pharmacopoeia: USP-NF

ERBAPharm

Description Clear colourless liquid Distillation range 138.5 - 142.5 °C Readily oxidizable substances Conform Origin (BSE/TSE) Synthesis
 Identification (I.R.) Positive Nonvolatil residue ≤ 0.01 % Aldehyde Conform Residual solvents (Current ICH) Conform
 Density at 25°C 0.988 - 0.993 Heavy metals (Pb) ≤ 0.001 % Assay (acidimetric) 99.5 - 100.5 %

Code	Size	Packaging	Notes
529050	20 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Propionic acid > RE - Pure

RE

Description Yellow clear liquid Density at 20° C 0.988 ÷ 0.998 Residue on evaporation ≤ 100 ppm
 Identification Positive Refractive index at 20°C 1.3854 ÷ 1.3894 Assay (acidimetric) ≥98 %

Code	Size	Packaging	Notes
306254	1 l	Glass bottle	

n-Propyl acetate
 • n-Propile acetato • n-Propyle acétate • n-Propil acetato • n-Propylacetat

CH₃COO(CH₂)₂CH₃
 Molecular Weight: 102,13
 CAS: 109-60-4
 EEC-N: 203-686-1

Classification transport
 ONU: 1276
 Transport Hazard class: 3
 Packing group II



Danger
 H225-H319-H336-HEU066
 P210-P280-P303+P361+P353-P304+P340-
 P305+P351+P338-P403+P233

n-Propyl acetate > RPE - For analysis

RPE

Description Clear liquid Colour ≤ 15 Apha Water (K.F.) ≤ 1000 ppm
 Identification Positive Refractive index at 20°C 1.3812 ÷ 1.3882 Assay (GLC) ≥ 98.5 %

Code	Size	Packaging	Notes
474807	1 l	Glass bottle	

n-Propyl alcohol ▶ Propan-1-ol



Propyl p-hydroxybenzoate

• Propile p-ossibenzoate • Propyle p-oxybenzoate • Propil p-hidroxiobenzoato • Propyl-p-oxybenzoat

Synonym:
Propylparaben

$\text{HOC}_6\text{H}_4\text{COO}(\text{CH}_2)_2\text{CH}_3$
Molecular Weight: 180,21
CAS: 94-13-3
EEC-N: 202-307-7



Warning
H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Propyl p-hydroxybenzoate > ERBApharm - According to pharmacopoeia: DAB-BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBApharm

Description White crystalline powder Acidity Conform Ph.Eur. Melting point $96 \div 99 \text{ }^\circ\text{C}$ Origin (BSE/TSE) Synthesis
Identification Positive Related compounds Conform Ph.Eur. Sulphated ash $\leq 0.1 \%$
Appearance of solution Conform Ph.Eur. Organic volatile impurities Conform USP-NF Assay (saponification) $98.0 \div 102.0 \%$

Code	Size	Packaging	Notes
363953	50 g	Glass bottle	
363956	500 g	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Propylene carbonate

• Propilene carbonato • Propylène carbonate • Propileno carbonato • Propylencarbonat

Synonym:
1,2-Propanediol cyclic carbonate

$\text{OCH}(\text{CH}_3)\text{CH}_2\text{OCO}$
Molecular Weight: 102,09
CAS: 108-32-7
EEC-N: 203-572-1



Warning
H319
P264-P280i-P305+P351+P338-P337+P313

Propylene carbonate > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20°C $1.200 \div 1.206$ Boiling point $241.0 \div 242.5 \text{ }^\circ\text{C}$ Assay (acidimetric) $\geq 99 \%$
Identification Positive Refractive index at 20°C . $1.4199 \div 1.4219$ Residue on ignition $\leq 100 \text{ ppm}$

Code	Size	Packaging	Notes
474871	1 l	Glass bottle	



Propylene glycol

• Glicol propilenico • Propylène glycol • Propilenglicol • Propylenglycol

Synonym:
1,2-Propanediol

$\text{CH}_2\text{OHCHOHCH}_3$
Molecular Weight: 76,09
CAS: 57-55-6
EEC-N: 200-338-0

Propylene glycol > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20°C $1.034 \div 1.038$ Alkalinity (NH₄OH) $\leq 0.85 \text{ ppm}$ Residue on ignition $\leq 70 \text{ ppm}$
Identification Positive Refractive index at 20°C . $1.4309 \div 1.4339$ Chloride $\leq 20 \text{ ppm}$ Sulphate $\leq 20 \text{ ppm}$
Water miscibility Conform Boiling point $188.0 \div 190.0 \text{ }^\circ\text{C}$ Carbonyl Compounds (CO) $\leq 100 \text{ ppm}$ As $\leq 2 \text{ ppm}$
Miscb. with Acetone Complete Water (K.F.) $\leq 0.1 \%$ Heavy metals (Pb) $\leq 2 \text{ ppm}$ Fe $\leq 2 \text{ ppm}$
Alcohol miscibility Complete Acidity (acetic acid) $\leq 20 \text{ ppm}$ Peroxides (H₂O₂) $\leq 5 \text{ ppm}$ Assay (GLC) $\geq 99.5 \%$

Code	Size	Packaging	Notes
454054	1 l	Glass bottle	
454053	2.5 l	Glass bottle	
454052	30 kg	Plastic drum	

Propylene glycol > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP

ERBApharm

Description	Clear colourless liquid	Ethylene glycol	≤ 0.10 %	Density at 20° C	1.035 - 1.040 Ph.Eur.	Sulphated ash	≤70 ppm
Identification	Positive Ph. Eur.	Identification C. Same RT to standard by GC	USP	Density at 25°C	1.035 - 1.037 USP	Chloride	≤70 ppm
Identification A (IR)	Conform USP	USP		Boiling point	184 ÷ 189 °C	Heavy metals (Pb)	≤ 5 ppm (m/V)
Identification B:		Acidity	Conform Ph.Eur.	Refractive index at 20°C	1.431 ÷ 1.433	Sulphate	≤60 ppm
Diethylene glycol	≤ 0.10 %	Reducing substances	Conform Ph.Eur.	Water (K.F.)	≤0.2 %	Assay (GLC)	≥99.5 %
		Oxidizing substances	Conform Ph.Eur.				

Code	Size	Packaging	Notes
346701	1 l	Glass bottle	
346703	2.5 l	Glass bottle	
346705	60 kg	Plastic tank	
346708	200 kg	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Pumice stone

• Pomice • Pierre ponce • Piedra pómez • Bimsstein

CAS: 1332-09-8

Pumice stone > RPE - For analysis

RPE

Description

Code	Size	Packaging	Notes
469971	250 g	Plastic bottle	



Pyridine

• Piridina • Pyridine • Piridina • Pyridin

N:CHCH:CHCH:CH
CAS: 110-86-1
EEC-N: 203-809-9

Classification transport
ONU: 1282
Transport Hazard class: 3
Packing group II



Danger
H225-H302-H312-H332
P210-P241-P261-P280-P303+P361+P353-
P304+P340

Pyridine > RS - Anhydrous - For analysis

RS

Water content (K.F.)

Code	Size	Packaging	Notes
P0671010	200 ml	Bottle with septum	
P0671016	1 l	Glass bottle	
P0671046	1 l	Glass bottle PVC coated	
P0671021	2.5 l	Glass bottle	
P0671068	200 l	Metal drum	

Pyridine > RS - For peptide synthesis

RS

Water content (K.F.)

Code	Size	Packaging	Notes
P0673516	1 l	Glass bottle	
P0673521	2.5 l	Glass bottle	

Pyridine > RS - For potentiometry

RS

Water content (K.F.)

Code	Size	Packaging	Notes
P06725P16	1 l	Glass bottle	

Pyridine > RS - For titration according to Karl Fischer

RS

Description Clear colourless liquid Density at 20° C 0.979 ÷ 0.985 Boiling point 114.2 ÷ 116.2 ° C Assay (GLC) ≥99.6 %
 Identification Positive Refractive index at 20°C. 1.5050 ÷ 1.5140 Water (K.F.) ≤500 ppm

Code	Size	Packaging	Notes
469651	250 ml	Glass bottle	
469652	1 l	Glass bottle	

Pyridine > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Clear colourless liquid Boiling point 114.2 - 116.2 ° C Residue on evaporation ≤20 ppm Sulphate ≤10 ppm
 Identification Positive Subst. reducing KMnO4 Conform Ammonia ≤20 ppm Cu ≤5 ppm
 Water solubility Conform Water (K.F.) ≤0.1 % Chloride ≤10 ppm Assay (GLC) ≥99.0 %

Code	Size	Packaging	Notes
469622	500 ml	Glass bottle	
469629	1 l	Glass bottle	
469624	2.5 l	Glass bottle	
469626	20 kg	Plastic drum	
469621	25 kg	Metal drum	
469623	200 l	Metal drum	

Pyridine > RE - Pure

RE

Description Clear colourless liquid or yellowish Density at 20° C 0.979 ÷ 0.985 Water (K.F.) ≤0.1 %
 Colour ≤ 20 APHA Refractive index at 20°C 1.5055 ÷ 1.5135 Residue on evaporation ≤50 ppm
 Identification Positive Boiling point 113.7 ÷ 116.7 ° C Assay (GLC) ≥99.8 %

Code	Size	Packaging	Notes
358752	1 l	Glass bottle	
358754	25 kg	Metal drum	
528257	200 l	Metal drum	



Pyridine-d5

• Piridina-d5 • Pyridine-d5 • Piridina-d5 • Pyridin-d5

Synonym:

Pentadeuteropyridine

C₅D₅N
 Molecular Weight: 84,14
 CAS: 7291-22-7
 EEC-N: 230-720-2

Classification transport
 ONU: 1282
 Transport Hazard class: 3
 Packing group II


Danger

H225-H302-H312-H332
 P210-P241-P261-P280-P303+P361+P353-
 P304+P340

Pyridine-d5 > RS - For NMR - min 99.95%

RS

Code	Size	Packaging	Notes
P5370	2 x 0.6 ml	Glass ampoule	


For specifications, contact our customer service for a certificate of analysis

Pyridine-d5 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5369A	2 x 0.75 ml	Glass ampoule	
P5364A	10 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis

	1-(2-Pyridylazo)-2-naphthol	Synonym: PAN
	<ul style="list-style-type: none"> • 1-(2-Piridile-azo)-2-naftolo • 1-(2-Pyridyl-azo)-2-naphthol • 1-(2-Piridilazo)-2-naftol • 1-(2-pyridyl-azo)-2-naphthol 	
<p>N:CHCH:CHCH:CN:NC₁₀H₆OH Molecular Weight: 249,27 CAS: 85-85-8 EEC-N: 201-637-9</p>		


1-(2-Pyridylazo)-2-naphthol > RPE - For analysis

RPE

Description Orange red powder Identification Positive Assay ≥ 97.5 %

Code	Size	Packaging	Notes
469592	5 g	Glass bottle	

Complexometric indicator. For extraction and spectrophotometric determination of the transition metals


	Pyrocatechol	Synonym: • 1,2-Benzenediol • Catechol
	<ul style="list-style-type: none"> • Pirocatecolo • Pyrocatechol • Pirocatequina • Brenzkatechin 	
<p>1,2-(OH)₂C₆H₄ Molecular Weight: 110,11 CAS: 120-80-9 EEC-N: 204-427-5</p>		
<p>Classification transport ONU: 2811 Transport Hazard class: 6.1 Packing group III</p>		<p>Warning H302-H312-H315-H319 P264-P280-P305+P351+P338-P332+P313- P362+P364-P337+P313</p>

Pyrocatechol > RPE - For analysis

RPE

Description Grey-brown flakes Identification Positive Melting point 103 ÷ 105 ° C Assay (GLC) ≥ 99.0 %

Code	Size	Packaging	Notes
469753	50 g	Glass bottle	

	Pyrocatechol violet	Synonym: <i>Pyrocatecholsulfonphthalein</i>
	<ul style="list-style-type: none"> • Violetto pirocatechina • Violet de pyrocatechol • Violeta de pirocatequina • Brenzkatechinviolett 	
<p>C₁₉H₁₄O₇S Molecular Weight: 386,39 CAS: 115-41-3 EEC-N: 204-088-3</p>		

Pyrocatechol violet > RPE - For analysis

RPE

Description Brown crystalline powder Identification Positive Sensitivity as indicat. Conform

Code	Size	Packaging	Notes
491871	1 g	Glass bottle	
491872	25 g	Glass bottle	

Complexometric indicator

	Pyrogallol	Synonym: <i>1,2,3-Trihydroxybenzene</i>
	<ul style="list-style-type: none"> • Pirogallolo • Acide pyrogallique • Pirogalol • Pyrogallol 	
<p>1,2,3-(OH)₃C₆H₃ Molecular Weight: 126,11 CAS: 87-66-1 EEC-N: 201-762-9</p>		
<p>Warning H302-H312-H332-H341-H412 P261-P271-P280-P304+P340-P308+P313-P330</p>		

Pyrogallol > RPE - For analysis - ACS - Reag. Ph.Eur.

RPE

Description White crystalline powder Melting point 131 ÷ 135 ° C Fe ≤10 ppm Sulphate ≤50 ppm
Identification (I.R.) Positive Sulphated ash ≤ 0.005 % Heavy metals (Pb) ≤5 ppm Chloride ≤10 ppm

Code	Size	Packaging	Notes
409435	250 g	Plastic bottle	



Pyrrolidine dithiocarbamic acid ammonium salt

- Acido pirrolidinditiocarbammico sale ammonico
- Acide pyrrolidinedithiocarboxylique-1, sel ammoniacal
- Acido pirrolidinditiocarbámico sal de amonio
- Pyrrolidindithiocarbaminsäure-Ammoniumsalz

Synonym:
Ammonium pyrrolidinedithiocarbamate

$\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NCSSNH}_4$
Molecular Weight: 164,29
CAS: 5108-96-3
EEC-N: 225-834-4

Pyrrolidine dithiocarbamic acid ammonium salt > RPE - For analysis - Reag. Ph. Eur.

RPE

Description White yellowish powder Identification Positive Assay $\geq 99\%$ (NH₃)

Code	Size	Packaging	Notes
409471	10 g	Glass bottle	

a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
t
u
v
w
x
y
z



Quinaldine red

• Rosso chinaldina • Rouge de quinaldine • Rojo de quinaldina • Chinaldinrot

Synonym:

2-(4-Dimethylaminostyryl)-1-ethylquinolinium iodide

$C_{21}H_{23}IN_2$
Molecular Weight: 430,33
CAS: 117-92-0
EEC-N: 204-221-5

Quinaldine red > RPE - For analysis

RPE

Description Dark green powder Non acq.media ind.sens. Conform Colour change.....Incolore - rosso
Identification Positive Loss on drying ≤5 %

Code	Size	Packaging	Notes
476687	1 g	Glass bottle	
476688	25 g	Glass bottle	

Acid-base indicator (pH 1.4 ÷ 3.2)



Quinidine sulfate

• Chinidina solfato • Quinidine sulfate • Quinidina sulfato • Chinidinsulfat

$(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2H_2O$
Molecular Weight: 782,96
CAS: 6591-63-5
EEC-N: 200-046-3



Warning

H302

P264-P270-P301+P312a-P330-P501a

Quinidine sulfate > RPE - For analysis

RPE

Description White crystalline powder pH sol. 1% at 25° C 6.0 ÷ 6.8 Chloride..... ≤50 ppm Residue on ignition..... ≤500 ppm
Identification Positive Specific optical rotation +275.5 ÷ +280.5 ° Alcohol/Chlorof.isolub. ≤500 ppm Fe ≤10 ppm
Ready carbonizable substances..... Conform Loss on drying 4.2 ÷ 5.0 % Heavy metals (Pb)..... ≤10 ppm Assay (non-aqueous medium) ≥95 %

Code	Size	Packaging	Notes
436701	10 g	Glass bottle	



Quinoline

• Chinolina • Quinoléine • Quinoleína • Chinolin

Synonym:

1-Benzazine

C_9H_7N
Molecular Weight: 129,16
CAS: 91-22-5
EEC-N: 202-051-6

Classification transport

ONU: 2656

Transport Hazard class: 6.1

Packing group III



Danger

H302-H312-H315-H319-H341-H350-H411-HA26

P280-P305+P351+P338-P308+P313-P330-

P332+P313-P337+P313

Quinoline > RE - Pure

RE

Description Yellow-brown clear liquid Density at 20° C 1,088 ÷ 1,100 Boiling point..... 235.6 ÷ 238.6 °C Assay (GLC) ≥95 %
Identification Positive Refractive index at 20°C: 1.6218 ÷ 1.6318 Residue on ignition..... ≤0.1 %

Code	Size	Packaging	Notes
333701	100 ml	Glass bottle	
333707	1 l	Glass bottle	

Quinone ► p-Benzoquinone



Raffinose

• Raffinosio • Raffinose • Rafinosa • Raffinose

$C_{18}H_{32}O_{16} \cdot 5H_2O$
 Molecular Weight: 594,51
 CAS: 17629-30-0
 EEC-N: 208-146-9

Raffinose > RPE - For analysis

RPE

Description White crystalline powder Specific optical rotation..... +103 - +107 ° Total nitrogen..... ≤100 ppm Sulphate..... ≤50 ppm
 Identification Positive Water (K.F.)..... 13 - 17 % Chloride..... ≤50 ppm As..... ≤2 ppm
 Melting point..... 78 - 80 °C Residue on ignition..... ≤ 0.1 % Heavy metals (Pb)..... ≤10 ppm Fe..... ≤10 ppm

Code	Size	Packaging	Notes
475132	25 g	Glass bottle	



Raney's alloy

• Lega Raney • Alliage de Raney • Aleación según Raney • Raney-Legierung

CAS: 12003-78-0

Classification transport

ONU: 3089
 Transport Hazard class: 4.1
 Packing group III



Danger

H228-H260-H317-H351-H372
 P210-P223-P231a+P232-P241-P280-P308+P313

Raney's alloy > RPE - For analysis

RPE

Description Greyish metallic powder Identification Positive Al..... ~50 % Ni..... ~50 %

Code	Size	Packaging	Notes
457675	250 g	Plastic bottle	



Reagent for lipolysis

• Reattivo unico per lipolisi • Réactif unique pour lipolyse • Reactivo unico para lipolisi • Reagenz für die Lipolyse

Classification transport

ONU: 1760
 Transport Hazard class: 8
 Packing group III



Warning

H290
 P234-P390-P406

Reagent for lipolysis > RPE - For analysis

RPE

Density at 20°C 1.151 ÷ 1.161 pH at 20°C 7.9 ÷ 8.3

Code	Size	Packaging	Notes
524910	2.5 l	Glass bottle	

Composition: Reagent for copper: 90.9% HCl 0,7N: 4.55% EDTA(8% w/v): 4.55%



Reagent TAN

• Reattivo TAN • Réactif TAN • Reactivo TAN • TAN-Reagenz

Classification transport

ONU: 1993
 Transport Hazard class: 3
 Packing group II



Danger

H225-H315-H319-H361d-H336-H373
 P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Reagent TAN > RS - For analysis

RS

Water content (K.F.) 4500 - 5500 mg/Kg Free acid (as CH3COOH)..... ≤ 5 mg/Kg Refractive index at 20°C..... 1.433 - 1.437

Code	Size	Packaging	Notes
PS0327/21	2.5 l	Glass bottle	
PS0327/29	5 l	Plastic tank	
PS0327/39	10 l	Plastic tank	

Composition: 495 ml propanol-2, 500ml Toluene, 5 ml water

Reagent TBN ASTM D2896

• Reattivo TBN ASTM D2896 • Réactif TBN ASTM D2896 • Reactivo TBN ASTM D2896 • TBN-Reagenz D2896

Classification transport ONU: 2924 Transport Hazard class: 3 Packing group III		Danger H226-H314-H411 P210-P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Reagent TBN ASTM D2896 > RS - For analysis

RS

Refractive index at 20°C..... 1.464 - 1.469

Code	Size	Packaging	Notes
PS0423/21	2.5 l	Glass bottle	
PS0423/29	5 l	Plastic tank	
PS0423/39	10 l	Plastic tank	

Composition: 333 ml acetic acid, 667 ml chlorobenzene

Reagent TBN ASTM D4739

• Reattivo TBN ASTM D4739 • Réactif TBN ASTM D4739 • Reactivo TBN ASTM D4739 • TBN-Reagenz D4739

Classification transport ONU: 1992 Transport Hazard class: 3 Packing group II		Danger H225-H302-H315-H319-H351-H361d-H336-H372- HEU301 P210-P280-P303+P361+P353-P304+P340- P305+P351+P338-P403+P233
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Reagent TBN ASTM D4739 > RS - For analysis

RS

Aspect..... Conform Density at 20°C 1.036 ÷ 1.044 Water (K.F.) ~ 1 % (m/m)

Code	Size	Packaging	Notes
526615	5 l	Plastic tank	

Composition: Bidistilled water: 0.05 L, Isopropyl alcohol: 1.650 L, Toluene: 1.650 L, Chloroform: 1.650 L

Red for oils O

• Rosso per olio O • Rouge pour l'huile O • Rojo para aceites O • Oelrot o

Synonym:
• Oil Red O
• 1-[2,5-Dimethyl-4-(2,5-dimethylphenylazo)phenylazo]-2-naphthol

C₂₆H₂₄N₄O
 Molecular Weight: 408,5
 CAS: 1320-06-5
 EEC-N: 215-295-3

Red for oils O > RPE - For analysis - C.I. 26125

RPE

Description Red brick powder Identification Positive

Code	Size	Packaging	Notes
476961	25 g	Glass bottle	

Dye for lipoprotein in acetate cellulose capsule

Redox solution 220 mV at 25°C

• Soluzione Redox 220 mV a 25°C • Solution réductrice 220 mV à 25°C • Solución Redox 220 mV a 20°C • Reduktionslösung 220 mV bei 25 ° C

Redox solution 220 mV at 25°C > RS - For electrochemistry

RS

Description Yellow clear liquid Identification Positive pH at 25°C 6.95 ÷ 7.05 Redox potential at 25°C..... 215 ÷ 225 mV

Code	Size	Packaging	Notes
478032	500 ml	Glass bottle	

**Redox solution 468 mV at 25°C**

• Soluzione Redox 468 mV a 25°C • Solution réductrice 468 mV à 25°C • Solución Redox 468 mV a 25°C • Reduktionslösung 468 mV bei 25 °C

Classification transportONU: 3264
Transport Hazard class: LQ**Warning**H290-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Redox solution 468 mV at 25°C > RS - For electrochemistry****RS**

DescriptionLiquido limpido verde-marrone chiaro Identification Positive Redox potential at 25°C..... 458 ÷ 478 mV

Code	Size	Packaging	Notes
478052	500 ml	Plastic bottle	

**Refractive Index standards**

• Indice di rifrazione standard • Etalons d'indice de réfraction • Patrones de índice de refracción • Brechungsindex-Standards

Refractive Index standards > RS - For calibration**RS**

Code	Size	Packaging	Notes
540101	15 ml	Bottle	1.34325 at 20°C
540102	15 ml	Bottle	1.34782 at 20°C
540103	15 ml	Bottle	1.35171 at 20°C
540104	15 ml	Bottle	1.37233 at 20°C
540105	15 ml	Bottle	1.38115 at 20°C
540106	15 ml	Bottle	1.40978 at 20°C
540107	15 ml	Bottle	1.42009 at 20°C
540108	15 ml	Bottle	1.44193 at 20°C

Store between 2 - 8 °C

**Reinecke salt**

• Sale di Reinecke • Sel de Reinecke • Sal de Reinecke • Reinecke salt

Synonym:

Ammonium tetrarhodanodiamminechromate(III)

NH₄[Cr(NH₃)₂(SCN)₄].H₂O
Molecular Weight: 354,44
CAS: 13573-16-5
EEC-N: 237-003-3**Warning**H302-H312-H332-HEU032
P261-P264-P271-P280h-P301+P312a-P304+P340**Reinecke salt > RPE - For analysis - ACS****RPE**Description Dark red crystalline powder Diluted HCl-ins. matter ≤500 ppm Assay (gravimetric) ≥93.0 %
Identification Positive Sens.(Choline chloride) ≥0.5 mg/ml

Code	Size	Packaging	Notes
420672	25 g	Glass bottle	

**Resorcinol**


• Resorcina • Résorcine • Resorcina • Resorcin

Synonym:

1,3-Benzenediol

1,3-(OH)₂C₆H₄
Molecular Weight: 110,11
CAS: 108-46-3
EEC-N: 203-585-2**Classification transport**ONU: 2876
Transport Hazard class: 6.1
Packing group III**Warning**H302-H315-H319-H400
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Resorcinol > RPE - For analysis****RPE**Description White flakes Melting point 109 ÷ 111 °C Assay (GLC) ≥ 97.5 %
Identification Positive Residue on ignition ≤ 0.1 %

Code	Size	Packaging	Notes
476565	250 g	Plastic bottle	

	L(+)-Rhamnose • L(+)-Ramosio • L(+)-Rhamnose • L(+)-Ramnosa • L(-)-Rhamnose	Synonym: 6-Deoxy-L-mannose
	$C_6H_{12}O_5 \cdot H_2O$ Molecular Weight: 182,17 CAS: 10030-85-0 EEC-N: 222-793-4	

L(+)-Rhamnose > RPE - For analysis

RPE

Appearance White to pale cream crystalline powder Identification (FTIR) Conforms Melting point 87 - 94 °C
 Assay (HPLC) ≥ 98.5 % Water (K.F.) 9 - 11 % Optical Rotation (C=10 in water, 20h) +7 - +9 °

Code	Size	Packaging	Notes
476312	25 g	Glass bottle	

	Rhenium standard solution • Renio standard soluzione • Rhénium solution standard • Renio, solución patrón • Rhenium-Standardlösung
	Classification transport ONU: 3264

Rhenium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505802	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505805	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid


Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Rhenium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507754	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507513	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

	Rhodium standard solution • Rodio standard soluzione • Rhodium solution standard • Rodio, solución patrón • Rhodium-Standardlösung
	Classification transport ONU: 1760 Transport Hazard class: 8 Packing group III	Warning H290 P234-P390-P406

Rhodium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505807	100 ml	Plastic bottle	conc. 10 ppm Matrix: Hydrochloric acid
505808	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrochloric acid
505809	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Rhodium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503861	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503863	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503865	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Rhodol solution**

• Rhodol soluzione • Solution Rhodol • Rhodol solución • Rhodol-Lösung

H412-HEU208
P273-P501a

Rhodol solution > RS - For analysis

RS

Refractive index at 20°C 1.342 - 1.346

Code	Size	Packaging	Notes
PS0158/15	1 l	Plastic bottle	
PS0158/29	5 l	Plastic tank	

**Riboflavine**

• Riboflavina • Riboflavine • Riboflavina • Riboflavin

Synonym:
Vitamin B2

$C_{17}H_{20}O_6N_4$
Molecular Weight: 376,37
CAS: 83-88-5
EEC-N: 201-507-1

Riboflavine > RE - Pure

RE

Description Yellow-orange powder s.s. Lumiflavine (spectr.) ≤ 0.025 A
 Identification Positive Loss on drying ≤ 1.5 % Titolo (fluorimetrico) 98.0 ÷ 102.0 % s.s.
 Absorbance Conform Sulphated ash ≤ 0.1 %
 Pot. rot. spec. a20°C (c=0.5;NaOH 0.05N) -115 ÷ -135 ° Lumiflavine (TLC) ≤ 0.025 %

Code	Size	Packaging	Notes
389511	10 g	Glass bottle	

**D(-)Ribose**

• D(-)Ribosio • D(-)Ribose • D(-)Ribosa • D(-)-Ribose

$C_5H_{10}O_5$
Molecular Weight: 150,13
CAS: 50-69-1
EEC-N: 200-059-4

D(-)Ribose > RPE - For analysis

RPE

Description Yellowish powder Loss on drying ≤ 1 % ÷ -20.8 ° Heavy metals (Pb) ≤ 10 ppm
 Identification Positive Potere rotat. spec. a 20°C (C=4; H2O)-19.2 Separazione (TLC) ≥ 99.50 % Residue on ignition ≤ 0.1 %

Code	Size	Packaging	Notes
476608	5 g	Glass bottle	



Rice starch

• Amido di riso • Amidon de riz • Almidón de arroz • Reisstärke

(C₆H₁₀O₅)_n
CAS: 9005-25-8
EEC-N: 232-679-6

Rice starch > ERBApharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White powder	Loss on drying	≤ 15.0 %	Zolfo biossido.....	≤ 50 ppm	TYMC	≤ 100 CFU/g
Identification	Positive	Sulphated ash	≤ 0.6 %	Oxidizing substances	≤ 0.002 %	Escherichia coli	Absent Ph.Eur.
Microscopic test.....	Conform Ph.Eur.	pH (sosp. 20%)	5.0 ÷ 8.0	Microbial tests		Salmonella.....	Absent Ph. Eur.
Foreign cellular elem.	Conform Ph.Eur.	Fe	≤ 10 ppm	TAMC	≤ 1000 CFU/g		

Code	Size	Packaging	Notes
313107	1 kg	Plastic bottle	
313108	2.5 kg	Plastic bottle	
313109	5 kg	Plastic tank	
313102	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Rosolic acid

• Acido p-rosolico • Acide p-rosolique • Acido p-rosólico • Rosolsäure

Synonym:

- 4-[Bis(4-hydroxyphenyl)methylene]-2,5-cyclohexadienone
- Aurin

C₁₉H₁₄O₃
Molecular Weight: 290,32
CAS: 603-45-2
EEC-N: 210-041-8



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Rosolic acid > RPE - For analysis - C.I. 43800

RPE

Description	Red - brown crystalline powder	Loss on drying	≤ 10 %	pH range	6.2 ÷ 8.2
Identification	Positive	Colour change.....	yellow red		

Code	Size	Packaging	Notes
409702	25 g	Glass bottle	

Dye for microscopy (bacteriology). Indicator acid - base



Rubidium standard solution

• Rubidio standard soluzione • Rubidium solution standard • Rubidio, solución patrón • Rubidium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Rubidium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505792	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505795	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Rubidium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503841	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503843	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503845	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503847	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Rubidium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507755	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507514	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Ruthenium standard solution

• Rutenio standard soluzione • Ruthénium solution standard • Rutenio, solución patrón • Ruthenium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Ruthenium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505812	100 ml	Plastic bottle	conc. 10 ppm Matrix: Hydrochloric acid
505815	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Ruthenium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503871	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503873	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503875	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503877	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Saccharose ▶ D(+)-Sucrose



Safranine T

• Safranina T • Safranine T • Safranina T • Safranin T

Synonym:
Basic Red 2

$C_{20}H_{19}ClN_4$
Molecular Weight: 350,85
CAS: 477-73-6
EEC-N: 207-518-8



Warning

H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Safranine T > RS - For microscopy - C.I. 50420

RS

Description Red brown powder Identification Positive

Code	Size	Packaging	Notes
477232	25 g	Glass bottle	

Dye for bacteriology, cytology



Safranine T hydroalcoholic solution for Gram-Hucker Kit

• Safranina T soluzione idroalcolica per kit Gram-Hucker
• Safranine T solution hydroalcoolique pour kit de Gram-Hucker
• Safranina T solución hidroalcohólica para kit Gram-Hucker
• Safranin T hydroalkoholische Lösung für Gram-Hucker Kit

Synonym:
Basic Red 2

$C_{20}H_{19}ClN_4$
Molecular Weight: 350,85
CAS: 477-73-6

HEU210

Safranine T hydroalcoholic solution for Gram-Hucker Kit > RS - For bacteriology

RS

Description Red clear liquid Identification Positive

Code	Size	Packaging	Notes
477241	250 ml	Glass bottle	In Vitro Diagnostic Medical Device



Salicylaldehyde azine

• Salicilaldeide azina • Salicylaldéhyde-azine • Salicilaldehido azina • Salicylaldehyd Azin

Salicylaldehyde azine > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611075500	100 ml	Glass bottle	Ref Ph.Eur 1075500



Salicylic acid

• Acido salicílico • Acide salicylique • Acido salicílico • Salicylsäure

Synonym:
2-Hydroxybenzoic acid

$2-HOC_6H_4COOH$
Molecular Weight: 138,12
CAS: 69-72-7
EEC-N: 200-712-3



Danger

H302-H315-H318-H335
P304+P340-P310a-P305+P351+P338-P330-
P362+P364-P403+P233

Salicylic acid > RPE - For analysis - ACS

RPE

Description White crystalline powder Melting point 158.0 ÷ 161.0 °C Residue on ignition ≤100 ppm Assay (HPLC) ≥99.0 %
Identification Positive Chloride ≤10 ppm Sulphate ≤30 ppm
Ready carbonizable substances Conform Heavy metals (Pb) ≤5 ppm Fe ≤2 ppm

Code	Size	Packaging	Notes
409773	100 g	Plastic bottle	
409777	1 kg	Plastic bottle	

Salicylic acid > ERBApharm - According to pharmacopeia: FU**ERBApharm**

Description	White crystalline powder	Melting point.....	158.0 ÷ 161.0 °C	Sulphate.....	≤200 ppm	Residual solvents (Current ICH).....	Conform
Identification	Positive	Loss on drying	≤0.5 %	Heavy metals (Pb).....	≤20 ppm		
Appearance of solution	Conform F.U.	Sulphated ash.....	≤0.1 %	Assay (acidimetric)	99.0 ÷ 100.5 % s.s.		
Related substances (HPLC)	Conform	Chloride.....	≤100 ppm	Origin (BSE/TSE).....	Synthesis		

Code	Size	Packaging	Notes
306381	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Salicylic acid > ERBApharm - According to pharmacopeia: Ph.Eur.-USP-FU****ERBApharm**

Description	White crystalline powder	Melting point.....	158.0 ÷ 161.0 °C	Sulphate.....	≤200 ppm	Residual solvents (Current ICH).....	Conform
Identification	Positive	Loss on drying	≤0.5 %	Heavy metals (Pb).....	≤20 ppm		
Appearance of solution	Conform Ph.Eur.	Sulphated ash.....	≤500 ppm	Assay (acidimetric)	99.5 ÷ 100.5 % s.s.		
Related compounds.....	Conform PhEur	Chloride.....	≤100 ppm	Origin (BSE/TSE).....	Synthesis		

Code	Size	Packaging	Notes
306377	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Salmiac ▶ Ammonium chloride****Samarium standard solution**

• Samario standard soluzione • Samarium solution standard • Samario, solución patrón • Samarium-Standardlösung

Classification transport

ONU: 3264
 Transport Hazard class: 8
 Packing group III

**Samarium standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505852	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505855	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Samarium standard solution > RS - Standard solution for ICP****RS**

Code	Size	Packaging	Notes
503931	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503933	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503935	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503937	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Samarium standard solution > RS - Standard solution for AAS****RS**

Code	Size	Packaging	Notes
507756	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507515	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Sand of Fontainebleau

• Sabbia di Fontainebleau • Sable de Fontainebleau • Arena de Fontainebleau • Sand von Fontainebleau

Synonym:
Silica

SiO₂
Molecular Weight: 60,09
CAS: 14808-60-7
EEC-N: 238-878-4

Sand of Fontainebleau > RS - For agroalimentary analysis

RS

Density at 20°C 2 ÷ 3 Granulometry 180 ÷ 500 micrometer

Code	Size	Packaging	Notes
502064	1 kg	Plastic bottle	
502063	5 kg	Plastic bucket	
502062	25 kg	Plastic bucket	



Sand purified

• Sabbia purificata • Sable purifié • Arena purificada • Sand gereinigt

Synonym:
Silica

SiO₂
Molecular Weight: 60,09
CAS: 14808-60-7
EEC-N: 238-878-4

Sand purified > RS - For flash chromatography

RS

Description Hazel granules Identification Positive Particle size (40÷100) Conform mesh

Code	Size	Packaging	Notes
477153	1 kg	Plastic bottle	



Saponin

• Saponina • Saponine • Saponina • Saponin

CAS: 8047-15-2
EEC-N: 232-462-6



Warning

H335
P261-P271-P304+P340-P312a-P403+P233-P501a

Saponin > RE - Pure

RE

Description Yellow powder Identification Positive pH 1% at 25°C 5.0 - 6.5 Water ≤ 5 %

Code	Size	Packaging	Notes
365755	250 g	Plastic bottle	
365757	1 kg	Plastic bottle	
365758	5 kg	Plastic tank	



Saybolt Colour Standards

• Standard del colore Saybolt • Etalons couleurs Saybolt • Patrones de color Saybolt • Saybolt Farbstandards

Saybolt Colour Standards > RS - For calibration

RS

Code	Size	Packaging	Notes
540709	100 ml	Glass bottle	-15
540710	100 ml	Glass bottle	+0
540711	100 ml	Glass bottle	+12
540712	100 ml	Glass bottle	+15
540713	100 ml	Glass bottle	+19
540714	100 ml	Glass bottle	+25
540715	100 ml	Glass bottle	+30

**Scandium standard solution**

• Scandio standard soluzione • Scandium solution standard • Escandio, solución patrón • Scandium-Standardlösung

Classification transportONU: 3264
Transport Hazard class: 8
Packing group III**Scandium standard solution > RS - Standard solution for ICP-MS**

RS

Code	Size	Packaging	Notes
505837	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505838	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505839	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Scandium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503901	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503903	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503905	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503907	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Scandium standard solution > RS - Standard solution for AAS**

RS

Code	Size	Packaging	Notes
507757	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507516	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Schiff's reagent for Aldehydes**

• Schiff reattivo soluzione per Aldeidi • Réactif de Schiff pour Aldéhydes • Schiff reattivo solución para Aldehídos • Schiff-Reagens für Aldehyde

**Danger**H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Schiff's reagent for Aldehydes > RS - For analysis**

RS

Description Clear colourless or light yellow liquid Identification Positive

Code	Size	Packaging	Notes
477601	500 ml	Glass bottle	

**Schiff's reagent for PAS coloration**

• Schiff reattivo per colorazione PAS • Réactif de Schiff pour PAS coloration • Schiff reattivo solución para PAS coloración • Schiff-Reagenz für NICHT Färbung

**Warning**

H290-H319
P234-P264-P280i-P305+P351+P338-
P337+P313-P406

Schiff's reagent for PAS coloration > RS - For histology**RS**

Description Yellow clear liquid Identification Positive

Code	Size	Packaging	Notes
477591	500 ml	Glass bottle	In Vitro Diagnostic Medical Device
477592	6 x 500 ml	Glass bottle	In Vitro Diagnostic Medical Device

**Sebacic acid**

• Acido sebacoico • Acide sébacique • Acido sebácico • Sebacinssäure

Synonym:

Decanedioic acid

HOOC(CH₂)₈COOH
Molecular Weight: 202,25
CAS: 111-20-6
EEC-N: 203-845-5

Sebacic acid > RE - Pure**RE**

Description White granular powder Melting point 132.5 ÷ 136.5 °C Assay (GLC) ≥94 %
Identification Positive Residue on ignition ≤0.1 %

Code	Size	Packaging	Notes
409875	250 g	Plastic bottle	

**Selenic mixture**

• Miscela selenica • Mélange séléniqque • Mezcla selenica • Selenmischung

**Warning**

H319-H411
P264-P280i-P305+P351+P338-P337+P313-P391-
P501a

Selenic mixture > RS - For nitrogen detection according to Wieninger**RS**

Description Pads or dark gray powder Identification Positive

Code	Size	Packaging	Notes
463421	250 g	Plastic bottle	
463422	1 kg	Plastic bottle	

**Selenium, powder**

• Selenio, polvere • Sélénium, poudre • Selenio, polvo • Selen

Se
Molecular Weight: 78,96
CAS: 7782-49-2
EEC-N: 231-957-4

Classification transport

ONU: 3288
Transport Hazard class: 6.1
Packing group II

**Danger**

H301-H331-H373-H413
P271-P301+P310a-P304+P340-P311a-P330-
P403+P233

Selenium, powder > RPE - For analysis**RPE**

Description Blackish powder Cu ≤ 100 ppm Pb ≤ 500 ppm
Identification Positive Fe ≤ 100 ppm Te ≤ 500 ppm
As ≤ 100 ppm Hg ≤ 100 ppm Assay ≥ 99.50 % (Se)

Code	Size	Packaging	Notes
477702	25 g	Glass bottle	

**Selenium standard solution**

• Selenio standard soluzione • Sélénium solution standard • Selenio, solución patrón • Selen-Standardlösung

Classification transportONU: 3264
Transport Hazard class: 8
Packing group II**Danger**H290-H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233**Selenium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**

RS

Code	Size	Packaging	Notes
615002501	100 ml	Plastic bottle	A 1 ppm solution Ref Ph.Eur 5002501
615002500	1 l	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5002500

Selenium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505842	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505845	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505843	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Selenium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503911	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503913	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503915	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503917	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Selenium standard solution > RS - Standard solution for AAS**

RS

Description Clear pinky liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507758	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507491	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497625	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497621	500 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Selenium standard solution > RS - NORMEX - Concentrated solution for AAS**

RS

Description Clear pinkish liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
477691		Plastic ampoule	conc. 1.000 ppm Matrix: Water - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Selenium dioxide

• Selenio biossido • Sélénium dioxyde • Selenio dióxido • Selendioxid

SeO₂
Molecular Weight: 110,96
CAS: 7446-08-4
EEC-N: 231-194-7

Classification transport
ONU: 3283
Transport Hazard class: 6.1
Packing group II



Danger
H301-H331-H373-H410
P271-P301+P310a-P304+P340-P311a-P330-
P403+P233

Selenium dioxide > RPE - For analysis

RPE

Description White-pink crystals Chloride..... ≤ 500 ppm Pb ≤ 50 ppm
Identification Positive Fe ≤ 50 ppm Assay (oxidimetric) ≥ 98 %

Code	Size	Packaging	Notes
477762	25 g	Glass bottle	



Selenous acid

• Acido selenioso • Acide sélénieux • Acido selenioso • Selenige Säure

H₂SeO₃
Molecular Weight: 128,98
CAS: 7783-00-8
EEC-N: 231-974-7

Classification transport
ONU: 3283
Transport Hazard class: 6.1
Packing group II



Danger
H301-H331-H373-H410
P271-P301+P310a-P304+P340-P311a-P330-
P403+P233

Selenous acid > RPE - For analysis

RPE

Description Whitish powder Identification Positive Assay (iodometric) ≥ 97.5 %

Code	Size	Packaging	Notes
409964	100 g	Glass bottle	



Silica gel 60A 6 - 35μ

• Gel di silice 60A 6 - 35μ • Gel de silice 60A 6 - 35μ • Gel de silice 60A 6 - 35μ • Kieselgel 60A 6 - 35μ

SiO₂
Molecular Weight: 60,09
CAS: 7631-86-9

Silica gel 60A 6 - 35μ > RS - For chromatography

RS

Particle size 6 - 35 μm Particle size > 10.1 μm ≥ 90 % Particle size > 6.4 μm ≥ 98 %
Loss on drying ≤ 6 % Particle size > 40.3 μm ≤ 10 %

Code	Size	Packaging	Notes
P2010017	1 kg	Plastic bottle	
P2010027	5 kg	Plastic bucket	
P2010044	25 kg	Plastic drum	

400-2500 mesh. Stir before use



Silica gel 60A 20 - 45μ

• Gel di silice 60A 20 - 45μ • Gel de silice 60A 20 - 45μ • Gel de silice 60A 20 - 45μ • Kieselgel 60A 20 - 45μ

SiO₂
Molecular Weight: 60,09
CAS: 7631-86-9

Silica gel 60A 20 - 45μ > RS - For chromatography

RS

Particle size 20 - 45 μm Particle size > 16 μm ≥ 98 % Particle size > 64.0 μm ≤ 4 %
Loss on drying ≤ 6 % Particle size > 20.2 μm ≥ 90 %

Code	Size	Packaging	Notes
P2200017	1 kg	Plastic bottle	
P2200027	5 kg	Plastic bucket	

325 - 625 mesh. Stir before use

**Silica gel 60A 35 - 70 μ** • Gel di silice 60A 35 - 70 μ • Gel de silice 60A 35 - 70 μ • Gel de silice 60A 35 - 70 μ • Kieselgel 60A 35 - 70 μ SiO₂

Molecular Weight: 60,09

CAS: 7631-86-9

Silica gel 60A 35 - 70 μ > RS - For chromatography

RS

Particle size 35 ÷ 70 μ m Particle size >63 μ m ≤ 10 % pH (5% m/m solution) 6.5 ÷ 7.5
 Particle size <40 μ m ≤ 15 % Loss on drying ≤ 8.0 %

Code	Size	Packaging	Notes
P2000017	1 kg	Plastic bottle	
P2000026	2 kg	Plastic bottle	
P2000027	5 kg	Plastic bucket	
P2000044	25 kg	Plastic drum	

220 - 400 mesh. Stir before use**Silica gel 60A 35 - 70 μ > RS - For Flash chromatography**

RS

Description White powder Nitrate ≤150 ppm Ni ≤5 ppm > 32.0 μ m ≥ 87.0 %
 Identification Positive Sulphate ≤700 ppm Pb ≤5 ppm > 80.7 μ m ≤ 3.0 %
 pH suspension 10% H₂O 6.2 ÷ 7.2 Cd ≤5 ppm Zn ≤5 ppm
 Chloride ≤100 ppm Cu ≤5 ppm Granulometry
 Apparent density 380 ÷ 420 g/l Fe ≤50 ppm > 20.2 μ m ≥ 99.0 %

Code	Size	Packaging	Notes
453351	100 g	Plastic bottle	
453352	500 g	Plastic bottle	
453353	1 kg	Plastic bottle	
453355	5 kg	Plastic tank	

220 - 400 mesh**Silica gel 60A 40 - 63 μ** • Gel di silice 60A 40 - 63 μ • Gel de silice 60A 40 - 63 μ • Gel de silice 60A 40 - 63 μ • Kieselgel 60A 40 - 63 μ SiO₂

Molecular Weight: 60,09

CAS: 7631-86-9

Silica gel 60A 40 - 63 μ > RS - For chromatography

RS

Particle size 40 ÷ 63 μ m Particle size >63 μ m ≤ 10 % pH (5% m/m solution) 6.5 ÷ 7.5
 Particle size <40 μ m ≤ 15 % Loss on drying ≤ 6 %

Code	Size	Packaging	Notes
P2050017	1 kg	Plastic bottle	
P2050027	5 kg	Plastic bucket	
P2050044	25 kg	Metal bucket	

230 - 400 mesh. Stir before use



Silica gel 60A 70 - 200 μ

• Gel di silice 60A 70 - 200 μ • Gel de silice 60A 70 - 200 μ • Gel de silice 60A 70 - 200 μ • Kieselgel 60A 70 - 200 μ

SiO₂
Molecular Weight: 60,09
CAS: 7631-86-9

Silica gel 60A 70 - 200 μ > RS - For chromatography

RS

Particle size 70 ÷ 200 μ m Particle size >200 μ m ≤ 10 % pH (5% m/m solution) 6.5 - 7.5
Particle size <60 μ m ≤ 10 % Loss on drying ≤ 6.0 %

Code	Size	Packaging	Notes
P2100017	1 kg	Plastic bottle	
P2100026	2 kg	Plastic bottle	
P2100027	5 kg	Plastic bucket	
P2100044	25 kg	Plastic drum	

70 - 220 mesh. Stir before use



Silica gel 60A 0,06÷0,20 mm

• Gel di silice 60A 0,06÷0,20 mm • Gel de silice 60A 0,06÷0,20 mm • Gel de silice 60A 0,06÷0,20 mm
• Kieselgel 60A 0.06 ÷ 0.20 mm

Synonym:
• Silica
• Silicon dioxide

SiO₂
Molecular Weight: 60,09
CAS: 7631-86-9

Silica gel 60A 0,06÷0,20 mm > RS - For chromatography

RS

Description White powder pH suspension 10% H₂O 6.5 ÷ 7.5 > 0.20 mm ≤ 5 %
Identification Positive < 0.06 mm ≤ 5 %

Code	Size	Packaging	Notes
453336	500 g	Plastic bottle	
453337	1 kg	Plastic bottle	
453332	5 kg	Plastic bucket	
453331	20 kg	Plastic bucket	

70 - 230 mesh



Silica gel granular

• Gel di silice granulare • Gel de silice granulés • Gel de silice granulado • Kieselgel granuliert

Synonym:
• Silica
• Silicon dioxide

SiO₂
Molecular Weight: 60,09
CAS: 7631-86-9

Silica gel granular > RE - Pure

RE

Description White granules Identification Positive Functionality Conform

Code	Size	Packaging	Notes
453278	10 x 50 g	Carton box	
453272	10 x 100 g	Carton box	
453273	10 x 250 g	Carton box	
453275	10 x 500 g	Carton box	
453277	1 kg	Plastic bottle	
453279	5 kg	Plastic tank	

**Silica gel granular with indicator cobalt free**

- Gel di silice granulare con indicatore esente da cobalto
- Gel de silice granulés avec indicateur exempt de cobalt
- Gel de sílice granulada sin cobalto
- Kieselgelgranulat mit kobaltfreiem Indikator

Synonym:

- Silica
- Silicon dioxide

SiO₂

Molecular Weight: 60,09

CAS: 7631-86-9

Silica gel granular with indicator cobalt free > RE - Pure**RE**

Description Small bags containing yellowish granules Identification Positive Functionality Conform

Code	Size	Packaging	Notes
453317	1 kg	Plastic bottle	
453319	5 kg	Plastic tank	
453315	25 kg	Plastic bucket	

**Silicon standard solution**

- Silicio standard soluzione
- Silicium solution standard
- Silicio, solución patrón
- Silizium-Standardlösung

Classification transport

ONU: 3264

Transport Hazard class: 8

Packing group III

**Danger**

H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Silicon standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505847	100 ml	Plastic bottle	conc. 10 ppm Matrix: Water
505848	100 ml	Plastic bottle	conc. 100 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Silicon standard solution > RS - Standard solution for ICP**RS**

Code	Size	Packaging	Notes
503921	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503923	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503925	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water
503927	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water
504271	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
504273	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
504275	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid
504277	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Silicon standard solution > RS - Standard solution for AAS**RS**

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E497635	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Water
E497631	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Silicon standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
477961		Plastic ampoule	conc. 1.000 ppm Matrix: Water - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Silicon carbide ▶ Carborundum, granules



Silicon dioxide

• Silicio biossido • Silicium dioxyde • Silicio dióxido • Siliciumdioxid

Synonym:
Silica

SiO₂
Molecular Weight: 60,09
CAS: 14808-60-7
EEC-N: 238-878-4



Warning

H373
P260-P314-P501a

Silicon dioxide > RPE - For analysis

RPE

Description White powder Identification Positive Loss on ignition ≤ 0.5 % Assay ≥ 99.5 %

Code	Size	Packaging	Notes
422104	100 g	Plastic bottle	
422106	500 g	Plastic bottle	



Silicotungstic acid

• Acido silicotungstico • Acide silicotungstique • Acido silicotúngstico • Kieselwolframsäure

Synonym:
Tungstosilicic acid hydrate

SiO₂·12WO₃·26H₂O
Molecular Weight: 3310,66
CAS: 12027-43-9



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Silicotungstic acid > RPE - For analysis

RPE

Description White powder Identification Positive Solubility Clear colourless liquid Loss on ignition 14.0 - 16.2 %

Code	Size	Packaging	Notes
410051	10 g	Glass bottle	



Silver, sheet

• Argento, lamina • Argent, lames • Plata, hojas • Silber, Blatt

Ag
Molecular Weight: 107,87
CAS: 7440-22-4
EEC-N: 231-131-3

Silver, sheet > RPE - For analysis

RPE

Description Lamina Identification Positive Assay ≥99.9 %

Code	Size	Packaging	Notes
423752	25 g	Bag	0.5 mm

**Silver, wool**

• Argento, lana • Argent, laine • Plata, lana • Silber, Wolle

Ag
 Molecular Weight: 107,87
 CAS: 7440-22-4
 EEC-N: 231-131-3

Silver, wool > RS - For microanalysis

RS

Description Lana Identification Positive Assay ≥99.9 %

Code	Size	Packaging	Notes
423791	5 g	Glass bottle	

**Silver standard solution**

• Argento standard soluzione • Argent solution standard • Plata, solución patrón • Silberstandardlösung

Classification transport

ONU: 3264
 Transport Hazard class: 8
 Packing group III

**Danger**

H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Silver standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615002609	100 ml	Glass bottle	A 5 ppm solution: to dilute according to Ref Ph.Eur 5002600

Silver standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505302	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505305	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505303	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Silver standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503401	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503403	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503405	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503407	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Silver standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507526	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507480	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Silver standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
423611		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volometric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Silver acetate

• Argento acetato • Argent acétate • Plata acetato • Silberacetat

 Synonym:
Acetic acid silver salt

CH₃COOAg
Molecular Weight: 166,92
CAS: 563-63-3
EEC-N: 209-254-9



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Silver acetate > RE - Pure

RE

Description White greyish powder Identification Positive Assay (argentimetric) ≥98 %

Code	Size	Packaging	Notes
319502	25 g	Glass bottle	
319507	250 g	Plastic bottle	



Silver carbonate

• Argento carbonato • Argent carbonate • Plata carbonato • Silbercarbonat

Ag₂CO₃
Molecular Weight: 275,75
CAS: 534-16-7
EEC-N: 208-590-3



Danger

H318-H410
P273-P280i-P305+P351+P338-P310a-P391-P501a

Silver carbonate > RE - Pure

RE

Description Yellow-green powder Identification Positive Substances not ppt HCl ≤1 % Assay (argentimetric) 99.5 ÷ 101.5 %

Code	Size	Packaging	Notes
320002	25 g	Glass bottle	
320007	250 g	Glass bottle	



Silver chloride

• Argento cloruro • Argent chlorure • Plata cloruro • Silberchlorid

AgCl
Molecular Weight: 143,32
CAS: 7783-90-6
EEC-N: 232-033-3

Classification transport

ONU: 3077
Transport Hazard class: 9
Packing group III



Warning

H410
P273-P391-P501a

Silver chloride > RE - Pure

RE

Description Whitish irregular granules
Identification Positive
Al ≤ 60 ppm
Ca ≤ 60 ppm
Cu ≤ 100 ppm
Fe ≤ 100 ppm
Mg ≤ 60 ppm
Mn ≤ 60 ppm
Ni ≤ 60 ppm
Pb ≤ 60 ppm

Code	Size	Packaging	Notes
320502	25 g	Glass bottle	
320504	100 g	Glass bottle	

**Silver diethyldithiocarbamate**

- Argento dietilditiocarbammato • Argent diéthylthiociocarbamate • Plata dietilditiocarbamat
- Silberdiethyldithiocarbaminat

Synonym:

- DETC
- Diethyldiocarbamic acid silver salt

(C₂H₅)₂NCSSAg
Molecular Weight: 256,14
CAS: 1470-61-7
EEC-N: 216-003-7

Silver diethyldithiocarbamate > RPE - For analysis**RPE**

Appearance Light yellow crystalline powder Assay (C₅H₁₀AgNS₂) ≥ 99 % Insoluble matter in water ≤ 0.1 % Loss on drying ≤ 0.1 %

Code	Size	Packaging	Notes
423913	10 g	Glass bottle	

**Silver manganese paper**

- Carta di manganese d'argento • Papier argent manganèse • Papel de plata de manganeso • Silber-Mangan-Papier

H412
P273-P501a

Silver manganese paper > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611078200	50 stripes	Tube	Ref Ph.Eur 1078200

**Silver nitrate**

- Argento nitrato • Argent nitrate • Plata nitrato • Silbernitrat

Synonym:

Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8
EEC-N: 231-853-9

Classification transport

ONU: 1493
Transport Hazard class: 5.1
Packing group II

**Danger**

H272-H290-H314-H410
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Silver nitrate > RPE - For analysis - ACS**RPE**

Description White crystals Fee acidity Conform ACS Sulphate ≤20 ppm Pb ≤10 ppm
Identification Positive Substances not ppt HCl ≤100 ppm Cu ≤2 ppm Assay (argentimetric) ≥99.0 %
Appearance of solution Conform ACS Chloride ≤5 ppm Fe ≤2 ppm

Code	Size	Packaging	Notes
423952	25 g	Glass bottle	
423954	100 g	Glass bottle	
423955	250 g	Glass bottle	
423957	1 kg	Plastic bottle	

Silver nitrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB**ERBApharm**

Description White crystalline powder Appearance of solution Conform USP-NF Al,Pb,Cu,Bi Conform Ph.Eur. Assay (argentimetric) 99.8 ÷ 100.5 %
Identification Positive Acidity or alkalinity Conform Ph.Eur. Foreign salts ≤ 0.3 %

Code	Size	Packaging	Notes
320904	100 g	Glass bottle	
320907	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Silver nitrate solution 5%

• Argento nitrato soluzione 5% • Argent nitrate solution 5% • Plata nitrato solución 5% • Silbernitrat 5%

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group II



Danger
H314-H411
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Silver nitrate solution 5% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 15° C 1.036 ÷ 1.044 Assay 4.0 ÷ 6.0 %

Code	Size	Packaging	Notes
E423982	1 l	Bottle	



Silver nitrate solution 2.9075%

• Argento nitrato soluzione 2.9075% • Argent nitrate solution 2.90756% • Plata nitrato solución 2.90756% • Silbernitrat 2.90756%

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

H412
P273-P501a

Silver nitrate solution 2.9075% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
E424001	1 l	Bottle	



Silver nitrate 1 mol/l (1N)

• Argento nitrato 1 mol/l (1N) • Argent nitrate 1 mol/l (1N) • Plata nitrato 1 mol/l (1N) • Silbernitrat 1 mol/l (1N)

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group II



Danger
H314-H411
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Silver nitrate 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.999 - 1.001 N NIST 399 c

Code	Size	Packaging	Notes
424036000	500 ml	Glass bottle	Certified with NIST traceability
424035000	1 l	Glass bottle	Certified with NIST traceability

169.87 g of AgNO₃. Volumetric solution ready-to-use



Silver nitrate 0.5 mol/l (0.5N)

• Argento nitrato 0.5 mol/l (0.5N) • Argent nitrate 0.5 mol/l (0.5N) • Plata nitrato 0.5 mol/l (0.5N) • Silbernitrat 0.5 mol/l (0.5N)

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

Classification transport
ONU: 1760
Transport Hazard class: 8
Packing group II



Danger
H314-H411
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Silver nitrate 0.5 mol/l (0.5N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.4995 - 0.5005 N NIST 399 c

Code	Size	Packaging	Notes
424051000	1 l	Glass bottle	Certified with NIST traceability

Volumetric solution ready-to-use

**Silver nitrate 0.1 mol/l (0.1N)**

- Argento nitrato 0.1 mol/l (0.1N) • Argent nitrato 0.1 mol/l (0.1N) • Plata nitrato 0.1 mol/l (0.1N)
- Silbernitrat 0.1 mol/l (0.1N)

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

**Warning**

H315-H319-H412
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Silver nitrate 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613005600	1 l	Glass bottle	Ref Ph.Eur 3005600

Storage: protected from light**Silver nitrate 0.1 mol/l (0.1N) > RPE - For analysis****RPE**

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 399 c

Code	Size	Packaging	Notes
424067000	1 l	Plastic bottle	Certified with NIST traceability
424062000	5 l	Kubidos	Certified with NIST traceability
424063000	5 l	Plastic tank	Certified with NIST traceability
424061000	10 l	Kubidos	Certified with NIST traceability

16.987 g of AgNO₃. Volumetric solution ready-to-use**Silver nitrate 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis****RPE**

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
424081		Glass ampoule	Volume: 60 ml

16.987 g of AgNO₃. Volumetric concentrated solution to prepare 1 L of solution 0,1 N**Silver nitrate 0.1 mol/l (0.1N) in 2-propanol**

- Argento nitrato 0.1 mol/l (0.1N) in isopropanolo • Argent nitrato 0.1 mol/l (0.1N) dans le propanol-2 • Plata nitrato 0.1 mol/l (0.1N) en propanol-2
- Silbernitrat 0.1 mol/l (0.1N) in 2-Propanol

Classification transport

ONU: 1219
Transport Hazard class: 3
Packing group II

**Danger**

H225-H315-H319-H336-H412
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

Silver nitrate 0.1 mol/l (0.1N) in 2-propanol > RS - For analysis**RS**

Assay (potentiometry) 0.0998 - 0.1002 N

Code	Size	Packaging	Notes
PS0250/16	1 l	Glass bottle	

**Silver nitrate 0.05 mol/l (0.05N)**

- Argento nitrato 0.05 mol/l (0.05N) • Argent nitrato 0.05 mol/l (0.05N) • Plata nitrato 0.05 mol/l (0.05N)
- Silbernitrat 0.05 mol/l (0.05N)

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

H412
P273-P501a

Silver nitrate 0.05 mol/l (0.05N) > RPE - For analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 0.04995 - 0.05005 N NIST 399 c

Code	Size	Packaging	Notes
424101000	1 l	Plastic bottle	Certified with NIST traceability

Volumetric solution ready-to-use



Silver nitrate 0.01 mol/l (0.01N)

- Argento nitrato 0.01 mol/l (0.01N) • Argent nitrate 0.01 mol/l (0.01N) • Plata nitrato 0.01 mol/l (0.01N)
- Silbernitrat 0.01 mol/l (0.01N)

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

H412
P273-P501a

Silver nitrate 0.01 mol/l (0.01N) > RPE - For analysis

RPE

Assay (potentiometry) 0.00998 - 0.01002 N

Code	Size	Packaging	Notes
PS0030/15	1 l	Plastic bottle	

Silver nitrate 0.01 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
424161		Glass ampoule	Volume: 60 ml

1,6987 g of AgNO₃. Volumetric concentrated solution to prepare 1 L of solution 0,01 N



Silver nitrate 0.01 mol/l (0.01N) in propanol-2

- Argento nitrato 0.01 mol/l (0.01N) in isopropanolo • Argent nitrate 0.01 mol/l (0.01N) dans le propanol-2 • Plata nitrato 0.01 mol/l (0.01N) en propanol-2
- Silbernitrat 0.01 mol/l (N/10) in Propanol-2

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8

Classification transport
ONU: 1219
Transport Hazard class: 3
Packing group II



Danger
H225-H319-H336
P210-P280-P303+P361+P353-P304+P340-P305+P351+P338-P403+P233

Silver nitrate 0.01 mol/l (0.01N) in propanol-2 > RS - For analysis

RS

Assay (potentiometry) 0.00998 - 0.01002 N

Code	Size	Packaging	Notes
PS0252/16	1 l	Glass bottle	



Silver nitrate solution

- Argento nitrato soluzione • Argent nitrate solution • Plata nitrato solución • Silbernitratlösung

Synonym:
Nitric acid silver(I) salt

AgNO₃
Molecular Weight: 169,87
CAS: 7761-88-8



Danger
H315-H318-H411
P264-P280a-P305+P351+P338-P310a-P362+P364-P332+P313

Silver nitrate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611078307	100 ml	Glass bottle	Silver nitrate R1 Ref Ph.Eur 1078301
611078306	100 ml	Glass bottle	Silver nitrate R2 Ref Ph.Eur 1078302
611078301	1 l	Glass bottle	Silver nitrate R1 Ref Ph.Eur 1078301
611078302	1 l	Glass bottle	Silver nitrate R2 Ref Ph.Eur 1078302

Storage: protected from light

Silver nitrate solution > RS - For analysis according to JP

RS

Code	Size	Packaging	Notes
616001001	1 l	Plastic bottle	Silver nitrate TS

Storage: protected from light

Silver nitrate solution > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000201	1 l	Glass bottle	Silver nitrate TS

**Silver oxide**

• Argento ossido • Argent oxyde • Plata óxido • Silberoxid

Synonym:
Silver(I) oxide

Ag ₂ O Molecular Weight: 231,74 CAS: 20667-12-3 EEC-N: 243-957-1	Classification transport ONU: 1479 Transport Hazard class: 5.1 Packing group II	 	Danger H271-H318-H410 P210-P280-P283-P305+P351+P338-P310a- P306+P360
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Silver oxide > RPE - For analysis

RPE

Description Grey powder	Ca ≤ 50 ppm	Fe ≤ 150 ppm	Pb ≤ 50 ppm
Identification Positive	Cd ≤ 50 ppm	Mg ≤ 50 ppm	Zn ≤ 50 ppm
Loss on drying ≤ 0.5 %	Cu ≤ 0.08 %	Ni ≤ 50 ppm	Assay (argentimetric) ≥ 99 %

Code	Size	Packaging	Notes
424181	25 g	Glass bottle	
424182	250 g	Plastic bottle	

**Silver sulfate**

• Argento solfato • Argent sulfate • Plata sulfato • Silbersulfat

Synonym:
Sulfuric acid disilver(I) salt

Ag ₂ SO ₄ Molecular Weight: 311,79 CAS: 10294-26-5 EEC-N: 233-653-7	 	Danger H318-H410 P273-P280i-P305+P351+P338-P310a-P391-P501a
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Silver sulfate > RPE - For analysis

RPE

Description Whitish powder	Umidità (H ₂ O) ≤ 0.5 %	Fe ≤ 150 ppm
Identification Positive	Cu ≤ 500 ppm	Assay (argentimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
424201	25 g	Glass bottle	
424203	100 g	Glass bottle	

**Silver sulfate solution 0.7% in sulfuric acid**• Argento solfato soluzione 0.7% in acido solforico • Argent sulfate solution 0.7% dans l'acide sulfurique
• Plata sulfato solución 0.7% en acido sulfúrico • Silbersulfat 0.7% in SchwefelsäureSynonym:
Sulfuric acid disilver(I) salt

Ag ₂ SO ₄ Molecular Weight: 311,79 CAS: 10294-26-5	Classification transport ONU: 1830 Transport Hazard class: 8 Packing group II		Danger H290-H314-H412 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Silver sulfate solution 0.7% in sulfuric acid > RS - For environmental analysis (COD determination)

RS

Description Clear colourless liquid	Identification Positive	Assay 0.685 ÷ 0.715 %
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Code	Size	Packaging	Notes
424191	1 l	Glass bottle	
424192	2.5 l	Glass bottle	

**Soap solution in ethanol**

• Sapone soluzione in alcol etilico • Savon en solution dans l'éthanol • Jabón solución en alcohol etílico • Seife in Ethanollösung

Classification transportONU: 1170
Transport Hazard class: 3
Packing group II**Warning**H226-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313**Soap solution in ethanol > RS - For hydrotimetry according to Boutron-Boudet****RS**

Description Yellowish clear liquid Identification Positive

Code	Size	Packaging	Notes
E477507	1 l	Glass bottle	

**Soda lime**

• Calce sodata • Chaux sodée • Cal sodada • Natronkalk

CAS: 8006-28-8

**Warning**H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313**Soda lime > RS - For anesthesia and basal metabolism test****RS**Description White granules Water 12.0 ÷ 19.0 % Activity ≥ 19.0 % Umidità assorbita ≤ 7.5 %
Identification Positive Alcalinity (NaOH) ≤ 3.5 % Hardness ≥ 75.0 % Diameter 2.5 ÷ 5.0 mm

Code	Size	Packaging	Notes
432873	1 kg	Plastic bottle	
432874	4,5 kg	Plastic tank	

With ethyl violet indicator**Soda lime > RS - For CO2 absorption****RS**Description Granuli white Diameter: Conform > 1.40 mm Balance
Identification Positive > 2.80 mm < 1.0 % > 0.60 mm < 20.0 %
CO2 Absorption > 19 % > 2.00 mm < 30.0 % < 0.60 mm < 1.0 %

Code	Size	Packaging	Notes
432861	1 kg	Plastic bottle	
432862	5 kg	Plastic tank	

With indicator manganese salt**Soda lime > RS - For microanalysis****RS**Description White granules Water 16 ÷ 19 % > 4.75 mm ≤ 7.0 %
Identification Positive Hardness ≥ 80 % < 0.6 mm ≤ 1.0 %

Code	Size	Packaging	Notes
432851	500 g	Plastic bottle	

With indicator ethyl violet**Soda lime > RPE - For analysis****RPE**Description White granules Hardness ≥ 75 % > 8.0 mm Nil
Identification Positive Activity ≥ 19.0 % > 4.75 mm ≤ 7.0 %
Water 12 ÷ 19 % Alcalinity (NaOH) ≤ 3.5 % < 0.425 mm ≤ 2.0 %

Code	Size	Packaging	Notes
432801	1 kg	Plastic bottle	
432802	2.5 kg	Plastic bottle	
432803	25 kg	Plastic bucket	

With ethyl purple indicator. Diameter 2,5 - 6 mm

**Sodium standard solution**

• Sodio standard soluzione • Sodium solution standard • Sodio solución patrón • Natriumstandardlösung

**Danger**H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Sodium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**

RS

Code	Size	Packaging	Notes
615002701	100 ml	Plastic bottle	A 50 ppm solution: to dilute according to Ref Ph.Eur 5002701
615002709	100 ml	Plastic bottle	A 200 ppm solution: to dilute according to Ref Ph.Eur 5002700
615005700	1 l	Plastic bottle	A 1000 ppm solution Ref Ph.Eur 5005700

Sodium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505732	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505735	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505733	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Sodium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
503741	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503743	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503745	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503747	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Sodium standard solution > RS - Standard solution for AAS**

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507759	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503749	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497645	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497641	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Sodium standard solution > RS - NORMEX - Concentrated solution for AAS**

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
478101		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package**Sodium standard solution > RS - Standard solution for ion chromatography**

RS

Code	Size	Packaging	Notes
503301	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503303	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Sodium acetate anhydrous

• Sodio acetato anidro • Sodium acétate anhydre • Sodio acetato anhidro • Natriumacetat wasserfrei

Synonym:

Acetic acid sodium salt anhydrous

CH₃COONa
Molecular Weight: 82,035
CAS: 127-09-3
EEC-N: 204-823-8

Sodium acetate anhydrous > RPE - For analysis

RPE

Description	White hygroscopic powder	Heavy metals (Pb).....	≤10 ppm	Ca.....	≤100 ppm	Ni.....	≤2 ppm
Identification	Positive	Nitrate	≤10 ppm	Cu.....	≤2 ppm	Zn.....	≤2 ppm
pH sol. 5% at 25° C.....	7.5 ÷ 9.2	Subst. reducing KMnO ₄	≤50 ppm (1h)	Fe.....	≤3 ppm	Assay (non-aqueous medium) .99.0 ÷ 101.0	% (s.s.)
Loss on drying	≤1.0 %	Sulphate.....	≤100 ppm	K.....	≤0.1 %		
Ca, Mg and ppt by NH ₄ OH.....	≤50 ppm	Al.....	≤5 ppm	Mg.....	≤5 ppm		
Chloride.....	≤350 ppm	As.....	≤1 ppm	Mn.....	≤5 ppm		

Code	Size	Packaging	Notes
478165	100 g	Plastic bottle	
478166	500 g	Plastic bottle	
478167	1 kg	Plastic bottle	
478163	25 kg	Fibre drum	

Sodium acetate anhydrous > ERBApharm - According to pharmacopoeia: USP

ERBApharm

Description	White crystalline powder	pH.....	7.5 ÷ 9.2 USP-NF	Heavy metals (Pb).....	≤10 ppm	% s.s.	
Identification	Positive	Loss on drying	≤1.0 %	Sulphate.....	≤50 ppm	Origin (BSE/TSE).....	Synthesis
Calcium + Magnesium	Conform USP-NF	Water not sol. matter.....	≤500 ppm	Al.....	≤0.2 ppm		
K.....	Conform USP-NF	Chloride.....	≤350 ppm	Assay (non-aqueous medium) .99.0 ÷ 101.0			

Code	Size	Packaging	Notes
366377	1 kg	Plastic bottle	
366372	5 kg	Plastic tank	
366371	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium acetate trihydrate

• Sodio acetato triidrato • Sodium acétate trihydraté • Sodio acetato trihidrato • Natriumacetat-trihydrat

Synonym:

Acetic acid sodium salt trihydrate

CH₃COONa.3H₂O
Molecular Weight: 136,08
CAS: 6131-90-4
EEC-N: 612-115-9

Sodium acetate trihydrate > RPE - For analysis - ISO - ACS - Reag.USP

RPE

Description	White crystals	Chloride.....	≤10 ppm	Sulphate.....	≤20 ppm	%	
Identification	Positive	Phosphate	≤5 ppm	Fe.....	≤5 ppm	Ca.....	≤50 ppm
pH sol. 5% at 25° C.....	7.5 ÷ 9.2	Water-insoluble matter.....	≤50 ppm	K.....	≤50 ppm	Mg.....	≤20 ppm
Subst. reducing KMnO ₄	Conform	Heavy metals (Pb).....	≤5 ppm	Assay (non-aqueous medium) .99.0 ÷ 101.0			

Code	Size	Packaging	Notes
478135	100 g	Plastic bottle	
478136	500 g	Plastic bottle	
478137	1 kg	Plastic bottle	
478139	5 kg	Plastic tank	
478132	25 kg	Plastic bucket	

Sodium acetate trihydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP

ERBApharm

Description	White or almost white,cryst. powder or colourless cryst.	K.....	Conform USP-NF	Heavy metals (Pb).....	≤10 ppm	Calcium + Magnesium	≤50 ppm
Identification	Positive	pH sol. 5% at 25° C	7.5 ÷ 9.0	Sulphate	≤50 ppm	Fe	≤10 ppm
Appearance of solution	Conform Ph.Eur.	Loss on drying 130° C.....	39.0 ÷ 40.5 %	Not soluble matter.....	≤500 ppm	Al	≤0.2 ppm
Reducing substances	Conform Ph.Eur.	Chloride.....	≤200 ppm	As	≤2 ppm	Assay (non-aqueous medium)	99.0 ÷ 101.0 % (s.s.)

Code	Size	Packaging	Notes
366207	1 kg	Plastic bottle	
366209	5 kg	Plastic tank	
366205	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium alginate**

• Sodio alginato • Sodium alginate • Sodio alginato • Natriumalginat

Synonym:

- Algin
- Alginic acid

(C₆H₇O₆Na)_n
Molecular Weight: >200000
CAS: 9005-38-3

Sodium alginate > ERBApharm - According to pharmacopoeia: FU-Ph.Eur.

ERBApharm

Description	Beige powder	Sulphated ash.....	30.0 ÷ 36.0 %	Microbial tests	Salmonella.....	Absent
Identification	Positive	Chloride.....	≤1.0 %	TAMC	≤1000 CFU/g	
Appearance of solution	Conform Ph.Eur.	Heavy metals (Pb).....	≤20 ppm	TYMC	≤100 CFU/g	
Loss on drying	≤15.0 %	Ca.....	≤1.50 %	Escherichia coli	Absent	

Code	Size	Packaging	Notes
366551	100 g	Plastic bottle	
366552	1 kg	Plastic bottle	
366553	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium aluminate**

• Sodio alluminato • Sodium aluminat • Sodio aluminato • Natriumaluminat

NaAlO₂
Molecular Weight: 81,97
CAS: 11138-49-1
EEC-N: 234-391-6

Classification transport

ONU: 2812
Transport Hazard class: 8
Packing group III

**Danger**

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium aluminate > RE - Pure

RE

Description	White-grey powder	Iron (as Fe2O3)	≤ 0.05 %	Sodium (as Na2O)	37 - 45 %
Identification	Positive	Aluminium (as Al2O3)	50 - 60 %		

Code	Size	Packaging	Notes
478237	1 kg	Plastic bottle	
478232	25 kg	Plastic bucket	



Sodium ammonium hydrogen phosphate

- Sodio ammonio idrogeno fosfato • Sodium ammonium hydrogen phosphate
- Sodio y amonio hidrógeno fosfato • Natriumammoniumhydrogenphosphat

Synonym:

- Ammonium sodium phosphate dibasic tetrahydrate
- Ammonium sodium hydrogen phosphate

NaNH₄HPO₄·4H₂O
Molecular Weight: 209,07
CAS: 13011-54-6
EEC-N: 235-860-8

Sodium ammonium hydrogen phosphate > RPE - For analysis

RPE

Description	White crystalline powder	Fluoride	≤10 ppm	As	≤0.5 ppm	Mg	≤20 ppm
Identification	Positive	Water-insoluble matter	≤50 ppm	Ca	≤50 ppm	Ni	≤25 ppm
pH sol. 5% at 25° C	7.5 ÷ 8.5	Heavy metals (Pb)	≤5 ppm	Cu	≤25 ppm	Zn	≤25 ppm
Carbonate	≤10 ppm	Nitrate	≤10 ppm	Fe	≤5 ppm	Assay (acidimetric)	≥99.5 %
Chloride	≤10 ppm	Sulphate	≤50 ppm	K	≤300 ppm		

Code	Size	Packaging	Notes
478357	1 kg	Plastic bottle	



Sodium L-ascorbate

- Sodio L-ascorbato • Sodium L-ascorbate • Sodio L-ascorbato • Natrium L-ascorbat

Synonym:

- L(+)-Ascorbic acid sodium salt
- Vitamin C sodium salt

C₆H₇O₆Na
Molecular Weight: 198,11
CAS: 134-03-2
EEC-N: 205-126-1

Sodium L-ascorbate > RE - Pure

RE

Description	white to yellow crystalline powder	Identification	Positive	Assay (HClO ₄)	≥ 98.5 %
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Code	Size	Packaging	Notes
366681	100 g	Plastic bottle	
366684	1 kg	Plastic bottle	



Sodium arsenite 0.1 mol/l (0.2N)

- Sodio arsenito 0.1 mol/l (0.2N) • Sodium arsenite 0.1 mol/l (0.2N) • Sodio arsenito 0.1 mol/l (0.2N)
- Natriumarsenit 0.1 mol/l (0.2N)

Synonym:

- Sodium (meta)arsenite
- Sodium dioxoarsenate

AsNaO₂
Molecular Weight: 129,91
CAS: 7784-46-5

Classification transport

ONU: 1686
Transport Hazard class: 6.1
Packing group III



Danger

H302-H350-H411-HA26
P264-P280-P301+P312a-P330-P308+P313-P501a

Sodium arsenite 0.1 mol/l (0.2N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613005800	1 l	Plastic bottle	Ref Ph.Eur 3005800



Sodium arsenite 0.05 mol/l (0.1N)

- Sodio arsenito 0.05 mol/l (0.1N) • Sodium arsenite 0.05 mol/l (0.1N) • Sodio arsenito 0.05 mol/l (0.1N)
- Natriumarsenit 0.05 mol/l (0.1N)

Synonym:

- Sodium (meta)arsenite
- Sodium dioxoarsenate

AsNaO₂
Molecular Weight: 129,91
CAS: 7784-46-5

Classification transport

ONU: 1686
Transport Hazard class: 6.1
Packing group II



Danger

H302-H319-H350-H411-HA26
P264-P280-P301+P312a-P305+P351+P338-P308+P313-P337+P313

Sodium arsenite 0.05 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description	Clear colourless liquid	Identification	Positive	Titration factor	0.995 ÷ 1.005
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Code	Size	Packaging	Notes
402381		Glass ampoule	Volume: 60 ml

6,494 g NaAsO₂. Volumetric concentrated solution to prepare 1 L of solution 0,1 N

**Sodium azide**

• Sodio azide • Sodium azide • Sodio azida • Natriumazid

NaN₃

Molecular Weight: 65,01

CAS: 26628-22-8

EEC-N: 247-852-1

Classification transport

ONU: 1687

Transport Hazard class: 6.1

Packing group II

**Danger**

H300-H310-H373-H410-HEU032

P260-P264-P280h-P301+P310a-P330-P361+P364

Sodium azide > RE - Pure**RE**

Description White crystalline powder Loss on drying ≤ 0.5 % pH solution 5% ≥ 9 Sodium carbonate ≤ 0.15 %
 Identification Positive Water-insoluble matter ≤ 500 ppm Heavy metals (Pb) ≤ 20 ppm Assay (oxidimetric) ≥ 98.5 %

Code	Size	Packaging	Notes
478484	25 g	Glass bottle	
478482	250 g	Glass bottle	
478481	2.5 kg	Plastic bottle	

**Sodium benzoate**

• Sodio benzoato • Sodium benzoate • Sodio benzoato • Natriumbenzoat

Synonym:

*Benzoic acid sodium salt*C₆H₅COONa

Molecular Weight: 144,11

CAS: 532-32-1

EEC-N: 208-534-8

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Sodium benzoate > ERBApharm - According to pharmacopoeia: BP-FU-NF-Ph.Eur.**ERBApharm**

Description White crystalline powder Acidity or alkalinity Conform Ph.Eur. Halog. comp. ionized Cl ≤ 200 ppm Assay (non-aqueous medium) .99.0 ÷ 100.5 % s.s.
 Identification Positive Water (K.F) ≤ 1.5 % Halog. comp. total Cl ≤ 300 ppm
 Appearance of solution Conform Ph.Eur. Loss on drying ≤ 2.0 % Heavy metals (Pb) ≤ 10 ppm

Code	Size	Packaging	Notes
366757	1 kg	Plastic bottle	
366759	5 kg	Plastic bucket	
366754	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium bicarbonate**

• Sodio bicarbonato • Sodium bicarbonate • Sodio bicarbonato • Natriumbicarbonat

Synonym:

*Sodium hydrogen carbonate*NaHCO₃

Molecular Weight: 84,01

CAS: 144-55-8

EEC-N: 205-633-8

Sodium bicarbonate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description White crystalline powder Phosphate ≤ 10 ppm Assay (alkalimetric) 99.7 ÷ 100.3 % s.s. Carbonate Conform
 Identification Positive Total sulphur ≤ 30 ppm Ca ≤ 100 ppm Loss on drying ≤ 0.25 %
 Water-insoluble matter ≤ 150 ppm Heavy metals (Pb) ≤ 5 ppm Mg ≤ 50 ppm Sulphate ≤ 150 ppm
 Ammonium ≤ 5 ppm Fe ≤ 10 ppm As ≤ 2 ppm
 Chloride ≤ 30 ppm K ≤ 50 ppm Appearance of solution Conform

Code	Size	Packaging	Notes
478535	100 g	Plastic bottle	
478536	500 g	Plastic bottle	
478537	1 kg	Plastic bottle	
478531	5 kg	Plastic jar	
478532	25 kg	Plastic bucket	

Sodium bicarbonate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP-DAB

ERBApharm

Description	White crystalline powder	Not soluble matter	Conform USP-NF	Heavy metals (Pb).....	≤5 ppm	Ca.....	≤100 ppm
Identification	Positive	Loss (silica gel)	≤0.25 %	Sulphate	≤150 ppm	Fe.....	≤20 ppm
Appearance of solution	Conform Ph.Eur.	Ammonium	≤20 ppm	Sulfur compounds	≤150 ppm	Assay (alkalimetric).....	99.0 ÷ 100.5 % s.s.
Carbonate.....	Conform Ph.Eur.	Chloride.....	≤150 ppm	As	≤2 ppm	Normal carbonate.....	Conform

Code	Size	Packaging	Notes
366908	1 kg	Plastic bottle	
366909	5 kg	Plastic tank	
366902	25 kg	Plastic bucket	
366904	50 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium bisulfate monohydrate

- Sodio bisolfato monoidrato • Sodium bisulfate monohydraté • Sodio bisulfato monohidrat
- Natriumbisulfat-Monohydrat

Synonym:
Sodium hydrogen sulfate monohydrate

NaHSO₄·H₂O
Molecular Weight: 138,07
CAS: 10034-88-5
EEC-N: 231-665-7

Classification transport
ONU: 3260
Transport Hazard class: 8
Packing group III



Danger
H318
P280i-P305+P351+P338-P310a

Sodium bisulfate monohydrate > RPE - For analysis

RPE

Description	White crystals	Chloride.....	≤ 20 ppm	Fe	≤ 50 ppm
Identification	Positive	Heavy metals (Pb).....	≤ 50 ppm	Assay	≥ 96.0 %

Code	Size	Packaging	Notes
478675	100 g	Plastic bottle	
478676	500 g	Plastic bottle	
478677	1 kg	Plastic bottle	
478673	25 kg	Drum	



Sodium borohydride

- Sodio boroidruro • Sodium borohydride • Sodio boro hidruro • Natriumtetrahydroborat

Synonym:
Sodium tetrahydroborate

NaBH₄
Molecular Weight: 37,83
CAS: 16940-66-2
EEC-N: 241-004-4

Classification transport
ONU: 1426
Transport Hazard class: 4.3
Packing group I



Danger
H260-H301-H314-H360FD-HEU014-HA26
P223-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338

Sodium borohydride > RE - Pure - Powder

RE

Description	White powder	Identification	Positive	Assay (oxidimetric)	≥ 95 %
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Code	Size	Packaging	Notes
478953	50 g	Metallic can	
478955	250 g	Metallic can	
478957	1 kg	Metallic can	

Sodium borohydride > RE - Pure - Pearls

RE

Description	White pearls	Identification	Positive	Assay	≥ 97.5 %
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Code	Size	Packaging	Notes
478964	100 g	Metallic can	

**Sodium bromide**

• Sodio bromuro • Sodium bromure • Sodio bromuro • Bromnatium

NaBr
Molecular Weight: 102,9
CAS: 7647-15-6
EEC-N: 231-599-9

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Sodium bromide > RPE - For analysis - ACS**RPE**

Description White crystalline powder
Identification Positive
pH sol. 5% at 25° C 5.0 ÷ 8.8
Bromate ≤ 10 ppm
Chloride ≤ 0.2 %
Water-insoluble matter ≤ 50 ppm
Heavy metals (Pb) ≤ 5 ppm
Sulphate ≤ 20 ppm
Ba ≤ 20 ppm
Ca ≤ 20 ppm
Fe ≤ 5 ppm
K ≤ 0.1 %
Mg ≤ 10 ppm
Assay (argentimetric) ≥ 99.0 %

Code	Size	Packaging	Notes
479055	250 g	Plastic bottle	
479057	1 kg	Plastic bottle	

Sodium bromide > ERBApharm - According to pharmacopoeia: Ph.Eur.-Ph.Franc.**ERBApharm**

Description White crystalline powder
Identification Positive
Appearance of solution Conform Ph.Eur.
Acidity or alkalinity Conform Ph.Eur.
Bromate Conform Ph.Eur.
Iodide Conform Ph.Eur.
Loss on drying ≤ 3.0 %
Chloride ≤ 0.6 %
Mg,alkal.earth met.(Ca) ≤ 200 ppm
Heavy metals (Pb) ≤ 10 ppm
Sulphate ≤ 100 ppm
Fe ≤ 20 ppm
Assay (argentimetric) 98.0 ÷ 100.5 % s.s.

Code	Size	Packaging	Notes
367357	1 kg	Plastic bottle	
367359	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium 1-butanesulfonate ▶ 1-Butanesulfonic acid sodium salt****Sodium carbonate anhydrous**

• Sodio carbonato anidro • Sodium carbonate anhydrous • Sodio carbonato anhidro • Natriumcarbonat wasserfrei

Synonym:

- Calcined soda
- Carbonic acid disodium salt

Na₂CO₃
Molecular Weight: 105,99
CAS: 497-19-8
EEC-N: 207-838-8

**Warning**

H319
P264-P280i-P305+P351+P338-P337+P313

Sodium carbonate anhydrous > RS - Standard for volumetry**RS**

Description White crystals
Identification Positive
Assay ≥ 99.7 %

Code	Size	Packaging	Notes
479331	50 g	Glass bottle	

Sodium carbonate anhydrous > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP**RPE**

Description White crystalline powder
Identification Positive
Loss on drying (285°C) ≤ 1.0 %
Chloride ≤ 10 ppm
Phosphate ≤ 10 ppm
Water-insoluble matter ≤ 100 ppm
Heavy metals (Pb) ≤ 5 ppm
Silicate ≤ 50 ppm
Total sulphur ≤ 30 ppm
Fe ≤ 5 ppm
K ≤ 50 ppm
Assay (alkalimetric) ≥ 99.5 % s.s.
Ca ≤ 300 ppm
Mg ≤ 50 ppm

Code	Size	Packaging	Notes
479305	100 g	Plastic bottle	
479306	500 g	Plastic bottle	
479307	1 kg	Plastic bottle	
479301	5 kg	Plastic tank	
479302	25 kg	Drum	

Sodium carbonate anhydrous > ERBApharm - According to pharmacopoeia: Ph.Eur.-NF

ERBApharm

Description	White crystalline powder	Alkali hydroxides and bicarbonates Conform Ph.Eur.	As	≤ 5 ppm	Assay (acidimetric)	99.5 ÷ 100.5 %s.s.
Identification	Positive	Chloride	Fe	≤ 50 ppm		
Loss on drying	≤0.5 %	Heavy metals (Pb)		≤ 10 ppm		
Appearance of solution	Conform Ph.Eur.	Sulphate	Residue solvents	Conform USP-NF		

Code	Size	Packaging	Notes
367707	1 kg	Plastic bottle	
367703	5 kg	Plastic tank	
367705	25 kg	Plastic bucket	
367704	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium carbonate decahydrate

• Sodio carbonato decaidrato • Sodium carbonate décahydraté • Sodio carbonato decahidrato • Sodium carbonate decahydrate

Na₂CO₃·10H₂O
Molecular Weight: 286,14
CAS: 6132-02-1
EEC-N: 207-838-8



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Sodium carbonate decahydrate > RPE - For analysis - ISO

RPE

Description	White crystals	Phosphate	≤5 ppm	Total sulphur	≤10 ppm	K	≤50 ppm
Identification	Positive	Water-insoluble matter	≤25 ppm	Al	≤5 ppm	Mg	≤2 ppm
Free alkalis (NaOH)	≤400 ppm	Heavy metals (Pb)	≤3 ppm	As	≤0.1 ppm	Ni	≤2 ppm
Total nitrogen	≤5 ppm	Subst. ppt by NH ₄ OH	≤100 ppm	Ca	≤20 ppm	Pb	≤2 ppm
Bicarbonate	≤0.2 %	Reducing iodine	≤50 ppm	Cu	≤2 ppm	Zn	≤2 ppm
Chloride	≤5 ppm	Silicate	≤20 ppm	Fe	≤2 ppm	Assay (alkalimetric)	≥99.5 %

Code	Size	Packaging	Notes
479125	100 g	Plastic bottle	
479126	500 g	Plastic bottle	
479127	1 kg	Plastic bottle	
479121	5 kg	Plastic tank	
479122	25 kg	Plastic bucket	

Sodium carbonate decahydrate > ERBApharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White crystalline powder	Alc. hydroxides + bicar.	Conform Ph.Eur.	Sulphate	≤100 ppm	Assay (alkalimetric) 36.7 ÷ 40.0 % Na ₂ CO ₃
Identification	Positive	Chloride	≤50 ppm	As	≤2 ppm	
Appearance of solution	Conform Ph.Eur.	Heavy metals (Pb)	≤20 ppm	Fe	≤20 ppm	

Code	Size	Packaging	Notes
367608	1 kg	Plastic bottle	
367609	5 kg	Plastic tank	
367601	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium carbonate monohydrate

• Sodio carbonato monoidrato • Sodium carbonate monohydraté • Sodio carbonato monohidrato • Natriumcarbonat-Monohydrat

Synonym:
Carbonic acid disodium salt

Na₂CO₃·H₂O
Molecular Weight: 105,99
CAS: 5968-11-6
EEC-N: 207-838-8



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Sodium carbonate monohydrate > RS - For analysis according to Ph. Eur. Chap. 4.2.1

RS

Code	Size	Packaging	Notes
612000500	50 g	Plastic bottle	Ref Ph.Eur 2000500

Sodium carbonate monohydrate > RPE - For analysis - ACS**RPE**

Description	White, granular crystals	Chloride	≤ 10 ppm	Mg	≤ 50 ppm	K	≤ 50 ppm
Identification	Positive	Phosphate	≤ 5 ppm	Silicate	≤ 50 ppm	Assay (alkalimetric)	≥ 99.5 %
Loss on drying	13.0 ÷ 15.0 %	Water-insoluble matter	≤ 100 ppm	Total sulphur	≤ 40 ppm		
Ca	≤ 0.03 %	Heavy metals (Pb)	≤ 5 ppm	Fe	≤ 5 ppm		

Code	Size	Packaging	Notes
479255	100 g	Plastic bottle	
479256	500 g	Plastic bottle	
479257	1 kg	Plastic bottle	

Sodium carbonate monohydrate > ERBapharm - According to pharmacopoeia: FU-Ph.Eur.-Ph.Franc.**ERBapharm**

Description	White crystalline powder	Alkali hydroxides and bicarbonates Conform Ph.Eur.	Sulphate	≤ 250 ppm	Fe	≤ 50 ppm
Identification	Positive	Chloride	Heavy metals (Pb)	≤ 50 ppm	Assay (alkalimetric)	83.0 ÷ 87.5 %
Appearance of solution	Conform Ph.Eur.		As	≤ 5 ppm		

Code	Size	Packaging	Notes
367691	1 kg	Plastic bottle	
367692	5 kg	Plastic tank	
367693	25 kg	Plastic bucket	
367694	50 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium carbonate 0.5 mol/l (1N)**

- Sodio carbonato 0.5 mol/l (1N) • Sodium carbonate 0.5 mol/l (1N) • Sodio carbonato 0.5 mol/l (1N)
- Natriumcarbonat 0.5 mol/l (1N)

Synonym:

- *Calcined soda*
- *Carbonic acid disodium salt*

Molecular Weight: 105,99

HEU210

Sodium carbonate 0.5 mol/l (1N) > RPE - For analysis**RPE**

Description	Clear colourless liquid	Assay (potentiometry)	0.998 - 1.002 N
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Code	Size	Packaging	Notes
479186	500 ml	Plastic bottle	

52,995 g of Na₂CO₃. Volumetric solution ready-to-use

**Sodium carbonate 0.05 mol/l (0.1N)**

- Sodio carbonato 0.05 mol/l (0.1N) • Sodium carbonate 0.05 mol/l (0.1N) • Sodio carbonato 0.05 mol/l (0.1N)
- Natriumcarbonat 0.05 mol/l (0.1N)

Synonym:

- *Calcined soda*
- *Carbonic acid disodium salt*

HEU210

Sodium carbonate 0.05 mol/l (0.1N) > RPE - NORMEX - For analysis**RPE**

Description	Clear colourless liquid	Identification	Positive	Titration factor	0.995 ÷ 1.005
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Code	Size	Packaging	Notes
479211		Plastic ampoule	Volume: 55 ml

5,299 g of Na₂CO₃. Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Sodium carbonate solution 20%

- Sodio carbonato soluzione 20% • Sodium carbonate solution 20% • Sodio carbonato solución 20%
- Natriumcarbonat 20%

- Synonym:
- *Calcined soda*
 - *Carbonic acid disodium salt*

HEU210

Sodium carbonate solution 20% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C 1.072 ÷ 1.078

Code	Size	Packaging	Notes
479151	1 l	Plastic bottle	

Mass percentage based on Na₂CO₃·10H₂O content



Sodium carbonate solution

- Sodio carbonato soluzione • Sodium carbonate anhydrous solution • Sodio carbonato solución
- Natriumcarbonat wasserfreie Lösung

- Synonym:
- *Calcined soda*
 - *Carbonic acid disodium salt*



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Sodium carbonate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611079301	1 l	Plastic bottle	A 106 g/l solution ref Ph.Eur 1079301



Sodium chloride

- Sodio cloruro • Sodium chlorure • Sodio cloruro • Natriumchlorid

- Synonym:
- *Halite*

NaCl
Molecular Weight: 58,44
CAS: 7647-14-5
EEC-N: 231-598-3

Sodium chloride > RS - For environmental analysis

RS

Description White crystals Identification Positive Hg ≤0.005 ppm Assay (argentimetric) ≥99.5 %

Code	Size	Packaging	Notes
479671	100 g	Glass bottle	

Low content in Hg

Sodium chloride > RS - For analysis according to Ph. Eur. Chap. 4.2.1

RS

Code	Size	Packaging	Notes
612000600	250 g	Plastic bottle	Ref Ph.Eur 2000600

Sodium chloride > RS - Standard for volumetry

RS

Description White crystals Identification Positive Assay ≥99.5 %

Code	Size	Packaging	Notes
479652	50 g	Glass bottle	

Sodium chloride > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description	White crystals	Nitrate, Chlorate (NO ₃)	≤ 30 ppm	Al	≤ 0.2 ppm	Mg	≤ 10 ppm
Identification	Positive	Phosphate	≤ 5 ppm	As	≤ 1 ppm	Assay (argentimetric)	99.0 ÷ 100.5 % s.s.
pH sol. 5% at 25° C	5.0 ÷ 9.0	Water-insoluble matter	≤ 50 ppm	Ca	≤ 20 ppm	Acidity or alkalinity	Conform
Loss on drying	≤ 0.5 %	Iodide	≤ 20 ppm	Ba	Conform	Nitrite	Conform
Appearance of solution	Conform	Heavy metals (Pb)	≤ 5 ppm	Fe	≤ 2 ppm	Ferrocyanide	≤ 1 ppm
Bromide	≤ 100 ppm	Sulphate	≤ 40 ppm	K	≤ 50 ppm	Magnesium and alkali metals	≤ 100 ppm

Code	Size	Packaging	Notes
479685	100 g	Plastic bottle	
479686	500 g	Plastic bottle	
479687	1 kg	Plastic bottle	
479689	5 kg	Plastic jar	
479681	25 kg	Plastic bucket	

Sodium chloride > RPE - For analysis - According to ASTM B117 ISO 9227/2006**RPE**

Description	White crystalline powder	Loss on drying	≤ 0.5 %	Halogen (Iodide+Bromide+fluoride)	≤ 0.1 %	Nal	≤ 0.1 %
Identification	Positive	Cu	≤ 0.3 ppm	Impurezze totali	≤ 0.3 % s.s.		
Heavy metals (Pb)	≤ 5 ppm	Ni	≤ 10 ppm	Assay (argentimetric)	≥ 99.8 % s.s.		

Code	Size	Packaging	Notes
479663	1 kg	Plastic bottle	
479662	5 kg	Plastic bucket	
479661	25 kg	Plastic bucket	

For salt spray tests**Sodium chloride > ERBApharm - According to pharmacopoeia: Ph.Eur.- Microbiological tested****ERBApharm**

Description	White crystalline powder	Ferrocyanide	Pass test	Heavy metals (Pb)	≤ 5 ppm	Assay (argentimetric)	99.0 ÷ 100.5 % s.s.
Identification (I.R.)	Positive	Nitrite	Pass test	Sulphate	≤ 200 ppm	Total aerobic microbial count (TAMC)	≤ 100 CFU/g
Appearance of solution	Pass test	Loss on drying	≤ 0.5 %	Al	≤ 0.2 ppm	Total yeasts/mould count (TYMC)	≤ 10 CFU/g
Acidity or alkalinity	Pass test	Mg, alkal. earth met. (Ca)	≤ 100 ppm	As	≤ 1 ppm		
Barium	Pass test	Bromide	≤ 100 ppm	Fe	≤ 2 ppm		
Iodide	Pass test	Phosphate	≤ 25 ppm	K	≤ 500 ppm		

Code	Size	Packaging	Notes
368281	10 kg	Drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium chloride > ERBApharm-According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB****ERBApharm**

Description	White crystalline powder	Iodide	Conform Ph.Eur.	Bromide	≤ 100 ppm	As	≤ 1 ppm
Identification	Positive	Ferrocyanide	Conform Ph.Eur.	Phosphate	≤ 25 ppm	Fe	≤ 2 ppm
Appearance of solution	Conform Ph.Eur.	Nitrite	Conform Ph.Eur.	Heavy metals (Pb)	≤ 5 ppm	Assay (argentimetric)	99.0 ÷ 100.5 % s.s.
Acidity or alkalinity	Conform Ph.Eur.	Loss on drying	≤ 0.5 %	Sulphate	≤ 200 ppm		
Barium	Conform Ph.Eur.	Mg, alkal. earth met. (Ca)	≤ 100 ppm	Al	≤ 0.2 ppm		

Code	Size	Packaging	Notes
368257000	1 kg	Plastic bottle	
368253000	25 kg	Sack	
368256000	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium chloride > ERBApharm - According to pharmacopoeia: Ph.Eur.-FU-Ph.Franc.-BP-DAB-USP-JP****ERBApharm**

Description	White crystalline powder	Barium	Conform Ph.Eur.	Mg, alkal. earth met. (Ca)	≤ 100 ppm	Al	≤ 0.2 ppm
Identification	Positive	Iodide	Conform Ph.Eur.	Bromide	≤ 100 ppm	As	≤ 1 ppm
Appearance of solution	Conform Ph.Eur.	Ferrocyanide	Conform Ph.Eur.	Phosphate	≤ 25 ppm	Fe	≤ 2 ppm
Acidity or alkalinity	Conform Ph.Eur.	Nitrite	Conform Ph.Eur.	Heavy metals (Pb)	≤ 3 ppm	K	≤ 500 ppm
Residue solvents	Conform USP	Loss on drying	≤ 0.5 %	Sulphate	≤ 200 ppm	Assay (argentimetric)	99.0 ÷ 100.5 % s.s.

Code	Size	Packaging	Notes
368257	1 kg	Plastic bottle	
368259	5 kg	Plastic tank	
368253	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium chloride 5 mol/l (5N)

- Sodio cloruro 5 mol/l (5N) • Sodium chlorure 5 mol/l (5N) • Sodio cloruro 5 mol/l (5N)
- Natriumchlorid 5 mol/l (5N)

Synonym:
Halite

NaCl
Molecular Weight: 58,44
CAS: 7647-14-5

Sodium chloride 5 mol/l (5N) > RPE - For analysis

RPE

Clear, colourless liquid Conform Assay (potentiometry) 4.990 - 5.010 N

Code	Size	Packaging	Notes
502131	1 l	Plastic bottle	

Content is guaranteed for standardized volumes at 20 °C



Sodium chloride 0.1 mol/l (0,1N)

- Sodio cloruro 0.1 mol/l (0,1N) • Sodium chlorure 0.1 mol/l (0,1N) • Sodio cloruro 0.1 mol/l (0,1N)
- Natriumchlorid 0.1 mol/l (0,1N)

Synonym:
Halite

NaCl
Molecular Weight: 58,44
CAS: 7647-14-5

Sodium chloride 0.1 mol/l (0,1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
479781		Plastic ampoule	Volume: 55 ml

5,844 g NaCl. Volumetric concentrated solution to prepare 1 L of solution 0,1 N



Sodium citrate dibasic sesquihydrate

- Sodio citrato bibasico • Sodium citrate dibasique • Sodio citrato dibásico
- Dibasisches Natriumcitrat-Sesquihydrat

Synonym:
Citric acid disodium salt

$C_6H_6O_7Na_2 \cdot 1.5H_2O$
Molecular Weight: 263,1
CAS: 144-33-2
EEC-N: 205-623-3

Sodium citrate dibasic sesquihydrate > ERBApharm - According to pharmacopoeia: BP

ERBApharm

Description White crystalline powder pH solution 3% 4.9 ÷ 5.2 Oxalate ≤150 ppm Assay (acidimetric) 98.0 ÷ 104.0 %
Identification Positive Chloride ≤330 ppm Sulphate ≤0.12 % Origin (BSE/TSE) Vegetable
Readily carbonizable substances Conform BP Heavy metals (Pb) ≤20 ppm As ≤2 ppm Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
367951	1 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium citrate tribasic anhydrous

- Sodio citrato tribasico anidro • Sodium citrate tribasique anhydre • Sodio citrato tribásico anhidro • Natriumcitrat tribasisch wasserfrei

$Na_3C_6H_5O_7$
Molecular Weight: 258,12
CAS: 68-04-2
EEC-N: 200-675-3

Sodium citrate tribasic anhydrous > ERBApharm - According to pharmacopoeia: USP

ERBApharm

Description White crystalline powder Alkalinity Conform USP-NF Loss at 180°C ≤1.0 % Assay (protonometric) 99.0 ÷ 100.5 % s.s.
Identification Positive Tartrate Conform USP-NF Heavy metals (Pb) ≤10 ppm

Code	Size	Packaging	Notes
368107	1 kg	Plastic bottle	
368102	20 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium citrate tribasic dihydrate**

• Sodio citrato tribásico biidrato • Sodium citrate tribasique bihydraté • Sodio citrato tribásico dihidrato
• Natrium-basisches Citrat-Bihydrat

Synonym:

• *Trisodium citrate dihydrate*
• *Citric acid trisodium salt dihydrate*

$\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
Molecular Weight: 294,1
CAS: 6132-04-3
EEC-N: 200-675-3

Sodium citrate tribasic dihydrate > RPE - For analysis**RPE**

Description	White crystalline powder	Chloride	≤10 ppm	As	≤0.2 ppm	Pb	≤2 ppm
Identification	Positive	Total phosphorus	≤10 ppm	Ca	≤20 ppm	Zn	≤2 ppm
Reducing iodine	Conform	Water-insoluble matter	≤30 ppm	Cu	≤2 ppm	Assay (non-aqueous medium)	≥99 %
Ready carbonizable substances	Conform	Heavy metals (Pb)	≤5 ppm	Fe	≤5 ppm		
pH sol. 5% at 25° C	7.5 ÷ 8.7	Oxalate	≤100 ppm	K	≤250 ppm		
Ammonium	≤10 ppm	Total sulphur	≤20 ppm	Ni	≤2 ppm		

Code	Size	Packaging	Notes
479485	250 g	Plastic bottle	
479487	1 kg	Plastic bottle	
479488	2.5 kg	Plastic bottle	
479486	25 kg	Plastic bucket	
479484	50 kg	Plastic bucket	

Sodium citrate tribasic dihydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP-DAB**ERBApharm**

Description	White crystalline powder	Ready carbonizable substances	Conform	Chloride	≤50 ppm	Assay (protonometric) .99.0 ÷ 100.5 % s.s.
Identification	Positive	Ph.Eur.		Heavy metals (Pb)	≤10 ppm	
Appearance of solution	Conform Ph.Eur.	Tartrate	Conform USP-NF	Oxalate	≤300 ppm	
Acidity or alkalinity	Conform Ph.Eur.	Water (K.F)	11.0 ÷ 13.0 %	Sulphate	≤150 ppm	

Code	Size	Packaging	Notes
368057	1 kg	Plastic bottle	
368058	5 kg	Plastic tank	
368052	10 kg	Plastic tank	
368051	25 kg	Plastic bucket	
368054	50 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium cobalt nitrite**

• Sodio cobalto nitrito • Sodium cobalt nitrite • Sodio cobalto nitrito • Natriumkobaltnitrit

Synonym:

Sodium hexanitrocobaltate(III)

$\text{Na}_3\text{Co}(\text{NO}_2)_6$
Molecular Weight: 403,94
CAS: 13600-98-1
EEC-N: 237-077-7

Classification transport

ONU: 1479
Transport Hazard class: 5.1
Packing group II




**Danger**

H272-H315-H319-H334-H317-H351-H335
P210-P280-P284-P304+P340-P305+P351+P338-
P342+P311a-P403+P233

Sodium cobalt nitrite > RPE - For analysis**RPE**

Description	Dark orange powder	Identification	Positive	Diluted acetic acid insoluble matter . ≤ 0.02 %	Suitability for K determ.	Conform
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Code	Size	Packaging	Notes
479833	50 g	Glass bottle	

	Sodium cyanoborohydride		Synonym: <i>Sodium cyanotrihydridoborate</i>
	• Sodio cianoboroidruru • Sodium cyanoborohydruure • Sodio cianoborohidruo • Natrium-cyanoborhydrid		
Na(H ₃ BCN) Molecular Weight: 62,84 CAS: 25895-60-7 EEC-N: 247-317-2	Classification transport ONU: 1409 Transport Hazard class: 4.3 Packing group I	 	Danger H260-H314-HEU032 P223-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338




Sodium cyanoborohydride > RPE - For analysis

RPE

Description White powder Identification Positive Assay (iodometric) ≥90 % s s

Code	Size	Packaging	Notes
479371	25 g	Glass bottle	

Sodium 1-decanesulfonate ▶ 1-Decanesulfonic acid sodium salt




	Sodium dichloroisocyanurate dihydrate		Synonym: <i>Dichloroisocyanuric acid sodium salt dihydrate</i>
	• Sodio dicloroisocianurato biidrato • Sodium dichloroisocyanurate dihydraté • Sodio dicloroisocianurato dihidrato • Natriumdichlorisocyanatdihydrat		
C ₃ Cl ₂ N ₃ NaO ₃ ·2H ₂ O Molecular Weight: 255,98 CAS: 51580-86-0 EEC-N: 220-767-7	Classification transport ONU: 3077 Transport Hazard class: 9 Packing group III	 	Warning H302-H319-H335-H410-HEU031 P261-P271-P304+P340-P305+P351+P338-P337+P313-P403+P233

Sodium dichloroisocyanurate dihydrate > RPE - For analysis

RPE

Description White granular powder Identification Positive Assay ≥ 98.0 %

Code	Size	Packaging	Notes
479921	10 g	Glass bottle	

	Sodium diethyldithiocarbamate trihydrate		Synonym: <i>Diethyldithiocarbamic acid sodium salt</i>
	• Sodio dietilditiocarbammato triidrato • Sodium diéthyldithiocarbamate trihydraté • Sodio dietilditiocarbamatotrihidrato • Natriumdiethyldithiocarbaminat-Trihydrat		
(C ₂ H ₅) ₂ NCSSNa·3H ₂ O Molecular Weight: 225,23 CAS: 20624-25-3	Classification transport ONU: 3077 Transport Hazard class: 9 Packing group III	 	Warning H302-H315-H319-H335-H400 P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

Sodium diethyldithiocarbamate trihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Whyte-yellow crystals Copper sensitivity Conform Sodium (Na2S04) 30.5 ± 32.5 %
Identification (I.R.) Conform Water solubility Conform

Code	Size	Packaging	Notes
405144	100 g	Plastic bottle	

Indicator for the determination of heavy metals

Sodium dihydrogen phosphate dihydrate ▶ Sodium phosphate monobasic dihydrate

Sodium dihydrogen phosphate monohydrate ▶ Sodium phosphate monobasic monohydrate

Sodium dithionite ▶ Sodium hydrosulfite

Sodium 1-dodecanesulfonate ▶ 1-Dodecanesulfonic acid sodium salt

Sodium dodecylbenzenesulfonate ▶ Dodecylbenzenesulphonic acid sodium salt

Sodium dodecyl sulfate ▶ Sodium laurylsulfate

**Sodium fluoride**

• Sodio fluoruro • Sodium fluorure • Sodio fluoruro • Natriumfluorid

NaF

Molecular Weight: 41,99

CAS: 7681-49-4

EEC-N: 231-667-8

Classification transport

ONU: 1690

Transport Hazard class: 6.1

Packing group III

**Danger**

H301-H315-H319-HEU032

P301+P310a-P330-P305+P351+P338-P362+P364-P332+P313-P337+P313

Sodium fluoride > RPE - For analysis - ACS - ISO**RPE**

Description	White crystalline powder	Alcalinity	≤0.01 meq/g	Heavy metals (Pb)	≤30 ppm	K	≤200 ppm
Identification	Positive	Chloride	≤50 ppm	Sulphate	≤300 ppm	Assay (acidimetric)	≥99 %
Loss on drying	≤0.3 %	Fluosilicates	≤0.1 %	Sulphite	≤50 ppm		
Acidity	≤0.03 meq/g	Water-insoluble matter	≤200 ppm	Fe	≤30 ppm		

Code	Size	Packaging	Notes
479955	250 g	Plastic bottle	
479957	1 kg	Plastic bottle	
479954	25 kg	Plastic bucket	

Sodium fluoride > RE - Pure**RE**

Description	White crystalline powder	Chloride	≤ 100 ppm	Sulphate	≤ 5000 ppm	Assay	≥ 97 %
Identification	Positive	Heavy metals (Pb)	≤ 100 ppm	Fe	≤ 200 ppm		

Code	Size	Packaging	Notes
368457	1 kg	Plastic bottle	
368458	5 kg	Plastic tank	
368451	25 kg	Plastic bucket	

**Sodium formate**

• Sodio formiato • Sodium formiate • Sodio formiato • Natriumformiat

Synonym:

Formic acid sodium salt

HCOONa

Molecular Weight: 68,01

CAS: 141-53-7

EEC-N: 205-488-0

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Sodium formate > RPE - For analysis - ACS**RPE**

Description	White crystalline powder	Chloride	≤ 10 ppm	Fe	≤ 5 ppm
Identification	Positive	Sulphate	≤ 10 ppm	Heavy metals (Pb)	≤ 5 ppm
Not soluble matter	≤ 50 ppm	Ca	≤ 50 ppm	Assay (oxidimetric)	> 99.0 %

Code	Size	Packaging	Notes
480045	100 g	Plastic bottle	
480046	500 g	Plastic bottle	



Sodium gluconate

• Sodio gluconato • Sodium gluconate • Sodio gluconato • Natriumgluconat

Synonym:

- 2,3,4,5,6-Pentahydroxycaproic acid sodium salt
- D-gluconate sodium salt

$C_6H_{11}NaO_7$
Molecular Weight: 218,13
CAS: 527-07-1
EEC-N: 208-407-7

Sodium gluconate > RE - Pure

RE

Description White powder Chloride..... ≤500 ppm Assay (non-aqueous medium) ≥98 %
Identification Positive Red.ing sugars(Glucose) ≤1 %

Code	Size	Packaging	Notes
369582	1 kg	Plastic bottle	
369581	10 kg	Carton box	



Sodium glutamate acid

• Sodio glutammato acido • Sodium glutamate • Sodio glutamato acido • Natriumglutamatsäure

Synonym:

- L-Glutamic acid monosodium salt hydrate
- L-2-Aminopentanedioic acid

$C_5H_8NO_4Na \cdot H_2O$
Molecular Weight: 187
CAS: 142-47-2
EEC-N: 205-538-1

Sodium glutamate acid > RE - Pure

RE

Description White cryst. need.sha Identification Positive Potere rotator. specif.(C=1 HCl 6N).. +23 ÷ +25.3 ° Assay (ex nitrogen) ≥ 98 %

Code	Size	Packaging	Notes
369667	1 kg	Plastic bottle	
369663	25 kg	Plastic bucket	



Sodium glycerophosphate pentahydrate

• Sodio glicerofosfato pentaidrato • Sodium glycérophosphate pentahydraté
• Sodio glicerofosfato pentahidrato • Natriumglycerophosphatpentahydrat

Synonym:

- Glycerol-2-phosphate disodium salt hydrate
- BGP

$C_3H_7O_8PNa_2 \cdot 5H_2O$
Molecular Weight: 306
CAS: 13408-09-8

Sodium glycerophosphate pentahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.

ERBApharm

Description White crystalline powder Fe ≤ 20 ppm Chloride..... ≤ 0.02 % Assay 98.0 ÷ 105.0 % anidro
Identification Positive Appearance of solution Conform Ph.Eur. Glycerol and alcohol-soluble substances... ≤ 1.0 %
Phosphate ≤ 0.1 % Alkalinity Conform Ph.Eur. Sulphate ≤ 0.05 %
Heavy metals (Pb)..... ≤ 20 ppm Water (K.F) 25.0 ÷ 35.0 %

Code	Size	Packaging	Notes
369447	1 kg	Plastic bottle	
369449	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Sodium 1-heptanesulfonate ▶ 1-Heptanesulphonic acid sodium salt

**Sodium hexafluorosilicate**

• Sodio esafluorosilicato • Sodium hexafluorosilicate • Sodio hexafluorosilicato • Natriumhexafluorosilikat

Na₂SiF₆

Molecular Weight: 188,06

CAS: 16893-85-9

EEC-N: 240-934-8

Classification transport

ONU: 2674

Transport Hazard class: 6.1

Packing group III

**Danger**

H301-H311-H331

P261-P304+P340-P311a-P330-P361+P364-

P403+P233

Sodium hexafluorosilicate > RPE - For analysis**RPE**

Description White crystalline powder Chloride.....≤200 ppm Heavy metals (Pb).....≤50 ppm Assay (acidimetric) ≥98.5 %
 Identification Positive Sulphate.....≤200 ppm Fe≤50 ppm

Code	Size	Packaging	Notes
480005	250 g	Plastic bottle	

**Sodium hexametaphosphate**

• Sodio esametafosfato • Sodium hexamétaphosphate • Sodio hexametafosfato • Natriumhexametaphosphat

Synonym:

Sodium metaphosphate(NaPO₃)₆

Molecular Weight: 611,76

CAS: 10124-56-8

EEC-N: 233-343-1

Sodium hexametaphosphate > RE - Pure**RE**

Description white hygroscopic powder pH (1% solution)..... 5.8 ÷ 6.5 Fe≤500 ppm
 Identification Positive Water insoluble substances.....≤ 0.06 % Assay (as P2O3).....≥ 68 %

Code	Size	Packaging	Notes
368357	1 kg	Plastic bottle	
368351	10 kg	Plastic tank	
368352	25 kg	Plastic bucket	

Sodium 1-hexanesulfonate ▶ 1-Hexanesulphonic acid sodium salt

Sodium 1-hexanesulfonate monohydrate ▶ 1-Hexanesulphonic acid sodium salt monohydrate

Sodium hexanitrocobaltate(III) ▶ Sodium cobalt nitrite

Sodium hydrogen carbonate ▶ Sodium bicarbonate

di-Sodium hydrogen phosphate ▶ Sodium phosphate dibasic anhydrous

di-Sodium hydrogen phosphate dihydrate ▶ Sodium phosphate dibasic dihydrate

di-Sodium hydrogen phosphate dodecahydrate ▶ Sodium phosphate dibasic dodecahydrate

Sodium hydrogen sulfate monohydrate ▶ Sodium bisulfate monohydrate



Sodium hydrogen tartrate monohydrate

• Sodio tartrato acido • Sodium tartrate acide • Sodio tartrato acido • Natriumhydrogentartratmonohydrat

Synonym:
Sodium bitartrate monohydrate

NaOOC(CHOH)₂COOH.H₂O
Molecular Weight: 190,09
CAS: 526-94-3
EEC-N: 208-400-9

Sodium hydrogen tartrate monohydrate > RPE - For analysis

RPE

Description	White crystals	Chloride.....	≤ 10 ppm	As	≤ 0.4 ppm	Ni.....	≤ 2 ppm
Identification	Positive	Total phosphorus.....	≤ 10 ppm	Ca	≤ 100 ppm	Pb.....	≤ 2 ppm
pH sol. 5% at 25° C.....	3.30 ÷ 3.60	Water-insoluble matter	≤ 50 ppm	Cu.....	≤ 2 ppm	Zn.....	≤ 2 ppm
Loss on drying	9 ÷ 10 %	Heavy metals (Pb).....	≤ 10 ppm	Fe	≤ 10 ppm	Assay (acidimetric)	≥ 99.5 %
Ammonium.....	≤ 50 ppm	Total sulphur	≤ 50 ppm	K.....	≤ 100 ppm		

Code	Size	Packaging	Notes
483706	500 g	Plastic bottle	
483703	25 kg	Fibre drum	



Sodium hydrosulfite

• Sodio idrosolfito • Sodium hydrosulfite • Sodio idrosolfito • Natriumdithionit

Synonym:
Sodium dithionite

Na₂S₂O₄
Molecular Weight: 174,11
CAS: 7775-14-6
EEC-N: 231-890-0

Classification transport

ONU: 1384
Transport Hazard class: 4.2
Packing group II



Danger

H251-H319-HEU031
P235-P264-P280-P305+P351+P338-
P337+P313-P420

Sodium hydrosulfite > RE - Pure

RE

Description	White crystalline powder	Identification	Positive	Assay (oxidimetric)	≥ 80 %
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Code	Size	Packaging	Notes
370011	1 kg	Metallic can	
370014	2.5 kg	Metallic can	



Sodium hydroxide, pearls

• Sodio idrossido, perline • Sodium hydroxyde, perles • Sodio hidróxido, perlas • Natriumhydroxid, Perlen

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport

ONU: 1823
Transport Hazard class: 8
Packing group II



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide, pearls > ERBApharm - According to pharmacopoeia: Ph.Eur.-NF

ERBApharm

Description	Pearls white	pH.....	≥ 11.0	Sulphate	≤ 200 ppm	Origin (BSE/TSE).....	Synthesis
Identification	Positive	Carbonate.....	≤ 2.0 %	Fe	≤ 10 ppm	Residual solvents (Current ICH).....	Conform
Appearance of solution.....	Conform Ph. Eur.	Chloride.....	≤ 200 ppm	Assay (total alkalinity)	97.0 ÷ 100.5 %		
Not sol.matter,org.mat.....	Conform NF	Heavy metals (Pb).....	≤ 20 ppm	Content of sodium	54.0 ÷ 59.8 %		

Code	Size	Packaging	Notes
369743	1 kg	Plastic bottle	
369741	5 kg	Plastic tank	
369742	25 kg	Sack	
369744	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium hydroxide, pellets**

• Sodio idrossido, gocce • Sodium hydroxyde, pastilles • Sodio hidróxido, lentejas • Natriumhydroxid, Pellets

Synonym:
Caustic sodaNaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5**Classification transport**
ONU: 1823
Transport Hazard class: 8
Packing group II**Danger**
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Sodium hydroxide, pellets > RS - RSE - For electronic use****RS**

Description	White pellets	Heavy metals (Pb).....	≤2 ppm	Cd	≤0.1 ppm	Mn	≤0.5 ppm
Identification	Positive	Silicate	≤20 ppm	Cu	≤0.5 ppm	Ni	≤2 ppm
Total nitrogen	≤3 ppm	Sulphate	≤5 ppm	Fe	≤3 ppm	Pb	≤1 ppm
Carbonate.....	≤5000 ppm	Al	≤2 ppm	Hg	≤0.1 ppm	Zn	≤1 ppm
Chloride.....	≤10 ppm	As	≤0.5 ppm	K.....	≤100 ppm	Assay (alkalimetric).....	≥98.5 %
Phosphate	≤5 ppm	Ca	≤5 ppm	Mg	≤5 ppm		

Code	Size	Packaging	Notes
480527	1 kg	Plastic bottle	
480522	5 kg	Plastic jar	
480525	25 kg	Plastic bucket	

Sodium hydroxide, pellets > RPE - For analysis - ACS - ISO**RPE**

Description	White pellets	Chloride.....	≤ 50 ppm	Ca	≤ 50 ppm	Mg	≤ 20 ppm
Identification	Positive	Phosphate	≤ 10 ppm	Fe	≤ 10 ppm	Ni	≤ 10 ppm
Total nitrogen	≤ 10 ppm	Sulphate	≤ 30 ppm	Hg	≤ 0.1 ppm	Assay (alkalimetric).....	≥ 97.0 %
Carbonate.....	≤ 1.0 %	Heavy metals (Ag)	≤ 20 ppm	K.....	≤ 0.02 %		

Code	Size	Packaging	Notes
480505	100 g	Plastic bottle	
480501	500 g	Plastic bottle	
480507	1 kg	Plastic bottle	
480509	5 kg	Plastic jar	
480502	10 kg	Plastic tank	
480508	25 kg	Plastic bucket	

Sodium hydroxide, pellets > ERBApharm - According to pharmacopoeia: BP-NF-Ph.Eur.-JP**ERBApharm**

Description	white or almost white pellets	pH.....	≥11.0	Fe	≤10 ppm	Assay (total alkalinity)	97.0 ÷ 100.5 %
Identification	Positive	Carbonate.....	≤2.0 %	K.....	≤ 0.5 %	Content of sodium.....	54.0 - 59.8 %
Appearance of solution	Conform Ph.Eur.	Chloride.....	≤200 ppm	Sulphate	≤200 ppm	Origin (BSE/TSE).....	Synthesis
Not sol.matter.org.mat.	Conform USP-NF	Heavy metals (Pb).....	≤ 30 ppm (JP)	Hg	≤ 0.1 ppm	Residual solvents (Current ICH).....	Conform

Code	Size	Packaging	Notes
369777	1 kg	Plastic bottle	
369772	5 kg	Plastic tank	
369771	20 kg	Plastic bucket	
369774	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium hydroxide on silica

- Sodio idrossido su silice • Sodium hydroxyde sur silice • Sodio hidróxido sobre sílice
- Natriumhydroxid auf Kieselgel

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2

Classification transport
ONU: 1823
Transport Hazard class: 8
Packing group II



Danger
H314-H335
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Sodium hydroxide on silica > RS - For microanalysis

RS

DescriptionDark grey granules IdentificationPositive Average grain diameter..... 1.6 ÷ 3 mm ca. CO2 absorption..... ≥30 %

Code	Size	Packaging	Notes
424494	100 g	Glass bottle	
424497	1 kg	Plastic bottle	



Sodium hydroxide solution 50%

- Sodio idrossido soluzione 50% • Sodium hydroxyde solution 50% • Sodio hidróxido solución 50%
- Natronlauge 50 %

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 50% > RPE - For analysis

RPE

Assay 48 - 51.5 % Density d20/4 1.5 - 1.54 NaCl ≤ 0.02 %
Iron (Fe) ≤ 15 mg/Kg Na2CO3 ≤ 0.7 %

Code	Size	Packaging	Notes
P4540041	10 l	Plastic tank	
P4540049	25 l	Plastic tank	



Sodium hydroxide solution 40%

- Sodio idrossido soluzione 40% • Sodium hydroxyde solution 40% • Sodio hidróxido solución 40%
- Natronlauge 40%

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 40% > RS - For agroalimentary analysis

RS

Colour ≤ 10 APHA Density at 20°C 1.420 ÷ 1.440 Total nitrogen ≤ 10 ppm
Description Clear colourless liquid Assay 39.0 ÷ 41.0 %

Code	Size	Packaging	Notes
502721	5 l	Plastic tank	
502722	10 l	Plastic tank	

572 g of NaOH for 1 L

**Sodium hydroxide solution 35-37%**

• Sodio idrossido soluzione 35-37% • Sodium hydroxide solution 35-37% • Sodio hidróxido solución 35-37%
• Natronlauge 35-37%

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 35-37% > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Colour ≤ 10 APHA Density at 20°C 1.380 ÷ 1.400 Nitrogen compounds ≤ 10 ppm

Code	Size	Packaging	Notes
502112	5 l	Plastic tank	

500g of NaOH for 1L . According to normative T90-110**Sodium hydroxide solution 35%**

• Sodio idrossido soluzione 35% • Sodium hydroxide solution 35% • Sodio hidróxido solución 35%
• Natronlauge 35 %

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 35% > RPE - For analysis**RPE**

Density d20/4 1.38 - 1.39 Assay 35 - 36 % Assay (alkalimetric) 35 - 36 %
Description Clear colourless liquid Density at 20° C 1.38 - 1.39

Code	Size	Packaging	Notes
480591	1 l	Plastic bottle	
480593	25 kg	Plastic tank	

**Sodium hydroxide solution 32%**

• Sodio idrossido soluzione 32% • Sodium hydroxide solution 32% • Sodio hidróxido solución 32%
• Natronlauge 32%

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 32% > RS - For agroalimentary analysis**RS**

Assay 30 - 34 % Density at 20°C 1.322 - 1.374 Fe ≤ 10 ppm

Code	Size	Packaging	Notes
524510	25 kg	Plastic tank	

Sodium hydroxide solution 32% > RS - For Kjeldahl**RS**

Description Slightly opalescent liquid Assay 31.0 - 33.0 % Nitrogen compounds ≤ 1 ppm
Colour ≤ 10 APHA Density at 20°C 1.339 - 1.359

Code	Size	Packaging	Notes
480561	1 l	Plastic bottle	
480566	2.5 l	Plastic bottle	
526521	5 l	Plastic tank	
480564	10 l	Plastic tank	
480562	25 kg	Plastic tank	
480563	30 kg	Plastic tank	



Sodium hydroxide solution 30%

• Sodio idrossido soluzione 30% • Sodium hydroxide solution 30% • Sodio hidróxido solución 30%
• Natronlauge 30%

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 30% > RS - For agroalimentary analysis

RS

Description Slightly opalescent liquid Colour ≤ 10 APHA Density at 20°C ≥ 1.323

Code	Size	Packaging	Notes
502741	5 l	Plastic tank	

Sodium hydroxide solution 30% > RPE - For analysis

RPE

Na2CO3 ≤ 0.5 % Chloride (Cl-) ≤ 10 mg/Kg Sodium hydroxide content 30 - 31 %
Silicate (as SiO2) ≤ 30 mg/Kg Rapprochement BA/FT Conform

Code	Size	Packaging	Notes
P1050552	30 l	Plastic tank	

Sodium hydroxide solution 30% > RPE - For nitrogen dosing

RPE

Description Clear colourless liquid Density at 20°C 1.323 ÷ 1.333 Assay 29.5 ÷ 30.5 %
Colour ≤ 10 APHA Total nitrogen ≤ 1 ppm

Code	Size	Packaging	Notes
502731	1 l	Plastic bottle	

Sodium hydroxide solution 30% > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Description Clear colourless liquid Density at 20°C 1.311 ÷ 1.344 Iron ≤ 10 ppm Assay 29.5 ÷ 30.5 %
Colour ≤ 10 APHA Chloride ≤ 200 ppm Heavy metals (Pb) ≤ 20 ppm
Identification Positive Sulphate ≤ 200 ppm Carbonate ≤ 0.6 %

Code	Size	Packaging	Notes
369704	1 l	Plastic bottle	
369702	20 l	Plastic tank	
369701000	10 kg	Plastic tank	
369706	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Sodium hydroxide solution 30% > RE - Pure

RE

Description Opalescent liquid Density at 20°C 1.306 - 1.349 Carbonate ≤ 1.2 % Sulphate ≤ 150 ppm
Identification Positive Alkalinity (NaOH) 28.0 ÷ 32.0 % Chloride ≤ 300 ppm Fe ≤ 30 ppm

Code	Size	Packaging	Notes
369762	10 kg	Plastic tank	
369761	30 kg	Plastic tank	
369766	50 kg	Plastic tank	

**Sodium hydroxide solution 20% w/v**

- Sodio idrossido soluzione 20% p/v • Sodium hydroxide solution 20% m/v
- Sodio hidróxido solución 20% p/v • Natronlauge 20% w/v

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 20% w/v > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611081401	1 l	Plastic bottle	Ref Ph.Eur 1081401

Sodium hydroxide solution 20% w/v > RPE - For analysis**RPE**

Description Slightly opalescent liquid Colour ≤ 10 APHA Assay (NaOH) 19.9 ÷ 20.1 %m/v

Code	Size	Packaging	Notes
524505	10 l	Plastic tank	

**Sodium hydroxide solution 20% w/w**

- Sodio idrossido soluzione 20% p/p • Sodium hydroxide solution à 20% m/m • Sodio hidróxido solución 20% p/p • Natronlauge 20% w/w

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 20% w/w > RPE - For analysis**RPE**

Description Clear colourless liquid Density at 20° C 1.213 - 1.225 Assay (alkalimetric) 19.5 - 20.5 % Carbonate ≤1 %

Code	Size	Packaging	Notes
480621	1 l	Plastic bottle	
480622	30 kg	Plastic tank	

Sodium hydroxide solution 20% w/w > ERBAPharm - Prepared from raw material according Ph.Eur**ERBAPharm**

Description Clear colourless liquid Assay (alkalimetric) 19.5 - 20.5 % Origine (BSE-TSE) Conform
Density at 20° C 1.213 - 1.225 Carbonate ≤1 % Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
480631	1 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium hydroxide solution 10% w/v**

- Sodio idrossido soluzione 10% p/v • Sodium hydroxide solution 10% m/v
- Sodio hidróxido solución 10% p/v • Natronlauge 10% w/v

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 10% w/v > RS - For agroalimentary analysis**RS**

Description Slightly opalescent liquid Identification Positive Assay (NaOH) 9 - 11 %m/v

Code	Size	Packaging	Notes
508615	5 l	Plastic tank	

Sodium hydroxide solution 10% w/v > RPE - For analysis

RPE

Description Slightly opalescent liquid Colour ≤ 10 APHA Assay (NaOH) 9.9 ÷ 10.1 %m/v

Code	Size	Packaging	Notes
524506	5 l	Plastic tank	
524507	10 l	Plastic tank	

Sodium hydroxide solution 10% w/v > RE - Pure

RE

Description Slightly opalescent liquid Colour ≤ 10 APHA Assay (NaOH) 9.5 ÷ 10.5 %m/v

Code	Size	Packaging	Notes
526642	5 l	Plastic tank	
526641	10 l	Plastic tank	
526644	50 l	Plastic tank	



Sodium hydroxide solution 5% w/v

 • Sodio idrossido soluzione 5% p/v • Sodium hydroxyde solution 5% m/v • Sodio hidróxido solución 5% w/v
 • Natronlauge 5% w/v

 Synonym:
 Caustic soda

 NaOH
 Molecular Weight: 40
 CAS: 1310-73-2
 EEC-N: 215-185-5

Classification transport
 ONU: 1824
 Transport Hazard class: 8
 Packing group II

Danger
 H290-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Sodium hydroxide solution 5% w/v > RPE - For analysis

RPE

Description Slightly opalescent liquid Colour ≤ 10 APHA Assay (NaOH) 4.9 ÷ 5.1 %m/v

Code	Size	Packaging	Notes
524502	5 l	Plastic tank	
524501	10 l	Plastic tank	

Sodium hydroxide solution 5% w/v > RE - Pure

RE

Description Slightly opalescent liquid Colour ≤ 10 APHA Assay (NaOH) 4.5 - 5.5 %m/v

Code	Size	Packaging	Notes
526632	5 l	Plastic tank	
526634	10 l	Plastic tank	



Sodium hydroxide 6 mol/l (6N)

• Sodio idrossido 6 mol/l (6N) • Sodium hydroxyde 6 mol/l (6N) • Sodio hidróxido 6 mol/l (6N) • Natronlauge 6 mol/l (6N)

 NaOH
 Molecular Weight: 40
 CAS: 1310-73-2
 EEC-N: 215-185-5

Classification transport
 ONU: 1824
 Transport Hazard class: 8
 Packing group II

Danger
 H290-H314
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Sodium hydroxide 6 mol/l (6N) > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Assay (potentiometry) 5.982 - 6.018 N Colour ≤ 100 Hazen

Code	Size	Packaging	Notes
524651	2 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium hydroxide 5 mol/l (5N)**

- Sodio idrossido 5 mol/l (5N) • Sodium hydroxyde 5 mol/l (5N) • Sodio hidróxido 5 mol/l (5N)
- Natronlauge 5 mol/l (5N)

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide 5 mol/l (5N) > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Assay 4.995 ÷ 5.005 N

Code	Size	Packaging	Notes
526513	1 l	Plastic bottle	
526512	5 l	Plastic tank	

Content is guaranteed for standardized volumes at 20°C

**Sodium hydroxide 4 mol/l (4N)**

- Sodio idrossido 4 mol/l (4N) • Sodium hydroxyde 4 mol/l (4N) • Sodio hidróxido 4 mol/l (4N) • Natronlauge 4 mol/l (4N)

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide 4 mol/l (4N) > RPE - For agroalimentary analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 3.992 - 4.008 N

Code	Size	Packaging	Notes
502662	2.5 l	Plastic bottle	
502664	10 l	Plastic tank	

**Sodium hydroxide 3 mol/l (3N)**

- Sodio idrossido 3 mol/l (3N) • Sodium hydroxyde 3 mol/l (3N) • Sodio hidróxido 3 mol/l (3N)
- Natronlauge 3 mol/l (3N)

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II




Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide 3 mol/l (3N) > ERBApharm - Prepared from raw material according Ph.Eur**ERBApharm**

Identification (Ph.Eur).....Conform Assay (Ph.Eur).....2.85 - 3.15 N Origine (BSE-TSE).....Conform Residual solvents (Current ICH).....Conform

Code	Size	Packaging	Notes
524732	500 ml	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Sodium hydroxide 2 mol/l (2N)	Synonym: <i>Caustic soda</i>
	<ul style="list-style-type: none"> • Sodio idrossido 2 mol/l (2N) • Sodium hydroxyde 2 mol/l (2N) • Sodio hidróxido 2 mol/l (2N) • Natronlauge 2 mol/l (2N) 	

NaOH Molecular Weight: 40 CAS: 1310-73-2 EEC-N: 215-185-5	Classification transport ONU: 1824 Transport Hazard class: 8 Packing group II	 Danger H290-H314 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Sodium hydroxide 2 mol/l (2N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 1.998 - 2.002 N NIST 84

Code	Size	Packaging	Notes
480686000	500 ml	Plastic bottle	Certified with NIST traceability
480687000	1 l	Plastic bottle	Certified with NIST traceability
480682000	5 l	Plastic tank	Certified with NIST traceability
480681000	10 l	Kubidos	Certified with NIST traceability
480684000	20 l	Plastic tank	Certified with NIST traceability

80 g de NaOH. Volumetric solution ready-to-use

Sodium hydroxide 2 mol/l (2N) > ERBapharm - Prepared from raw material according Ph.Eur

ERBapharm

Identification (Ph.Eur).....Conform Assay (Ph.Eur).....1.9 -2.1 N Origine (BSE-TSE).....Conform Residual solvents (Current ICH).....Conform

Code	Size	Packaging	Notes
524671	1 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

	Sodium hydroxide 1.2 mol/l (1.2N)	Synonym: <i>Caustic soda</i>
	<ul style="list-style-type: none"> • Sodio idrossido 1.2 mol/l (1.2N) • Sodium hydroxyde 1.2 mol/l (1.2N) • Sodio hidróxido 1.2 mol/l (1.2N) • Natronlauge 1.2 mol/l (1.2N) 	

NaOH Molecular Weight: 40 CAS: 1310-73-2	Classification transport ONU: 1824 Transport Hazard class: 8 Packing group II	 Danger H314 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Sodium hydroxide 1.2 mol/l (1.2N) > RS - For analysis

RS

Assay (potentiometry) 1.1976 - 1.2024 N

Code	Size	Packaging	Notes
PS0736/41	10 l	Plastic tank	
PS0736/42	20 l	Plastic tank	
PS0736/49	25 l	Plastic tank	

	Sodium hydroxide 1 mol/l (1N)	Synonym: <i>Caustic soda</i>
	<ul style="list-style-type: none"> • Sodio idrossido 1 mol/l (1N) • Sodium hydroxyde 1 mol/l (1N) • Sodio hidróxido 1 mol/l (1N) • Natronlauge 1 mol/l (1N) 	

NaOH Molecular Weight: 40 CAS: 1310-73-2	Classification transport ONU: 1824 Transport Hazard class: 8 Packing group II	 Danger H314 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Sodium hydroxide 1 mol/l (1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613006301	500 ml	Plastic bottle	Ref Ph.Eur 3006300
613006300	1 l	Plastic bottle	Ref Ph.Eur 3006300

Sodium hydroxide 1 mol/l (1N) > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000121	500 ml	Plastic bottle	

Sodium hydroxide 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Assay (potentiometry) 0.999 - 1.001 N NIST 84 I

Code	Size	Packaging	Notes
480717000	1 l	Plastic bottle	Certified with NIST traceability
480711000	5 l	Kubidos	Certified with NIST traceability
480714000	5 l	Plastic tank	Certified with NIST traceability
480713000	10 l	Kubidos	Certified with NIST traceability

40 g de NaOH. Volumetric solution ready-to-use**Sodium hydroxide 1 mol/l (1N) > RPE - NORMEX - For analysis**

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
480741		Plastic ampoule	Volume: 165 ml

40 g NaOH. Volumetric concentrated solution to prepare 1 L of solution 1 N**Sodium hydroxide 1 mol/l (1N) > ERBApharm - Prepared from raw material according USP - NF**

ERBApharm

Identification (USP) Conform Origine (BSE-TSE) Conform
Assay (USP) 0.95 - 1.05 N Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
524761	1 l	Plastic bottle	

Sodium hydroxide 1 mol/l (1N) > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Identification (Ph.Eur) Conform Origine (BSE-TSE) Conform
Assay (Ph.Eur) 0.95 - 1.05 N Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
524621	1 l	Plastic bottle	

**Sodium hydroxide 0.7 mol/l (N/1.4)**

- Sodio idrossido 0.7 mol/l (N/1.4) • Sodium hydroxyde 0.7 mol/l (N/1.4) • Sodio hidróxido 0.7 mol/l (N/1.4)
- Natronlauge 0.7 mol/l (N/1.4)

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide 0.7 mol/l (N/1.4) > RS - For agroalimentary analysis

RS

Description Clear colourless liquid Colour ≤ 10 APHA Assay 0.710 ÷ 0.718 N

Code	Size	Packaging	Notes
526511	10 l	Kubidos	



Sodium hydroxide 0.5 mol/l (0.5N)

- Sodio idrossido 0.5 mol/l (0.5N) • Sodium hydroxyde 0.5 mol/l (0.5N) • Sodio hidróxido 0.5 mol/l (0.5N)
- Natronlauge 0.5 mol/l (0.5N)

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group II



Danger
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hydroxide 0.5 mol/l (0.5N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.4995 - 0.5005 N NIST 84

Code	Size	Packaging	Notes
480777000	1 l	Plastic bottle	Certified with NIST traceability
480771000	5 l	Kubidos	Certified with NIST traceability
480772000	10 l	Kubidos	Certified with NIST traceability
480773000	10 l	Plastic tank	Certified with NIST traceability

20 g of NaOH. Volumetric solution ready-to-use

Sodium hydroxide 0.5 mol/l (0.5N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
480801		Plastic ampoule	Volume: 55 ml

20 g of NaOH. Volumetric concentrated solution to prepare 1 L of solution 0,5 N



Sodium hydroxide 0.357 mol/l (0.357N)

- Sodio idrossido 0.357 mol/l (0.357N) • Sodium hydroxyde 0.357 mol/l (0.357N)
- Sodio hidróxido 0.357 mol/l (0.357N) • Natronlauge 0.357 mol/l (0.357N)

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group III



Warning
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Sodium hydroxide 0.357 mol/l (0.357N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.3566 - 0.3574 N NIST 84

Code	Size	Packaging	Notes
480837000	1 l	Plastic bottle	Certified with NIST traceability

14.28 g of NaOH. Volumetric solution ready-to-use: 1/2.82N



Sodium hydroxide 0.25 mol/l (0.25N)

- Sodio idrossido 0.25 mol/l (0.25N) • Sodium hydroxyde 0.25 mol/l (0.25N)
- Sodio hidróxido 0.25 mol/l (0.25N) • Natronlauge 0.25 mol/l (0.25N)

Synonym:
Caustic soda

NaOH
Molecular Weight: 40
CAS: 1310-73-2

Classification transport
ONU: 1824
Transport Hazard class: 8
Packing group III



Warning
H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Sodium hydroxide 0.25 mol/l (0.25N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.2498 - 0.2503 N NIST 84

Code	Size	Packaging	Notes
480867000	1 l	Plastic bottle	Certified with NIST traceability
480861000	5 l	Kubidos	Certified with NIST traceability
480862000	10 l	Kubidos	Certified with NIST traceability
480863000	25 l	Plastic tank	Certified with NIST traceability

10 g of NaOH. Volumetric solution ready-to-use

Sodium hydroxide 0.25 mol/l (0.25N) > ERBApharm - Prepared from raw material according Ph.Eur**ERBApharm**

Colour ≤ 100 APHA Assay 0.2495 ÷ 0.2505 N

Code	Size	Packaging	Notes
369812	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade. Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

**Sodium hydroxide 0.2 mol/l (0.2N)**

• Sodio idrossido 0.2 mol/l (0.2N) • Sodium hydroxyde 0.2 mol/l (0.2N) • Sodio hidróxido 0.2 mol/l (0.2N)
• Natronlauge 0.2 mol/l (0.2N)

Synonym:
Caustic soda

NaOH Molecular Weight: 40 CAS: 1310-73-2	Classification transport ONU: 1824 Transport Hazard class: 8 Packing group III		Warning H315-H319 P264-P280a-P305+P351+P338-P332+P313- P362+P364-P337+P313
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Sodium hydroxide 0.2 mol/l (0.2N) > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Colour ≤ 10 APHA Assay 0.19 ÷ 0.21 M

Code	Size	Packaging	Notes
502782	500 ml	Plastic bottle	
502781000	10 l	Plastic tank	

Sodium hydroxide 0.2 mol/l (0.2N) > RPE - For analysis**RPE**

Assay (potentiometry) 0.1998 - 0.2002 N

Code	Size	Packaging	Notes
P3440015	1 l	Plastic bottle	

**Sodium hydroxide 1/9 mol/l (N/9)**

• Sodio idrossido 1/9 mol/l (N/9) • Sodium hydroxyde 1/9 mol/l (N/9) • Sodio hidróxido 1/9 mol/l (N/9)
• Natronlauge 1/9 mol/l (N/9)

Synonym:
Caustic soda

NaOH Molecular Weight: 40 CAS: 1310-73-2	Classification transport ONU: 1824 Transport Hazard class: 8 Packing group III		Warning H315-H319 P264-P280a-P305+P351+P338-P332+P313- P362+P364-P337+P313
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Sodium hydroxide 1/9 mol/l (N/9) > RPE - For analysis**RPE**

Assay (potentiometry) 0.1109 - 0.1113 N

Code	Size	Packaging	Notes
P4500022	5 l	Plastic tank	

**Sodium hydroxide 0.1 mol/l (0.1N)**

• Sodio idrossido 0.1 mol/l (0.1N) • Sodium hydroxyde 0.1 mol/l (0.1N) • Sodio hidróxido 0.1 mol/l (0.1N)
• Natronlauge 0.1 mol/l (0.1N)

Synonym:
Caustic soda

NaOH Molecular Weight: 40 CAS: 1310-73-2			
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Sodium hydroxide 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613006601	500 ml	Plastic bottle	Ref Ph.Eur 3006600
613006600	1 l	Plastic bottle	Ref Ph.Eur 3006600

Sodium hydroxide 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 84

Code	Size	Packaging	Notes
480897000	1 l	Plastic bottle	Certified with NIST traceability
480891000	5 l	Kubidos	Certified with NIST traceability
480892000	10 l	Kubidos	Certified with NIST traceability
480893000	10 l	Plastic tank	Certified with NIST traceability
480895000	50 l	Plastic drum	Certified with NIST traceability

4 g of NaOH. Volumetric solution ready-to-use

Sodium hydroxide 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
480921		Plastic ampoule	Volume: 55 ml

4 g of NaOH. Volumetric concentrated solution to prepare 1 L of solution 0,1 N

Sodium hydroxide 0.1 mol/l (0.1N) > ERBApharm - Prepared from raw material according Ph.Eur

ERBApharm

Identification (Ph.Eur) Conform Assay (Ph.Eur) 0.095 - 0.105 N Origine (BSE-TSE) Conform Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
524631	1 l	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade


Sodium hydroxide 0.1 mol/l (0.1N) in ethanol

- Sodio idrossido 0.1 mol/l (N/10) in etanolo • Sodium hydroxyde 0.1 mol/l (0.1N) dans l'éthanol
- Sodio hidróxido 0.1 mol/l (N/10) en etanol • Natronlauge 0.1 mol/l (0.1N) in Ethanol

 Synonym:
Caustic soda

 NaOH
Molecular Weight: 40
CAS: 1310-73-2

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group II

Danger
H225-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Sodium hydroxide 0.1 mol/l (0.1N) in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613007001	100 ml	Glass bottle	Ref Ph.Eur 3007000
613007000	1 l	Glass bottle	Ref Ph.Eur 3007000



Sodium hydroxide 0.01 mol/l (0.01N)

- Sodio idrossido 0.01 mol/l (0.01N) • Sodium hydroxyde 0.01 mol/l (0.01N)
- Sodio hidróxido 0.01 mol/l (0.01N) • Natronlauge 0.01 mol/l (0.01N)

 Synonym:
Caustic soda

 NaOH
Molecular Weight: 40
CAS: 1310-73-2

HEU210

Sodium hydroxide 0.01 mol/l (0.01N) > RPE - For analysis

RPE

Assay (potentiometry) 0.00998 - 0.01002 N

Code	Size	Packaging	Notes
PS0215/15	1 l	Plastic bottle	

Sodium hydroxide 0.01 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
481001		Plastic ampoule	Volume: 55 ml

0,4 g of NaOH. Volumetric concentrated solution to prepare 1 L of solution 0,01 N

**Sodium hydroxide solution**

• Sodio idrossido soluzione • Sodium hydroxyde solution • Sodio hidróxido solución • Natronlauge

Synonym:
Caustic sodaNaOH
Molecular Weight: 40
CAS: 1310-73-2
EEC-N: 215-185-5**Classification transport**
ONU: 1824
Transport Hazard class: 8
Packing group II**Danger**
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Sodium hydroxide solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**

RS

Code	Size	Packaging	Notes
611081402	1 l	Plastic bottle	Ref Ph.Eur 1081402
611081404	1 l	Plastic bottle	Sodium hydroxide solution, strong Ref Ph.Eur 1081404

**Sodium hydroxide solution, methanolic**• Sodio idrossido soluzione, metanolica • Sodium hydroxyde solution dans le méthanol
• Sodio hidróxido solución, metanólico • Natronlauge in MethanolSynonym:
Caustic sodaNaOH
Molecular Weight: 40
CAS: 1310-73-2**Classification transport**
ONU: 2810**Sodium hydroxide solution, methanolic > RS - For analysis according to Ph. Eur. Chap. 4.1.1**

RS

Code	Size	Packaging	Notes
611081405	100 ml	Glass bottle	Sodium hydroxide solution, methanolic R1 Ref Ph.Eur 1081405

**Sodium hydroxide-d 1 30%**

• Sodio idrossido-d 30% • Sodium hydroxyde-d 30% • Sodio hidróxido-d 30% • Natronlauge-d 30%

Synonym:
Sodium deuteroxide solutionNaOD
Molecular Weight: 41
CAS: 14014-06-3
EEC-N: 237-825-2**Classification transport**
ONU: 1824
Transport Hazard class: 8
Packing group II**Danger**
H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Sodium hydroxide-d 1 30% > RS - For NMR - min 99.5%**

RS

Code	Size	Packaging	Notes
P5675	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Sodium hydroxide-d 1 mol/l**

• Sodio idrossido-d 1 mol/l • Sodium hydroxyde-d 1N • Sodio hidróxido-d 1 mol/l • Natronlauge-d 1N

Synonym:
Sodium deuteroxide solutionNaOD
Molecular Weight: 41
CAS: 14014-06-3**Classification transport**
ONU: 1824
Transport Hazard class: 8
Packing group II**Sodium hydroxide-d 1 mol/l > RS - For NMR - min 99.8%**

RS

Code	Size	Packaging	Notes
P5665	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



Sodium hypochlorite solution 12.5%

• Sodio ipoclorito soluzione 12.5% • Sodium hypochlorite solution 12.5% • Sodio hipoclorito solución 12.5% • Natriumhypochloritlösung 12.5%

NaClO
Molecular Weight: 74,44
CAS: 7681-52-9

Classification transport
ONU: 1791
Transport Hazard class: 8
Packing group III



Danger
H290-H314-H400-H412-HEU031
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hypochlorite solution 12.5% > RPE - For analysis

RPE

Appearance Slight yellow liquid French chlorometric degree $\geq 44^\circ$ Active chlorine percentage $\geq 11.6\%$ (m/m)

Code	Size	Packaging	Notes
P9350015	1 l	Plastic bottle	
P9350046	1 l	Glass bottle PVC coated	
P9350049	25 l	Plastic tank	

Store at ambient temperature



Sodium hypochlorite solution in water

• Sodio ipoclorito soluzione in acqua • Sodium hypochlorite solution aqueuse • Sodio hipoclorito solución en agua • Natriumhypochloritlösung

NaClO
Molecular Weight: 74,44
CAS: 7681-52-9

Classification transport
ONU: 1791
Transport Hazard class: 8
Packing group III



Danger
H314-H412-HEU031
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium hypochlorite solution in water > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611081609	250 ml	Glass bottle	Sodium hypochlorite solution, strong Ref Ph.Eur 1081600
611081600	1 l	Glass bottle	Sodium hypochlorite solution, strong Ref Ph.Eur 1081600

Sodium hypochlorite solution in water > RS - For analysis according to JP

RS

Code	Size	Packaging	Notes
616001008	100 ml	Glass bottle	Sodium hypochlorite TS

Sodium hypochlorite solution in water > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000181	1 l	Glass bottle	

Sodium hypochlorite solution in water > RPE - For analysis

RPE

Description Yellow clear liquid Cd ≤ 10 ppm Hg ≤ 10 ppm Zn ≤ 10 ppm
Density at 20°C ~ 1.1 Cr ≤ 10 ppm Mn ≤ 10 ppm Assay (iodometric) $5 \div 9\%$ (Cl)/m/m
Alcalinity (NaOH) $\leq 1.8\%$ m/m Cu ≤ 10 ppm Ni ≤ 10 ppm

Code	Size	Packaging	Notes
481181	1 l	Plastic bottle	
481185	30 kg	Plastic drum	

Store at ambient temperature

Sodium hypochlorite solution in water > RE - Pure

RE

Description Yellow clear liquid Alcalinity (NaOH) $\leq 1.8\%$ m/m Assay (iodometric) $5 - 9\%$ Cl Density at 20°C 1.1 - 1.2

Code	Size	Packaging	Notes
370321	1 l	Plastic bottle	
370323	5 l	Plastic bottle	
370322	30 kg	Plastic drum	

Store at ambient temperature

**Sodium hypophosphite**

• Sodio ipofosfito • Sodium hypophosphite • Sodio hipofosfito • Natriumhypophosphit

NaH₂PO₂·H₂O
 Molecular Weight: 106,06
 CAS: 10039-56-2
 EEC-N: 231-669-9

Sodium hypophosphite > RE - Pure**RE**

Description Semitransparent crystals Chloride ≤100 ppm Sulphate ≤500 ppm Fe ≤50 ppm
 Identification Positive Heavy metals (Pb) ≤10 ppm As ≤2 ppm Assay (oxidimetric) ≥101 % t.q.

Code	Size	Packaging	Notes
481201	1 kg	Plastic bottle	
481202	5 kg	Plastic tank	

**Sodium iodide**

• Sodio ioduro • Sodium iodure • Sodio yoduro • Natriumiodid

NaI
 Molecular Weight: 149,89
 CAS: 7681-82-5
 EEC-N: 231-679-3

**Danger**

H315-H319-H334-H317-H335
 P261-P284-P304+P340-P305+P351+P338-
 P342+P311a-P403+P233

Sodium iodide > RPE - For analysis**RPE**

Description White crystals Loss on drying ≤ 2 % Sulphate ≤ 150 ppm Assay (oxidimetric) 99 ÷ 101.5 %
 Identification Positive Iodate ≤ 4 ppm Fe ≤ 20 ppm

Code	Size	Packaging	Notes
481163	50 g	Glass bottle	
481164	500 g	Plastic bottle	
481162	25 kg	Plastic bucket	

Sodium iodide > ERBapharm - According to pharmacopoeia: BP-FU-Ph.Eur.-Ph.Franc.**ERBapharm**

Description White crystalline powder Appearance of solution Conform Ph.Eur. Loss on drying ≤ 3.0 % Fe ≤ 20 ppm
 Identification Positive Thiosulphate Conform Ph.Eur. Heavy metals (Pb) ≤ 10 ppm Assay (oxidimetric) 99.0 ÷ 100.5 % s.s.
 Alkalinity Conform Ph.Eur. Iodate Conform Ph.Eur. Sulphate ≤ 150 ppm

Code	Size	Packaging	Notes
370305	250 g	Plastic bottle	
370307	1 kg	Plastic bottle	
370309	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium laurylsulfate**

• Sodio laurilsolfato • Sodium laurylsulfate • Sodio laurilsulfato • Natriumdodecylsulfat

Synonym:

- Sodium dodecyl sulfate
- Dodecyl sodium sulfate

CH₃(CH₂)₁₁OSO₃Na
 Molecular Weight: 288,38
 CAS: 151-21-3
 EEC-N: 273-257-1

**Danger**

H315-H318-H335-H412
 P261-P304+P340-P310a-P305+P351+P338-
 P362+P364-P403+P233

Sodium laurylsulfate > RS - For surfactants detection**RS**

Description White crystalline powder pH sol. 1% at 20°C 8.5 ÷ 10.5 Assay (acidimetric) ≥ 92.0 %
 Identification (I.R.) Positive Free sulphate (Na₂SO₄) ≤ 2.5 %

Code	Size	Packaging	Notes
481231	250 g	Plastic bottle	
481233	10 kg	Plastic bucket	
481235	25 kg	Drum	

Sodium laurylsulfate > RPE - For analysis

RPE

Anionic surfactant 93 - 98 % Loss on drying ≤ 1 % NaCl ≤ 1.5 %
 Unsulphated matter ≤ 1 % Na2SO4 ≤ 3 % pH (1% solution) 8.5 - 10.5

Code	Size	Packaging	Notes
P7600513	100 g	Plastic bottle	
P7600514	500 g	Plastic bottle	
P7600517	1 kg	Plastic bottle	



Sodium metabisulfite

• Sodio metabisulfito • Sodium métabisulfite • Sodio metabisulfito • Dinatriumdisulfid

Synonym:

- Sodium bisulfite
- Sodium hydrogensulfite

Na₂O₃S₂
 Molecular Weight: 190,1
 CAS: 7681-57-4
 EEC-N: 231-673-0


Danger

H302-H318-HEU031
 P264-P280i-P301+P312a-P305+P351+P338-P310a-P501a

Sodium metabisulfite > RPE - For analysis - ACS

RPE

Description White crystalline powder Chloride ≤ 0.05 % Heavy metals (Pb) ≤ 10 ppm Fe ≤ 20 ppm
 Identification Positive Water-insoluble matter ≤ 50 ppm Thiosulphate ≤ 0.05 % Assay (oxidimetric) ≥ 97.0 %

Code	Size	Packaging	Notes
481286	100 g	Plastic bottle	
481287	1 kg	Plastic bottle	
481288	2.5 kg	Plastic bottle	
481283	25 kg	Plastic bucket	

Sodium metabisulfite > ERBApharm - According to pharmacopoeia: BP-NF-Ph.Eur.-FU

ERBApharm

Description White crystalline powder Chloride ≤ 500 ppm Fe ≤ 20 ppm Origin (BSE/TSE) Synthesis
 Identification Positive Thiosulphate ≤ 500 ppm Assay (oxidimetric) 95.0 ÷ 100.5 %
 Appearance of solution Conform Ph.Eur. Heavy metals (Pb) ≤ 20 ppm Assay (SO₂) 65.0 ÷ 67.4 %
 pH solution 5% 3.5 ÷ 5.0 As ≤ 5 ppm Residual solvents (Current ICH) Conform

Code	Size	Packaging	Notes
370751	1 kg	Plastic bottle	
370752	2.5 kg	Plastic bottle	
370753	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium metaperiodate

• Sodio (meta)-periodato • Sodium m-périodate • Sodio metaperiodato • Natriummetaperiodat

Synonym:

Sodium periodate

NaIO₄
 Molecular Weight: 213,89
 CAS: 7790-28-5
 EEC-N: 232-197-6

Classification transport

ONU: 3085
 Transport Hazard class: 5.1
 Packing group I


Danger

H271-H314-H372-H400
 P210-P280-P283-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Sodium metaperiodate > RPE - For analysis - ACS

RPE

Description White crystalline powder Other halogens (Cl) ≤ 0.02 % Assay (iodometric) 99.8 ÷ 100.3 % (s.s.)
 Identification Positive Mn ≤ 3 ppm

Code	Size	Packaging	Notes
482234	100 g	Glass bottle	
482236	1 kg	Glass bottle	

**Sodium metaphosphate**

• Sodio metafosfato • Sodium métaphosphate • Sodio metafosfato • Natriummetaphosphat

NaPO₃

Molecular Weight: 102,2

CAS: 10361-03-2

EEC-N: 233-782-9

Sodium metaphosphate > RE - Pure**RE**

Description White crystalline powder Chloride.....≤500 ppm Sulphate.....≤0.1 % Assay≥68.0 % P205
 Identification Positive Heavy metals (Pb).....≤20 ppm Fe≤500 ppm

Code	Size	Packaging	Notes
481557	1 kg	Plastic bottle	
481552	25 kg	Plastic bucket	

**Sodium methoxide 0.1 mol/l**• Sodio metossido 0.1 mol/l • Sodium méthanolate 0.1 mol/l • Sodio metóxido 0.1 mol/l
• Natriummethanolat 0.1 mol/l

Synonym:

*Sodium methylate*CH₃NaO

Molecular Weight: 54,02

CAS: 124-41-4

Classification transport

ONU: 1992

Transport Hazard class: 3

Packing group II

**Danger**

H225-H301-H370



P210-P241-P280-P301+P310a-P303+P361+P353-P403+P235

Sodium methoxide 0.1 mol/l > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613007101	100 ml	Glass bottle	Ref Ph.Eur 3007100
613007100	1 l	Glass bottle	Ref Ph.Eur 3007100

**Sodium molybdate dihydrate**

• Sodio molibdato diidrato • Sodium molybdate dihydraté • Sodio molibdato dihidrato • Natriummolybdat

Synonym:

*Molybdic acid sodium salt dihydrate*Na₂MoO₄·2H₂O

Molecular Weight: 241,95

CAS: 10102-40-6

EEC-N: 231-551-7

**Warning**

H315-H319-H335

P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

Sodium molybdate dihydrate > RPE - For analysis**RPE**

Description White crystalline powder Water insoluble substances.....≤ 0.05 % Assay (Mo).....≥ 39.5 %
 Identification Positive Pb.....≤ 50 ppm

Code	Size	Packaging	Notes
481684	100 g	Glass bottle	
481685	250 g	Plastic bottle	
481687	1 kg	Plastic bottle	



Sodium nitrate

• Sodio nitrato • Sodium nitrate • Sodio nitrato • Natriumnitrat

NaNO₃
Molecular Weight: 84,99
CAS: 7631-99-4
EEC-N: 231-554-3

Classification transport
ONU: 1498
Transport Hazard class: 5.1
Packing group III



Danger
H272-H319
P210-P220-P264-P280-P305+P351+P338-
P337+P313

Sodium nitrate > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP

RPE

Description White crystals
Identification Positive
pH sol. 5% in H₂O 5.5 ÷ 8.3
Water-insoluble matter ≤ 50 ppm
Chloride ≤ 10 ppm
Phosphate ≤ 5 ppm
Iodate ≤ 5 ppm
Nitrite ≤ 10 ppm
Sulphate ≤ 30 ppm
Heavy metals (Pb) ≤ 5 ppm
Fe ≤ 3 ppm
Assay (acidimetric) ≥ 99.0 %
Ca ≤ 50 ppm
Mg ≤ 20 ppm

Code	Size	Packaging	Notes
481755	100 g	Plastic bottle	
481756	500 g	Plastic bottle	
481757	1 kg	Plastic bottle	
481759	5 kg	Plastic jar	
481751	25 kg	Drum	

Sodium nitrate > RE - Pure

RE

Description Yellowish crystals
Identification Positive
Chloride ≤ 0.5 %
Water-insoluble matter ≤ 500 ppm
Heavy metals (Pb) ≤ 50 ppm
Sulphate ≤ 0.5 %
Fe ≤ 50 ppm
Assay (non-aqueous medium) ≥ 96 %

Code	Size	Packaging	Notes
371809	5 kg	Plastic tank	
371802	25 kg	Plastic bucket	
371804	50 kg	Fibre drum	



Sodium nitrite

• Sodio nitrito • Sodium nitrite • Sodio nitrito • Natriumnitrit

NaNO₂
Molecular Weight: 68,99
CAS: 7632-00-0
EEC-N: 231-555-9

Classification transport
ONU: 1500
Transport Hazard class: 5.1
Packing group III



Danger
H272-H301-H400
P210-P220-P264-P280-P301+P310a-P330

Sodium nitrite > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Yellow crystals
Identification Positive
Water-insoluble matter ≤ 100 ppm
Chloride ≤ 50 ppm
Sulphate ≤ 100 ppm
Heavy metals (Pb) ≤ 10 ppm
Ca ≤ 100 ppm
Fe ≤ 10 ppm
K ≤ 50 ppm
Assay (oxidimetric) ≥ 97.0 %

Code	Size	Packaging	Notes
481825	100 g	Plastic bottle	
481826	500 g	Plastic bottle	
481827	1 kg	Plastic bottle	
481829	5 kg	Plastic jar	

Sodium nitrite > ERBAPharm - According to pharmacopoeia: Ph.Eur.-USP-BP

ERBAPharm

Description Yellow crystals
Identification Positive
Loss on drying ≤ 0.25 %
Heavy metals (Pb) ≤ 20 ppm
Assay (oxidimetric) 97.0 ÷ 101.0 % s.s.
Assay (Ph. Eur.) 98.5 - 100.5 % (ds)
Appearance of solution Conform Ph. Eur.
Acidity or alkalinity Conform Ph.Eur.
Chloride ≤ 50 ppm
Sulfate ≤ 200 ppm

Code	Size	Packaging	Notes
371901	1 kg	Plastic bottle	
371902	5 kg	Plastic tank	
371903	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Sodium nitrite > RE - Pure**RE**

Description Yellow crystals Chloride ≤0.1 % Sulphate ≤0.1 % Assay (oxidimetric) ≥95 %
 Identification Positive Heavy metals (Pb) ≤50 ppm Fe ≤50 ppm

Code	Size	Packaging	Notes
372109	5 kg	Plastic tank	

**Sodium nitrite 0.1 mol/l (0.1N)**

• Sodio nitrito 0.1 mol/l (0.1N) • Sodium nitrite 0.1 mol/l (0.1N) • Sodio nitrito 0.1 mol/l (0.1N) • Natriumnitrit 0.1 mol/l (0.1N)

NaNO₂
 Molecular Weight: 68,99
 CAS: 7632-00-0

Sodium nitrite 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2**RS**

Code	Size	Packaging	Notes
613007200	1 l	Plastic bottle	Ref Ph.Eur 3007200

**Sodium nitrite solution 500 g/l**

• Sodio nitrito 500 g/l soluzione • Sodium nitrite 500g/l • Sodio nitrito solución 500 g/L • Natriumnitrit 500 g/l

NaNO₂
 Molecular Weight: 68,99
 CAS: 7632-00-0

Classification transport
 ONU: 3219
 Transport Hazard class: 5.1
 Packing group III



Danger
 H272-H301-H400
 P210-P220-P264-P280-P301+P310a-P330

Sodium nitrite solution 500 g/l > RPE - For analysis**RPE**

Assay 490 - 510 g/L

Code	Size	Packaging	Notes
524725	2 l	Plastic bottle	

**Sodium nitroprusside dihydrate**

• Sodio nitroprussiato diidrato • Sodium nitroprussiate dihydraté • Sodio nitroprusiato dihidrato • Natriumnitroprussid-Dihydrat

Na₂Fe(CN)₅NO₂·2H₂O
 Molecular Weight: 297,95
 CAS: 13755-38-9
 EEC-N: 238-373-9

Classification transport
 ONU: 3288
 Transport Hazard class: 6.1
 Packing group III



Danger
 H301
 P264-P270-P301+P310a-P330-P405-P501a

Sodium nitroprusside dihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description Red brick crystals Chloride ≤ 200 ppm Not soluble matter ≤ 0.01 %
 Identification Positive Sulphate Conform

Code	Size	Packaging	Notes
481932	50 g	Glass bottle	
481934	100 g	Glass bottle	

Sodium 1-octanesulfonate monohydrate ▶ 1-Octanesulfonic acid sodium salt monohydrate

**Sodium oxalate**

• Sodio ossalato • Sodium oxalate • Sodio oxalato • Natriumoxalat

Synonym:

- Ethandioic acid sodium salt
- Oxalic acid disodium salt

(COONa)₂
Molecular Weight: 134
CAS: 62-76-0
EEC-N: 200-550-3

**Warning**

H302-H312
P264-P270-P280h-P301+P312a-P330-P501a

Sodium oxalate > RS - Standard for volumetry**RS**

Description White crystalline powder Identification Positive Assay ≥99.8 %

Code	Size	Packaging	Notes
482101	50 g	Glass bottle	

Sodium oxalate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description White crystalline powder Loss on drying ≤100 ppm Sulphate ≤20 ppm Assay (oxidimetric) ≥99.5 %
Identification Positive Water-insoluble matter ≤50 ppm Heavy metals (Pb) ≤20 ppm
Neutrality Conform Ammonium ≤20 ppm Fe ≤10 ppm
Ready carbonizable substances Conform Chloride ≤20 ppm K ≤50 ppm

Code	Size	Packaging	Notes
482064	100 g	Plastic bottle	
482065	250 g	Plastic bottle	
482067	1 kg	Plastic bottle	

Sodium oxalate > RE - Pure**RE**

Description White crystalline powder Chloride ≤ 300 ppm Fe ≤ 100 ppm
Identification Positive Sulphate ≤ 100 ppm Assay (oxidimetric) 94 ÷ 96 %

Code	Size	Packaging	Notes
372201	1 kg	Plastic bottle	
372203	5 kg	Plastic tank	

Sodium 1-pentanesulfonate ► 1-Pentanesulphonic acid sodium salt**Sodium 1-pentanesulfonate monohydrate ► 1-Pentanesulphonic acid sodium salt monohydrate****Sodium perborate tetrahydrate**

• Sodio perborato tetraidrato • Sodium perborate tétrahydraté • Sodio perborato tetrahidratado • Natriumperborat-Tetrahydrat

NaBO₃·4H₂O
Molecular Weight: 153,88
CAS: 10486-00-7
EEC-N: 231-556-4

**Danger**

H302-H332-H318-H360Df-H335-HA26
P261-P280-P304+P340-P310a-P305+P351+P338-P403+P233

Sodium perborate tetrahydrate > RE - Pure**RE**

Description White crystalline powder Chloride ≤500 ppm Sulphate ≤0.1 % Fe ≤500 ppm
Identification Positive Heavy metals (Pb) ≤100 ppm As ≤20 ppm Assay (oxidimetric) ≥96 %

Code	Size	Packaging	Notes
482183	1 kg	Plastic bottle	
482185	5 kg	Plastic tank	
482187	25 kg	Plastic bucket	

**Sodium perchlorate monohydrate**

• Sodio perclorato monoidrato • Sodium perchlorate monohydraté • Sodio perclorato
• Natriumperchlorat-Monohydrat

Synonym:
Hyperchloric acid sodium salt

NaClO₄·H₂O
Molecular Weight: 140,46
CAS: 7791-07-3
EEC-N: 231-511-9

Classification transport
ONU: 1502
Transport Hazard class: 5.1
Packing group II



Danger
H272-H302
P210-P220-P264-P280-P301+P312a-P501a

Sodium perchlorate monohydrate > RPE - For analysis**RPE**

Description White crystal Chloride ≤ 50 ppm Heavy metals (Pb) ≤ 10 ppm Fe ≤ 50 ppm
Identification (I.R.) Positive Chlorates ≤ 0.10 % Sulfate ≤ 50 ppm Assay ≥ 99.0 %

Code	Size	Packaging	Notes
482204	250 g	Glass bottle	

**Sodium peroxide**

• Sodio perossido • Sodium peroxyde • Sodio peróxido • Natriumperoxid

Synonym:
Sodium superoxide

Na₂O₂
Molecular Weight: 77,98
CAS: 1313-60-6
EEC-N: 215-209-4

Classification transport
ONU: 1504
Transport Hazard class: 5.1
Packing group I



Danger
H271-H314
P210-P280-P283-P301+P330+P331-
P303+P361+P353-P304+P340-P310a-
P305+P351+P338

Sodium peroxide > RPE - For analysis**RPE**

Description Pale yellow powder Chloride ≤ 40 ppm Ca ≤ 500 ppm Pb ≤ 20 ppm
Identification Positive Phosphate ≤ 20 ppm Fe ≤ 20 ppm Assay (oxidimetric) ≥ 97 %
Total nitrogen ≤ 20 ppm Total sulphur ≤ 200 ppm K ≤ 200 ppm

Code	Size	Packaging	Notes
482252	1 kg	Metallic can	

**Sodium persulfate**

• Sodio persolfato • Sodium persulfate • Sodio persulfato • Natriumpersulfat

Na₂S₂O₈
Molecular Weight: 238,1
CAS: 7775-27-1
EEC-N: 231-892-1

Classification transport
ONU: 1505
Transport Hazard class: 5.1
Packing group III



Danger
H272-H302-H315-H334-H317-H335
P210-P280-P284-P304+P340-P342+P311a-
P403+P233

Sodium persulfate > RPE - For analysis**RPE**

Assay ≥ 99 % Iron (Fe) ≤ 5 mg/Kg Active oxygen ≥ 6.65 % Sulfuric acid ≤ 0.1 %

Code	Size	Packaging	Notes
P1650517	1 kg	Plastic bottle	

Sodium persulfate > RE - Pure**RE**

Description White crystalline powder Identification Positive Fe ≤ 10 ppm Assay (oxidimetric) ≥ 98 %

Code	Size	Packaging	Notes
482365	250 g	Plastic bottle	
482367	2.5 kg	Plastic bottle	
482363	25 kg	Plastic bucket	



Sodium persulfate 1 mol/l

• Sodio persolfato 1 mol/l • Sodium persulfate 1 mol/l • Sodio persolfato 1 mol/l • Natriumpersulfat 1 mol/l



Molecular Weight: 238.10

CAS: 7775-27-1

Classification transport

ONU: 3216

Transport Hazard class: 5.1

Packing group III



Danger

H272-H315-H334-H317

P210-P261-P280-P284-P304+P340-P342+P311a

Sodium persulfate 1 mol/l > RPE - For analysis

RPE

Refractive index at 20°C..... 1.35 - 1.354

Code	Size	Packaging	Notes
PS0083/42	20 l	Plastic tank	



Sodium phosphate dibasic anhydrous

• Sodio fosfato bibasico anidro • Sodium phosphate dibasique anhydre • Sodio fosfato dibásico anhidro • Natriumhydrogenphosphat wasserfrei

Synonym:

Disodium hydrogen phosphate



Molecular Weight: 141,96

CAS: 7558-79-4

EEC-N: 231-448-7

Sodium phosphate dibasic anhydrous > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White powder Loss on drying ≤ 0.2 % Heavy metals (Pb)..... ≤ 10 ppm Assay (alkalimetric)..... ≥ 99.0 %
 Identification Positive Chloride..... ≤ 20 ppm Sulphate ≤ 50 ppm
 pH sol. 5% at 25° C 8.7 ÷ 9.3 Water-insoluble matter ≤ 100 ppm Fe ≤ 20 ppm

Code	Size	Packaging	Notes
480143	100 g	Plastic bottle	
480144	500 g	Plastic bottle	
480141	1 kg	Plastic bottle	
480142	5 kg	Plastic jar	

Sodium phosphate dibasic anhydrous > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP

ERBApharm

Description White powder Fosfato monobasico Conform Ph.Eur. Chloride..... ≤ 200 ppm Heavy metals (Pb)..... ≤ 10 ppm
 Identification Positive Origin (BSE/TSE)..... Synthesis Sulphate ≤ 500 ppm Loss on drying at 105°C..... ≤ 1.0 %
 Appearance of solution Conform Ph.Eur. Residual solvents (Current ICH)..... Conform As ≤ 2 ppm Assay (potentiometric) 98.0 ÷ 100.5 % s.s.
 Reducing substances Conform Ph.Eur. Not soluble matter ≤ 0.4 % Fe ≤ 20 ppm Loss on drying at 130°C..... ≤ 5.0 %

Code	Size	Packaging	Notes
369212	1 kg	Plastic bottle	
369213	5 kg	Plastic bucket	
369211	25 kg	Sack	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Sodium phosphate dibasic anhydrous > ERBApharm - According to pharmacopoeia: USP

ERBApharm

Description White crystalline powder Loss on drying 130° C..... ≤ 5.0 % Not soluble matter ≤ 0.4 % Heavy metals (Pb)..... ≤ 20 ppm
 Identification Positive Water-insoluble matter ≤ 0.4 % Sulphate ≤ 0.2 % Assay 98.0 ÷ 100.5 % (s.s.)
 Loss on drying ≤ 5.0 % Chloride..... ≤ 0.06 % As ≤ 16 ppm Assay (potentiometric) 98.0 ÷ 100.5 % (s.s.)

Code	Size	Packaging	Notes
369275	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Sodium phosphate dibasic anhydrous > RE - Pure**RE**

Description White powder Loss on drying ≤ 8 % As ≤ 10 ppm
 Identification Positive Heavy metals (Pb) ≤ 50 ppm Assay (acidimetric) ≥ 92.0 %

Code	Size	Packaging	Notes
369257	1 kg	Plastic bottle	
369258	5 kg	Plastic tank	
369252	25 kg	Plastic bucket	

**Sodium phosphate dibasic dihydrate**

- Sodio fosfato bibásico dihidrato • Sodium phosphate dibasique dihydraté • Sodio fosfato dibásico dihidrato
- Natriumhydrogenphosphat Dihydrat

Synonym:

Disodium hydrogen phosphate dihydrate

$\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$
 Molecular Weight: 177,99
 CAS: 10028-24-7
 EEC-N: 231-448-7

Sodium phosphate dibasic dihydrate > RPE - For analysis**RPE**

Description White crystalline powder Water-insoluble matter ≤ 50 ppm Pb ≤ 1 ppm Ammonium ≤ 10 ppm
 Identification Positive Heavy metals (Pb) ≤ 10 ppm Assay (potentiometric) 98.0 ÷ 100.5 % Reducing substances Conform
 Loss on drying 18.5 ÷ 21.5 % Sulphate ≤ 50 ppm Loss on ignition 25.1 ÷ 25.5 % Sodium dihydrogen phosphate ≤ 2.5 %
 Chloride ≤ 10 ppm As ≤ 1 ppm pH solution 1% 9.0 ÷ 9.3
 Fluoride ≤ 3 ppm Fe ≤ 5 ppm Hg ≤ 1 ppm

Code	Size	Packaging	Notes
480225	100 g	Plastic bottle	
480226	500 g	Plastic bottle	
480227	1 kg	Plastic bottle	
480222	5 kg	Plastic jar	

Sodium phosphate dibasic dihydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP**ERBApharm**

Description White crystalline powder Fosfato monosodico ≤ 2.5 % Heavy metals (Pb) ≤ 20 ppm Titolo (alcalimetrico) 98.0 ÷ 100.5 % s.s.
 Identification Positive Water not sol. matter ≤ 0.4 % As ≤ 4 ppm
 Appearance of solution Conform Ph.Eur. Chloride ≤ 400 ppm Fe ≤ 40 ppm
 Reducing substances Conform Ph.Eur. Sulphate ≤ 0.1 % Loss on drying 130° C 19.5 ÷ 21.0 %

Code	Size	Packaging	Notes
369185	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium phosphate dibasic dodecahydrate

- Sodio fosfato bibasico dodecaidrato • Sodium phosphate dibasique dodécahydraté
- Sodio fosfato dibasico dodecahidrato • Dibasisches Natriumphosphat-Dodecahydrat

Synonym:

Disodium hydrogen phosphate dodecahydrate

Na₂HPO₄·12H₂O
 Molecular Weight: 358,14
 CAS: 10039-32-4
 EEC-N: 231-448-7

Sodium phosphate dibasic dodecahydrate > RPE - For analysis

RPE

Description .. White or gray crystalline mass	Heavy metals (Pb).....≤ 5 ppm	Fe≤ 5 ppm	Assay (potentiometric) .....98 ÷ 102 %
Identification Positive	Sulphate≤ 50 ppm	K.....≤ 100 ppm	Mono or Tribasic salt Conform
pH sol. 5% at 25° C .....9.0 ÷ 9.4	As≤ 0.5 ppm	Mg≤ 10 ppm	Co.....≤ 5 ppm
Total nitrogen≤ 10 ppm	Ca.....≤ 10 ppm	Ni.....≤ 5 ppm	Cr.....≤ 5 ppm
Chloride.....≤ 5 ppm	Cd.....≤ 5 ppm	Pb.....≤ 5 ppm	Mn≤ 5 ppm
Water-insoluble matter≤ 50 ppm	Cu.....≤ 5 ppm	Zn≤ 5 ppm	

Code	Size	Packaging	Notes
480133	100 g	Plastic bottle	
480136	500 g	Plastic bottle	
480137	1 kg	Plastic bottle	
480131	5 kg	Plastic tank	
480132	10 kg	Plastic bucket	
480135	25 kg	Plastic bucket	

Sodium phosphate dibasic dodecahydrate > ERBApharm - According to pharmacopoeia: BP-DAB-FU-Ph. Eur.-Ph.Franc.-USP

ERBApharm

Description White crystals	Monobasic phosphate.....Conform Ph.Eur.	As .....≤2 ppm	Loss on drying 130° C.....57.0 ÷ 61.0 %
Identification Positive	Chloride.....≤200 ppm	Fe .....≤20 ppm	
Appearance of solution .....Conform Ph.Eur.	Heavy metals (Pb).....≤10 ppm	Assay (alkalimetric).....98.5 ÷ 100.5 % s.s.	
Reducing substances .....Conform Ph.Eur.	Sulphate .....≤500 ppm	Not soluble matter.....≤ 0.4 %	

Code	Size	Packaging	Notes
369158	1 kg	Plastic bottle	
369159	5 kg	Plastic tank	
369152	25 kg	Plastic bucket	
369154	50 Kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Sodium phosphate dibasic dodecahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.

ERBApharm

Description White crystals	Monobasic phosphate.....Conform Ph.Eur.	As .....≤2 ppm	Loss on drying 130° C.....57.0 ÷ 61.0 %
Identification Positive	Chloride.....≤200 ppm	Fe .....≤20 ppm	
Appearance of solution .....Conform Ph.Eur.	Heavy metals (Pb).....≤10 ppm	Assay (alkalimetric).....98.5 ÷ 100.5 % s.s.	
Reducing substances .....Conform Ph.Eur.	Sulphate .....≤500 ppm	Not soluble matter.....≤ 0.4 %	

Code	Size	Packaging	Notes
529510	1 kg	Plastic bottle	

**Sodium phosphate monobasic dihydrate**

- Sodio fosfato monobásico bihidrato • Sodium phosphate monobasique dihydraté
- Sodio fosfato monobásico dihidrato • Natriumphosphat-einbasiges Dihydrat

Synonym:

Sodium dihydrogen phosphate dihydrate

NaH₂PO₄·2H₂O
Molecular Weight: 156,01
CAS: 13472-35-0
EEC-N: 231-449-1

Sodium phosphate monobasic dihydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP**ERBApharm**

Description	White crystalline powder	Al,Ca and related sub.	Conform USP-NF	Chloride.....	≤140 ppm	As	≤2 ppm
Identification	Positive	pH solution 5%	4.2 ÷ 4.5	Heavy metals (Pb).....	≤10 ppm	Fe	≤10 ppm
Appearance of solution	Conform Ph.Eur.	Water (K.F.)	18.0 ÷ 26.5 %	Sulphate	≤300 ppm	Assay (alkalimetric).....	98.0 ÷ 100.5 % s.s.
Reducing substances	Conform Ph.Eur.	Loss on drying 130° C.....	21.5 ÷ 24.0 %	Not soluble matter	≤0.2 %		

Code	Size	Packaging	Notes
369138	1 kg	Plastic bottle	
369139	5 kg	Plastic tank	
369132	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium phosphate monobasic monohydrate**

- Sodio fosfato monobásico monohidrato • Sodium phosphate monobasique monohydraté
- Sodio fosfato monobásico monohidrato • Natriumphosphat monobasisch Monohydrat

Synonym:

- *Monosodium phosphate*
- *Sodium dihydrogen phosphate monohydrate*

NaH₂PO₄·H₂O
Molecular Weight: 137,99
CAS: 10049-21-5
EEC-N: 231-449-2

Sodium phosphate monobasic monohydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description	White crystalline powder	Water-insoluble matter	≤ 100 ppm	Sulphate.....	≤ 30 ppm	K.....	≤ 100 ppm
Identification	Positive	Chloride.....	≤ 5 ppm	Ca.....	≤ 50 ppm	Assay	98.0 ÷ 102.0 %
pH sol. 5% in H ₂ O.....	4.1 ÷ 4.5	Heavy metals (Pb).....	≤ 10 ppm	Fe	≤ 10 ppm		

Code	Size	Packaging	Notes
480085	100 g	Plastic bottle	
480086	500 g	Plastic bottle	
480087	1 kg	Plastic bottle	
480082	5 kg	Plastic jar	
480081	25 kg	Plastic bucket	

Sodium phosphate monobasic monohydrate > ERBApharm - According to pharmacopoeia: USP**ERBApharm**

Description	White crystalline powder	Water (K.F.)	10.0 ÷ 15.0 %	As	≤8 ppm	Heavy metals (Pb).....	≤ 20 ppm
Identification	Positive	Chloride.....	≤140 ppm	Assay (alkalimetric).....	98.0 ÷ 103.0 % s.s.		
Al,Ca and related sub.	Conform USP-NF	Sulphate.....	≤0.15 %	Origin (BSE/TSE).....	Synthesis		
pH (1:20)	4.1 ÷ 4.5	Not soluble matter	≤0.2 %	Residual solvents (Current ICH).....	Conform		

Code	Size	Packaging	Notes
369143	1 kg	Plastic bottle	
369141	5 kg	Plastic tank	
369142	25 kg	Sack	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium phosphate tribasic dodecahydrate

- Sodio fosfato tribasico dodecaidrato • Sodium phosphate tribasique dodécahydraté
- Sodio fosfato tribásico dodecahidratado • Natriumphosphat tribasisch Dodecahydrat

Synonym:

- *Trisodium phosphate dodecahydrate*
- *TSP*

Na₃PO₄·12H₂O
Molecular Weight: 380,12
CAS: 10101-89-0
EEC-N: 231-509-8



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Sodium phosphate tribasic dodecahydrate > RS - Nuclear

RS

Code	Size	Packaging	Notes
526001	25 kg	Drum	

For specifications, contact our customer service for a certificate of analysis

Sodium phosphate tribasic dodecahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description	White crystals	Water-insoluble matter	≤ 100 ppm	Heavy metals (Pb)	≤ 10 ppm
Identification	Positive	Chloride	≤ 10 ppm	Fe	≤ 10 ppm
Free alkalies (NaOH)	≤ 2.5 %	Sulphate	≤ 100 ppm	Assay (alkalimetric)	98.0 ÷ 102.0 %

Code	Size	Packaging	Notes
480275	100 g	Plastic bottle	
480276	500 g	Plastic bottle	
480277	1 kg	Plastic bottle	
480272	5 kg	Plastic tank	
480271	25 kg	Fibre drum	

Sodium phosphate tribasic dodecahydrate > RE - Pure

RE

Description	White powder	pH sol. 1%	11.8 ÷ 12.5	Assay (alkalimetric)	≥ 95.0 %
Identification	Positive	Water-insoluble matter	≤ 0.2 %		

Code	Size	Packaging	Notes
369309	5 kg	Plastic tank	
369301	25 kg	Plastic bucket	



Sodium o-Phosphite pentahydrate

- Sodio o-fosfito pentaidrato • Sodium o-Phosphite pentahydraté • Sodio o-Fosfito pentahidrat
- Natrium-o-phosphitpentahydrat

Synonym:

- *Sodium phosphite dibasic pentahydrate*
- *di-Sodium hydrogen phosphite*

Na₂HPO₃·5H₂O
Molecular Weight: 216
CAS: 13517-23-2

Sodium o-Phosphite pentahydrate > RPE - For analysis

RPE

Description	Colorless transparent granule crystal, weak odor	Water	38.0 ÷ 45.0 %	Assay (oxidimetric)	97.0 ÷ 102.0 %
Identification	Positive	Heavy metals (Pb)	≤ 25 ppm		

Code	Size	Packaging	Notes
482042	25 kg	Plastic bucket	
482041	50 kg	Fibre drum	

**Sodium pyrophosphate decahydrate**

• Sodio pirofosfato decaidrato • Sodium pyrophosphate décahydraté • Sodio pirofosfato decahidrato
• Natriumpyrophosphatdecahydrat

Synonym:

Sodium pyrophosphate tetrabasic decahydrate

$\text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$
Molecular Weight: 446,06
CAS: 13472-36-1
EEC-N: 231-767-1

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Sodium pyrophosphate decahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description White crystals Total nitrogen ≤10 ppm Heavy metals (Pb) ≤10 ppm Assay (acidimetric) 99.0 ÷ 103.0 %
Identification Positive Chloride ≤20 ppm Sulphate ≤50 ppm
pH sol. 5% at 25° C 9.5 ÷ 10.5 Water-insoluble matter ≤100 ppm Fe ≤10 ppm

Code	Size	Packaging	Notes
482426	100 g	Plastic bottle	
482427	1 kg	Plastic bottle	
482422	10 kg	Box	
482421	25 kg	Drum	

**Sodium salicylate**

• Sodio salicilato • Sodium salicylate • Sodio salicilato • Natriumsalicylat

Synonym:

• *Salicylic acid sodium salt*
• *Sodium-2-hydroxybenzoate*

$\text{HO}_2\text{C}_6\text{H}_4\text{COONa}$
Molecular Weight: 160,11
CAS: 54-21-7
EEC-N: 200-198-0

**Warning**

H302
P264-P270-P301+P312a-P330-P501a

Sodium salicylate > ERBapharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP-DAB**ERBapharm**

Description White crystalline powder Sulphite+thiosul. (SO₂).... Conform USP-NF Heavy metals (Pb) ≤ 20 ppm Water (K.F.) ≤ 0.5 %
Identification Positive Organic volatile impurities Conform USP-NF Sulphate ≤ 0.06 %
Appearance of solution Conform Ph.Eur. Loss on drying ≤ 0.5 % Assay (non-aqueous medium) .99.0 ÷ 100.5
Acidity Conform Ph.Eur. Chloride ≤ 0.02 % % s.s.

Code	Size	Packaging	Notes
373607	1 kg	Plastic bottle	
373608	5 kg	Plastic tank	
373603	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium silicate**

• Sodio silicato • Sodium silicate • Sodio silicato • Natriumsalicylat

Synonym:

Water glass

$\text{Na}_2\text{O} \cdot x\text{SiO}_2$
Molecular Weight: 182,13 (an.)
CAS: 1344-09-8
EEC-N: 215-687-4

**Danger**

H315-H318-H335
P261-P304+P340-P310a-P305+P351+P338-
P362+P364-P403+P233

Sodium silicate > RE - Pure**RE**

Description White powder Identification Positive Loss on drying ~ 16 % Assay(Na₂O 2SiO₂ anydr) ≥72 %

Code	Size	Packaging	Notes
373908	2.5 kg	Plastic bucket	
373909	5 kg	Plastic bucket	
373902	25 kg	Fibre drum	



Sodium succinate hexahydrate

- Sodio succinato esaidrato • Sodium succinate hexahydraté • Sodio succinato hexahidratado
- Natriumsuccinat-Hexahydrat

Synonym:

- Butanedioic acid disodium salt
- Succinic acid disodium salt

(CH₂COONa)₂·6H₂O
Molecular Weight: 270,15
CAS: 6106-21-4
EEC-N: 205-778-7

Sodium succinate hexahydrate > RPE - For analysis

RPE

Description	White crystalline powder	Phosphate	≤20 ppm	Ca	≤50 ppm	Pb	≤2 ppm
Identification	Positive	Water-insoluble matter	≤50 ppm	Cu	≤2 ppm	Zn	≤2 ppm
pH sol. 5% at 25° C	8.4 ÷ 9.2	Heavy metals (Pb)	≤5 ppm	Fe	≤5 ppm	Assay (non-aqueous medium)	≥99 %
Ammonium	≤10 ppm	Sulphate	≤50 ppm	K	≤50 ppm		
Chloride	≤10 ppm	As	≤1 ppm	Ni	≤2 ppm		

Code	Size	Packaging	Notes
483554	100 g	Plastic bottle	
483555	250 g	Plastic bottle	
483557	2.5 kg	Plastic bottle	
483551	25 kg	Fibre drum	



Sodium sulfate anhydrous

- Sodio solfato anidro • Sodium sulfate anhydre • Sodio solfato anhidro • Natriumsulfat wasserfrei

Na₂SO₄
Molecular Weight: 142,04
CAS: 7757-82-6
EEC-N: 231-820-9

Sodium sulfate anhydrous > RS - For anhydriification

RS

Description	Crystals or white crystalline powder	Identification	Positive	pH (10% solution)	6 - 10	Fe	≤5 ppm
		Loss on drying 130°C	≤ 1 %	NaCl	≤ 0.25 %	Assay (acidimetric)	≥ 99 %

Code	Size	Packaging	Notes
P1320017	1 kg	Plastic bottle	
P1320027	5 kg	Plastic tank	
P1320044	25 kg	Plastic bucket	

Sodium sulfate anhydrous > RS - For residual pesticides analysis

RS

Description	Crystals or white crystalline powder	Loss on ignition	≤0.5 %	Chloride	≤10 ppm	As	≤1 ppm
Identification	Positive	Total nitrogen	≤5 ppm	Water-insoluble matter	≤50 ppm	Fe	≤10 ppm
pH sol. 5% in H ₂ O	5.2 ÷ 9.2	Calcium + Magnesium	≤ 150 ppm	Heavy metals (Pb)	≤5 ppm	Assay (acidimetric)	≥99.0 %

Code	Size	Packaging	Notes
483025	500 g	Glass bottle	

Sodium sulfate anhydrous > RPE - Crystalline powder - For analysis - ACS - ISO

RPE

Description	Crystals or white crystalline powder	Loss on ignition	≤0.5 %	Phosphate	≤10 ppm	K	≤100 ppm
Identification	Positive	Water-insoluble matter	≤100 ppm	Heavy metals (Pb)	≤5 ppm	Mg	≤50 ppm
pH sol. 5% in H ₂ O	5.2 ÷ 9.2	Total nitrogen	≤5 ppm	Ca	≤100 ppm	Assay (acidimetric)	≥99.0 %
		Chloride	≤10 ppm	Fe	≤10 ppm		

Code	Size	Packaging	Notes
483006	100 g	Plastic bottle	
483005	500 g	Plastic bottle	
483007	1 kg	Plastic bottle	
483009	5 kg	Plastic jar	
483001	25 kg	Plastic bucket	

Sodium sulfate anhydrous > ERBapharm - According to pharmacopoeia: Ph.Eur.**ERBapharm**

Description	White powder	Chloride	≤ 450 ppm	Mg	≤ 200 ppm	Residual solvents (Current ICH).....	Conform
Identification	Positive	Heavy metals (Pb).....	≤ 45 ppm	Loss on drying 130°C.....	≤ 0,5 %		
Appearance of solution	Conform Ph. Eur.	Ca	≤ 450 ppm	Assay	98.5 ÷ 101.0 %		
Acidity or alkalinity.....	Conform Ph.Eur.	Fe	≤ 90 ppm	Origin (BSE/TSE).....	Synthesis		

Code	Size	Packaging	Notes
375713	1 kg	Plastic bottle	
375716	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium sulfate decahydrate**

- Sodio solfato decaidrato • Sodium sulfate décahydraté • Sodio solfato decahidrato
- Natriumsulfat-Decahydrat

Synonym:
Glauber's salt

Na₂SO₄·10H₂O
Molecular Weight: 322,19
CAS: 7727-73-3
EEC-N: 231-820-9

Sodium sulfate decahydrate > RPE - For analysis - ACS**RPE**

Description	White crystals	Chloride	≤ 5 ppm	Ca	≤ 50 ppm	Assay (acidimetric)	≥ 99 %
Identification	Positive	Phosphate	≤ 5 ppm	Fe	≤ 5 ppm		
pH solution 5%	5.2 ÷ 9.2	Water-insoluble matter	≤ 100 ppm	K	≤ 50 ppm		
Total nitrogen	≤ 3 ppm	Heavy metals (Pb).....	≤ 3 ppm	Mg	≤ 30 ppm		

Code	Size	Packaging	Notes
482957	1 kg	Plastic bottle	
482959	5 kg	Plastic tank	

**Sodium sulfide nonahydrate**

- Sodio solfuro nonaidrato • Sodium sulfure nonahydraté • Sodio solfuro nonahidrato • Natriumsulfid-Nonahydrat

Na₂S·9H₂O
Molecular Weight: 240,18
CAS: 1313-84-4
EEC-N: 215-211-5

Classification transport

ONU: 1849
Transport Hazard class: 8
Packing group II

**Danger**

H302-H311-H314-H400
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P361+P364

Sodium sulfide nonahydrate > RPE - For analysis - ACS**RPE**

Description	Crystals or Chunks	Ammonium	≤ 50 ppm	Sulphite and thiosulphate (SO ₄)	≤ 0.1 %
Identification	Positive	Fe	Conform	Assay (oxidimetric)	≥ 98.0 %

Code	Size	Packaging	Notes
483484	100 g	Plastic bottle	
483485	250 g	Plastic bottle	
483487	1 kg	Plastic bottle	
483489	5 kg	Plastic tank	

**Sodium sulfide nonahydrate solution**

- Sodio solfuro nonaidrato soluzione • Sodium sulfure nonahydraté solution • Sodio solfuro nonahidrato solución • Natriumsulfid-Nonahydrat-Lösung

Na₂S·9H₂O
Molecular Weight: 240,18
CAS: 1313-84-4

Classification transport

ONU: 2922
Transport Hazard class: 8
Packing group III

**Danger**

H302-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sodium sulfide nonahydrate solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611083901	100 ml	Plastic bottle	Ref Ph.Eur 1083901
611083902	100 ml	Plastic bottle	Sodium sulfide solution R1 Ref Ph.Eur 1083902



Sodium sulfide trihydrate

• Sodio solfuro triidrato • Sodium sulfure trihydraté • Sodio sulfuro trihidrato • Natriumsulfid-Trihydrat

Na₂S·3H₂O

Molecular Weight: 132

CAS: 42607-30-7

EEC-N: 215-211-5

Classification transport

ONU: 1849

Transport Hazard class: 8

Packing group II



Danger

H301-H314-HEU031

P280-P301+P310a-P301+P330+P331-

P303+P361+P353-P304+P340-P305+P351+P338

Sodium sulfide trihydrate > RE - Pure

RE

Description Scaglie gialle Identification Positive Assay (oxidimetric) ≥97 %

Code	Size	Packaging	Notes
376403	25 kg	Fibre drum	



Sodium sulfite anhydrous

• Sodio solfito anidro • Sodium sulfite anhydre • Sodio solfito anhidro • Natriumsulfit wasserfrei

Na₂SO₃

Molecular Weight: 126,04

CAS: 7757-83-7

EEC-N: 231-821-4

HEU031

Sodium sulfite anhydrous > RPE - For analysis - ACS

RPE

Description White powder Free alkalinity ≤0.03 meq/g Heavy metals (Pb) ≤10 ppm
 Identification Positive Chloride ≤200 ppm Fe ≤10 ppm
 Acidity Conform Water-insoluble matter ≤50 ppm Assay (oxidimetric) ≥98.0 %

Code	Size	Packaging	Notes
483256	100 g	Plastic bottle	
483257	1 kg	Plastic bottle	
483258	2.5 kg	Plastic bottle	
483252	25 kg	Plastic bucket	

Sodium sulfite anhydrous > ERBApharm - According to pharmacopeia: BP-Ph.Eur.

ERBApharm

Description White powder Heavy metals (Pb) ≤10 ppm Se ≤10 ppm
 Identification Positive Thiosulphate ≤0.1 % Zn ≤25 ppm
 Appearance of solution Conform Ph.Eur. Fe ≤10 ppm Assay (oxidimetric) 95.0 ÷ 100.5 %

Code	Size	Packaging	Notes
376006	1 kg	Plastic bottle	
376008	2.5 kg	Plastic bottle	
376009	5 kg	Plastic tank	
376002	10 kg	Plastic tank	
376003	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sodium sulfocyanate**

• Sodio solfocianuro • Sodium sulfocyanure • Sodio solfocianuro • Natriumsulfocyanid

Synonym:

- Sodium thiocyanate
- Sodium rhodanate

NaSCN
Molecular Weight: 81,07
CAS: 540-72-7
EEC-N: 208-754-4

**Warning**

H302-HEU032
P264-P270-P301+P312a-P330-P501a

Sodium sulfocyanate > RPE - For analysis - ACS**RPE**

Description White crystals
Identification Positive
Ammonium ≤20 ppm
Carbonate ≤0.2 %
Chloride ≤100 ppm
Water-insoluble matter ≤50 ppm
Heavy metals (Pb) ≤5 ppm
Sulphate ≤100 ppm
Sulphide ≤10 ppm
Fe ≤2 ppm
Assay (argentimetric) ≥98.0 %

Code	Size	Packaging	Notes
483354	100 g	Plastic bottle	
483356	500 g	Plastic bottle	

**Sodium tartrate dihydrate**

• Sodio tartrato diidrato • Sodium tartrate dihydraté • Sodio tartrato diidrato • Natriumtartratdihydrat

Synonym:

- L-(+)-tartaric acid disodium salt
- Disodium tartrate dihydrate

(CHOHCOONa)₂·2H₂O
Molecular Weight: 230,08
CAS: 6106-24-7
EEC-N: 212-773-3

Sodium tartrate dihydrate > RS - For Karl Fischer's reagent standardization - ACS**RS**

Description White crystalline powder
Identification Positive
pH sol. 5% at 25° C 7.0 ÷ 9.0
Loss on drying 150° C 15.61 ÷ 15.71 %
Ammonium ≤30 ppm
Chloride ≤5 ppm
Phosphate ≤5 ppm
Water-insoluble matter ≤50 ppm
Heavy metals (Pb) ≤5 ppm
Sulphate ≤50 ppm
Ca ≤100 ppm
Fe ≤10 ppm
Assay (non-aqueous medium) .99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
483561	100 g	Plastic bottle	

Sodium tartrate dihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description White crystalline powder
Identification Positive
pH sol. 5% at 25° C 7.0 ÷ 9.0
Loss on drying at 150°C. 15.61 ÷ 15.71 %
Ammonium ≤ 30 ppm
Chloride ≤ 5 ppm
Phosphate ≤ 5 ppm
Water-insoluble matter ≤ 50 ppm
Heavy metals (Pb) ≤ 5 ppm
Sulphate ≤ 50 ppm
Ca ≤ 100 ppm
Fe ≤ 10 ppm
Assay (non-aqueous medium) .99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
483635	100 g	Plastic bottle	
483636	500 g	Plastic bottle	
483637	1 kg	Plastic bottle	

**Sodium tetraborate anhydrous**

• Sodio tetraborato anidro • Sodium tétraborate anhydre • Sodio tetraborato anhidro • Natriumtetraborat wasserfrei

Synonym:

Borax

Na₂B₄O₇
Molecular Weight: 201,22
CAS: 1330-43-4
EEC-N: 215-540-4

**Danger**

H360FD-HA26
P201-P202-P280-P308+P313-P405-P501a

Sodium tetraborate anhydrous > RPE - For analysis**RPE**

Description White crystals
Identification Positive
Chloride ≤ 500 ppm
Heavy metals (Pb) ≤ 50 ppm
Ca ≤ 500 ppm
Fe ≤ 100 ppm
Assay (acidimetric) ≥ 98.0 %

Code	Size	Packaging	Notes
483735	100 g	Plastic bottle	
483736	1 kg	Plastic bottle	



Sodium tetraborate decahydrate

• Sodio tetraborato decaidrato • Sodium tétraborate décahydraté • Sodio tetraborato decahidrato
• Natriumtetraboratdecahydrat

Synonym:
Borax decahydrate

Na₂B₄O₇·10H₂O
Molecular Weight: 381,37
CAS: 1303-96-4
EEC-N: 215-540-4



Danger

H319-H360FD-HA26
P264-P280-P305+P351+P338-P308+P313-
P337+P313-P501a

Sodium tetraborate decahydrate > RPE - For analysis - ACS - ISO

RPE

Description	White crystals	Phosphate	≤5 ppm	Ca	≤50 ppm	Ni	≤2 ppm
Identification	Positive	Water-insoluble matter	≤30 ppm	Cu	≤2 ppm	Pb	≤2 ppm
pH sol. M/100 at 25° C	9.00 ÷ 9.50	Heavy metals (Pb)	≤5 ppm	Fe	≤5 ppm	Zn	≤2 ppm
Carbonate	≤50 ppm	Sulphate	≤10 ppm	K	≤50 ppm	Assay (acidimetric)	≥99.5 %
Chloride	≤5 ppm	As	≤1 ppm	Mg	≤10 ppm		

Code	Size	Packaging	Notes
478815	100 g	Plastic bottle	
478816	500 g	Plastic bottle	
478817	1 kg	Plastic bottle	
478819	5 kg	Plastic tank	
478812	25 kg	Plastic bucket	

Sodium tetraborate decahydrate > ERBApharm - According to pharmacopoeia: BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White crystalline powder	Carbonates and bicarb.....	Conform USP-NF	Heavy metals (Pb)	≤ 20 ppm	Ca	≤ 100 ppm
Identification	Positive	pH sol. 4% at 25 °C	9.0 ÷ 9.6	Sulphate	≤ 50 ppm	Fe	≤ 4 ppm
Appearance of solution	Conform Ph.Eur	Ammonium	≤ 10 ppm	As	≤ 5 ppm	Assay (alkalimetric)	99.0 ÷ 103.0 %

Code	Size	Packaging	Notes
367207	1 kg	Plastic bottle	
367209	5 kg	Plastic tank	
367201	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sodium tetraphenylborate

• Sodio tetrafenilborato • Sodium tétraphénylborate • Sodio tetrafenilborato • Natriumtetraphenylborat

Synonym:
Tetraphenylboron sodium salt

Na[B(C₆H₅)₄]
Molecular Weight: 342,23
CAS: 143-66-8
EEC-N: 205-605-5

Classification transport

ONU: 2811
Transport Hazard class: 6.1
Packing group III



Danger

H301
P264-P270-P301+P310a-P330-P405-P501a

Sodium tetraphenylborate > RPE - For analysis - ACS

RPE

Description	White crystalline powder	Appearance of solution	Conform	Assay (gravimetric)	≥99.5 %
Identification	Positive	Loss on drying	≤0.5 %		

Code	Size	Packaging	Notes
483758	5 g	Glass bottle	
483751	25 g	Glass bottle	

Reagent for the precipitation titration and potassium

Sodium thiocyanate ▶ Sodium sulfocyanate

**Sodium thiosulfate anhydrous**

• Sodio tiosolfato anidro • Sodium thiosulfate anhydrous • Sodio tiosulfato anhidro • Natriumthiosulfat wasserfrei



Molecular Weight: 158,11

CAS: 7772-98-7

EEC-N: 231-867-5

Sodium thiosulfate anhydrous > RE - Pure**RE**

Description White crystalline powder pH sol 10% 6.5 ÷ 9.5 Loss on drying ≤ 2 % Assay (oxidimetric) ≥ 98 %
 Identification Positive Sulphat + sulphit (SO4) ≤ 1 % Heavy metals (Pb) ≤ 50 ppm Fe ≤ 50 ppm

Code	Size	Packaging	Notes
378377	1 kg	Plastic bottle	
378378	5 kg	Plastic tank	
378372	10 kg	Plastic tank	

**Sodium thiosulfate pentahydrate**

• Sodio tiosolfato pentaidrato • Sodium thiosulfate pentahydraté • Sodio tiosulfato pentaidrato • Natriumthiosulfat pentahydrat



Molecular Weight: 248,18

CAS: 10102-17-7

EEC-N: 231-867-5

Sodium thiosulfate pentahydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP**RPE**

Description Semitransparent crystals Total nitrogen ≤ 20 ppm Sulphide ≤ 1 ppm pH sol. 10% at 20°C 6.0 ÷ 8.4
 Identification Positive Water-insoluble matter ≤ 50 ppm Assay (iodometric) 99.5 ÷ 101.0 % Heavy metals (Pb) ≤ 10 ppm
 pH sol. 5% at 25° C 6.0 ÷ 8.4 Sulphat + sulphit (SO4) ≤ 0.1 % Appearance of solution Conform

Code	Size	Packaging	Notes
483825	100 g	Plastic bottle	
483826	500 g	Plastic bottle	
483827	1 kg	Plastic bottle	
483829	5 kg	Plastic tank	
483821	25 kg	Plastic bucket	

Sodium thiosulfate pentahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP**ERBApharm**

Description Colourless crystals Sulphide Conform Ph.Eur. Loss at 45°C 32.0 ÷ 37.0 % Assay (iodometric) 99.0 ÷ 100.5 % s.s.
 Identification Positive Ca Conform USP-NF Sulphat + sulphit (SO4) ≤ 0.2 %
 Appearance of solution Conform Ph.Eur. pH sol 10% 6.0 ÷ 8.4 Heavy metals (Pb) ≤ 10 ppm

Code	Size	Packaging	Notes
377907	1 kg	Plastic bottle	
377909	5 kg	Plastic tank	
377901	25 kg	Drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade**Sodium thiosulfate pentahydrate > RE - Pure****RE**

Description Colourless crystals Heavy metals (Pb) ≤ 10 ppm Fe ≤ 5 ppm
 Identification Positive S ≤ 20 ppm Assay (oxidimetric) ≥ 99 %

Code	Size	Packaging	Notes
378207	1 kg	Plastic bottle	
378209	5 kg	Plastic tank	
378202	25 kg	Plastic bucket	



Sodium thiosulfate 1 mol/l (1N)

• Sodio tiosulfato 1 mol/l (1N) • Sodium thiosulfate 1 mol/l (1N) • Sodio tiosulfato 1 mol/l (1N) • Natriumthiosulfat 1 mol/l (1N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 248,18
CAS: 10102-17-7

Sodium thiosulfate 1 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.99 - 1.01 N

Code	Size	Packaging	Notes
484026	500 ml	Plastic bottle	

158,11 g of Na₂S₂O₃. Volumetric solution ready-to-use



Sodium thiosulfate 0.5 mol/l (0.5N)

• Sodio tiosulfato 0.5 mol/l (0.5N) • Sodium thiosulfate 0.5 mol/l (0.5N) • Sodio tiosulfato 0.5 mol/l (0.5N) • Natriumthiosulfat 0.5 mol/l (0.5N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 248,18
CAS: 10102-17-7

Sodium thiosulfate 0.5 mol/l (0.5N) > RPE - For analysis

RPE

Assay (potentiometry) 0.499 - 0.501 N

Code	Size	Packaging	Notes
P3530015	1 l	Plastic bottle	



Sodium thiosulfate 0.2 mol/l (0.2N)

• Sodio tiosulfato 0.2 mol/l (0.2N) • Sodium thiosulfate 0.2 mol/l (0.2N) • Sodio tiosulfato 0.2 mol/l (0.2N) • Natriumthiosulfat 0.2 mol/l (0.2N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 248,18
CAS: 10102-17-7

Sodium thiosulfate 0.2 mol/l (0.2N) > RPE - For analysis

RPE

Assay (potentiometry) 0.1998 - 0.2002 N

Code	Size	Packaging	Notes
P3520022	5 l	Plastic tank	



Sodium thiosulfate 0.1 mol/l (0.1N)

• Sodio tiosulfato 0.1 mol/l (0.1N) • Sodium thiosulfate 0.1 mol/l (0.1N) • Sodio tiosulfato 0.1 mol/l (0.1N) • Natriumthiosulfat 0.1 mol/l (0.1N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 248,18
CAS: 10102-17-7

Sodium thiosulfate 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613007301	500 ml	Glass bottle	Ref Ph.Eur 3007300
613007300	1 l	Glass bottle	Ref Ph.Eur 3007300

Sodium thiosulfate 0.1 mol/l (0.1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 136.....e

Code	Size	Packaging	Notes
484077000	1 l	Glass bottle	Certified with NIST traceability
484072000	5 l	Kubidos	Certified with NIST traceability
484071000	10 l	Kubidos	Certified with NIST traceability

15.811 g of Na₂S₂O₃. Volumetric solution ready-to-use

Sodium thiosulfate 0.1 mol/l (0.1N) > RPE - NORMEX - For analysis**RPE**

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
484121		Plastic ampoule	Volume: 55 ml

Volumetric concentrated solution to prepare 1 L of solution 0,1 M**Sodium thiosulfate 0.0394 mol/l (0.0394N)**

- Sodio tiosolfato 0.0394 mol/l (0.0394N) • Sodium thiosulfate 0.0394 mol/l (0.0394N) • Sodio tiosolfato 0.0394 mol/l (0.0394N)
- Natriumthiosulfat 0.0394 mol/l (0.0394N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 248,18
CAS: 10102-17-7

Sodium thiosulfate 0.0394 mol/l (0.0394N) > RPE - For analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 0.0390 - 0.0398 N

Code	Size	Packaging	Notes
484141	2.5 l	Glass bottle	

**Sodium thiosulfate 0.0197 mol/l (0.0197N)**

- Sodio tiosolfato 0.0197 mol/l (0.0197N) • Sodium thiosulfate 0.0197 mol/l (0.0197N) • Sodio tiosolfato 0.0197 mol/l (0.0197N)
- Natriumthiosulfat 0.0197 mol/l (0.0197N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
CAS: 10102-17-7

Sodium thiosulfate 0.0197 mol/l (0.0197N) > RPE - For analysis**RPE**

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
484155	2.5 l	Glass bottle	

**Sodium thiosulfate 0.01 mol/l (0.01N)**

- Sodio tiosolfato 0.01 mol/l (0.01N) • Sodium thiosulfate 0.01 mol/l (0.01N) • Sodio tiosolfato 0.01 mol/l (0.01N) • Natriumthiosulfat 0.01 mol/l (0.01N)

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight: 248,18
CAS: 10102-17-7

Sodium thiosulfate 0.01 mol/l (0.01N) > RPE - NORMEX - For analysis**RPE**

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
484161		Plastic ampoule	Volume: 55 ml

1,581 g Na₂S₂O₃. Volumetric concentrated solution to prepare 1 L of solution 0,01 N**Sodium p-toluenesulfonate ► p-Toluenesulfonic acid sodium salt**



Sodium tungstate dihydrate

- Sodio tungstato diidrato • Sodio tungstate dihydraté • Sodio tungstato dihidrato
- Natriumwolframatdihydrat

Synonym:
Tungstic acid sodium salt dihydrate

Na₂WO₄·2H₂O
Molecular Weight: 329,86
CAS: 10213-10-2
EEC-N: 236-743-4



Warning
H302-H319
P264-P280i-P301+P312a-P305+P351+P338-
P337+P313-P501a

Sodium tungstate dihydrate > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystals Chloride ≤ 50 ppm Sulphate ≤ 100 ppm
Identification Positive Water-insoluble matter ≤ 100 ppm Mo ≤ 10 ppm
Free alkalinity ≤ 0.02 meq/g Heavy metals and Fe(Pb) ≤ 10 ppm Assay (gravimetric) 99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
484233	50 g	Glass bottle	
484236	500 g	Plastic bottle	



Solvent Plus

- Solvente Plus • Solvant Plus • Disolvente Plus • Lösungsmittel Plus

Molecular Weight: 176
CAS: 68551-19-9
EEC-N: 271-369-5

Classification transport
ONU: 1993
Transport Hazard class: 3
Packing group III



Danger
H226-H304-HEU066
P210-P241-P280-P301+P310a-P303+P361+P353-
P403+P235

Solvent Plus > RS - For histology

RS

Description Clear liquid Identification Positive Aromatic compounds ≤ 0.05 % Distillation range 175 ÷ 213 °C

Code	Size	Packaging	Notes
446187	2.5 l	Glass bottle	
446181	5 l	Plastic tank	

Isoparaffins based histological clearing agent



Sorbitol

- Sorbitolo • Sorbitol • Sorbitol • Sorbit

Synonym:
D-Glucitol

C₆H₁₄O₆
Molecular Weight: 182,17
CAS: 50-70-4
EEC-N: 200-061-5

Sorbitol > ERBapharm - According to pharmacopoeia: FU-Ph.Eur.

ERBapharm

Description White crystalline powder Reducing sugar Conform Ph.Eur. Sostanze analoghe (HPLC) Conform Ph.Eur. Escherichia coli Absent Ph. Eur.
Identification Positive Assay (HPLC) 97.0 ÷ 102.0 % anidro Conductivity ≤ 20 µS.cm-1 Salmonella Absent Ph. Eur.
Water (K.F) ≤ 1.5 % Appearance of solution Conform Ph.Eur. Microbial tests
Ni ≤ 1 ppm Specific optical rotation (anhydrous) +4.0 ÷ TAMC ≤ 1000 CFU/g
Pb ≤ 0.5 ppm +7.0 ° TYMC ≤ 100 CFU/g

Code	Size	Packaging	Notes
379013	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sorbitol (no crystallizable) solution 70%

- Sorbitolo (non cristallizzabile) soluzione 70% • Sorbitol solution 70%
- Sorbitol (no cristalizable) solución 70% • Sorbitollösung 70%

Synonym:
D-Glucitol

$C_6H_{14}O_6$
Molecular Weight: 182,17
CAS: 50-70-4
EEC-N: 200-061-5

Sorbitol (no crystallizable) solution 70% > ERBApharm - According to pharmacopoeia: Ph.Eur.-NF

ERBApharm

Description	Clear colourless liquid	Conductivity	≤ 10 $\mu S \cdot cm^{-1}$	Specific optical rotation.....	+1.5 - +3.5 °	Sostanza anidra	68.0 ÷ 72.0 %
Identification	Positive	Ni	≤ 1 ppm	Residue on ignition	≤ 0.1 %	D- Sorbitolo	72.0 ÷ 92.0 %
Appearance of solution	Conform Ph.Eur.	Reducing sugar	≤ 0.2 %	pH sol. 14%	5.0 - 7.5		
Water (K.F.)	28.5 ÷ 31.5 %	Zuccheri riducenti dopo idrolisi.....	≤ 9.3 %	Assay (HPLC)			

Code	Size	Packaging	Notes
379021	1 l	Plastic bottle	
379022	5 l	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



D-Sorbitol

- D-Sorbitolo • D-Sorbitol • D-Sorbitol • Sorbit D

Synonym:
D-Glucitol

$C_6H_{14}O_6$
Molecular Weight: 182,17
CAS: 50-70-4
EEC-N: 200-061-5

D-Sorbitol > RPE - For analysis

RPE

Description	White crystalline powder	Heavy metals (Pb).....	≤10 ppm	Total sugars(Glucose).....	≤0.3 %	Assay (oxidimetric)	≥98 %
Identification	Positive	Residue on ignition.....	≤0.1 %	As	≤2 ppm		
Loss on drying	≤1 %	Sulphate	≤100 ppm	Ca	≤50 ppm		
Chloride.....	≤50 ppm	Red.ing sugars(Glucose)	≤0.1 %	Fe	≤10 ppm		

Code	Size	Packaging	Notes
484704	100 g	Plastic bottle	
484705	250 g	Plastic bottle	
484701	1 kg	Plastic bottle	



Standard solution 1.30 $\mu S/cm$

- Soluzione standard da 1.30 $\mu S/cm$ • Etalon de conductivité 1.30 $\mu S/cm$ • Solución patrón de 1.30 $\mu S/cm$ • Leitfähigkeitsstandard 1.30 $\mu S/cm$

Classification transport

ONU: 1274
Transport Hazard class: 3
Packing group III



Danger

H226-H302-H318-H336
P210-P280-P303+P361+P353-P304+P340-P310a-
P305+P351+P338-P403+P233

Standard solution 1.30 $\mu S/cm$ > RS - For conductivity

RS

Description	Clear colourless liquid	Identification	Positive	Conductivity at 25°C	1.25 ÷ 1.35 $\mu S/cm$
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Code	Size	Packaging	Notes
575231	250 ml	Glass bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 5 µS/cm

• Soluzione standard da 5 µS/cm • Etalon de conductivité 5 µS/cm • Solución patrón de 5 µS/cm • Leitfähigkeitsstandard 5 µS/cm

Classification transport
ONU: 1274
Transport Hazard class: LQ



Danger
H226-H302-H318-H336
P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Standard solution 5 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 4.95 ÷ 5.05 µS/cm

Code	Size	Packaging	Notes
575001	250 ml	Glass bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 10 µS/cm

• Soluzione standard da 10 µS/cm • Etalon de conductivité 10µS/cm • Solución patrón de 10 µS/cm • Leitfähigkeitsstandard 10 µS/cm

Classification transport
ONU: 1274
Transport Hazard class: 3
Packing group III



Danger
H226-H302-H318-H336
P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Standard solution 10 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 9.80 ÷ 10.20 µS/cm

Code	Size	Packaging	Notes
575011	250 ml	Glass bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 20 µS/cm

• Soluzione standard da 20 µS/cm • Etalon de conductivité 20 µS/cm • Solución patrón de 20 µS/cm • Leitfähigkeitsstandard 20 µS/cm

Classification transport
ONU: 1274
Transport Hazard class: LQ



Danger
H226-H302-H318-H336
P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Standard solution 20 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 19.80 ÷ 20.20 µS/cm

Code	Size	Packaging	Notes
575021	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 50 µS/cm

• Soluzione standard da 50 µS/cm • Etalon de conductivité 50 µS/cm • Solución patrón de 50 µS/cm • Leitfähigkeitsstandard 50 µS/cm

Classification transport
ONU: 1274
Transport Hazard class: 3
Packing group III



Danger
H226-H318-H336
P210-P280-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Standard solution 50 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 49.0 - 51.0 µS/cm

Code	Size	Packaging	Notes
575031	500 ml	Glass bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 84 µS/cm**

• Soluzione standard da 84 µS/cm • Etalon de conductivité 84 µS/cm • Solución patrón de 84 µS/cm • Leitfähigkeitsstandard 84 µS/cm

Standard solution 84 µS/cm > RS - For conductivity**RS**

Description Clear colourless liquid Identification Positive Conductivity at 25°C 83.16 ÷ 84.84 µS/cm

Code	Size	Packaging	Notes
575041	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 100 µS/cm**

• Soluzione standard da 100 µS/cm • Etalon de conductivité 100 µS/cm • Solución patrón de 100 µS/cm • Leitfähigkeitsstandard 100 µS/cm

Standard solution 100 µS/cm > RS - For conductivity**RS**

Description Clear colourless liquid Identification Positive Conductivity at 25°C 99.0 ÷ 101.0 µS/cm

Code	Size	Packaging	Notes
575051	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 147 µS/cm**

• Soluzione standard da 147 µS/cm • Etalon de conductivité 147 µS/cm • Solución patrón de 147 µS/cm • Leitfähigkeitsstandard 147 µS/cm

Standard solution 147 µS/cm > RS - For conductivity**RS**

Description Clear colourless liquid Identification Positive Conductivity at 25°C 145.5 ÷ 148.5 µS/cm

Code	Size	Packaging	Notes
575061	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 200 µS/cm**

• Soluzione standard da 200 µS/cm • Etalon de conductivité 200 µS/cm • Solución patrón de 200 µS/cm • Leitfähigkeitsstandard 200 µS/cm

Standard solution 200 µS/cm > RS - For conductivity**RS**

Description Clear colourless liquid Identification Positive Conductivity at 25°C 198.0 ÷ 202.0 µS/cm

Code	Size	Packaging	Notes
575071	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 500 µS/cm**

• Soluzione standard da 500 µS/cm • Etalon de conductivité 500 µS/cm • Solución patrón de 500 µS/cm • Leitfähigkeitsstandard 500 µS/cm

Standard solution 500 µS/cm > RS - For conductivity**RS**

Description Clear colourless liquid Identification Positive Conductivity at 25°C 495.0 ÷ 505.0 µS/cm

Code	Size	Packaging	Notes
575081	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 1000 µS/cm

• Soluzione standard da 1000 µS/cm • Etalon de conductivité 1000 µS/cm • Solución patrón de 1000 µS/cm • Leitfähigkeitsstandard 1000 µS/cm

Standard solution 1000 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 990.0 ÷ 1010.0 µS/cm

Code	Size	Packaging	Notes
575091	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 1413 µS/cm

• Soluzione standard da 1413 µS/cm • Etalon de conductivité 1413 µS/cm • Solución patrón de 1413 µS/cm • Leitfähigkeitsstandard 1413 µS/cm

Standard solution 1413 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 1399 ÷ 1427 µS/cm

Code	Size	Packaging	Notes
575101	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 5000 µS/cm

• Soluzione standard da 5000 µS/cm • Etalon de conductivité 5000 µS/cm • Solución patrón de 5000 µS/cm • Leitfähigkeitsstandard 5000 µS/cm



Warning

H302
P264-P270-P301+P312a-P330-P501a

Standard solution 5000 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 4950 ÷ 5050 µS/cm

Code	Size	Packaging	Notes
575111	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 10000 µS/cm

• Soluzione standard da 10000 µS/cm • Etalon de conductivité 10 000 µS/cm • Solución patrón de 10000 µS/cm • Leitfähigkeitsstandard 10.000 µS/cm



Warning

H302
P264-P270-P301+P312a-P330-P501a

Standard solution 10000 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 9900 ÷ 10100 µS/cm

Code	Size	Packaging	Notes
575121	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 12880 µS/cm

• Soluzione standard da 12880 µS/cm • Etalon de conductivité 12 880 µS/cm • Solución patrón de 12880 µS/cm • Leitfähigkeitsstandard 12 880 µS/cm

Standard solution 12880 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 12751 ÷ 13009 µS/cm

Code	Size	Packaging	Notes
575131	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 20000 $\mu\text{S}/\text{cm}$** • Soluzione standard da 20000 $\mu\text{S}/\text{cm}$ • Etalon de conductivité 20 000 $\mu\text{S}/\text{cm}$ • Solución patrón de 20000 $\mu\text{S}/\text{cm}$ • Leitfähigkeitsstandard 20.000 $\mu\text{S}/\text{cm}$ **Warning**H302
P264-P270-P301+P312a-P330-P501a**Standard solution 20000 $\mu\text{S}/\text{cm}$ > RS - For conductivity****RS**Description Clear colourless liquid Identification Positive Conductivity at 25°C 19800 \div 20200 $\mu\text{S}/\text{cm}$

Code	Size	Packaging	Notes
575141	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Standard solution 50000 $\mu\text{S}/\text{cm}$** • Soluzione standard da 50000 $\mu\text{S}/\text{cm}$ • Etalon de conductivité 50 000 $\mu\text{S}/\text{cm}$ • Solución patrón de 50000 $\mu\text{S}/\text{cm}$ • Leitfähigkeitsstandard 50.000 $\mu\text{S}/\text{cm}$ **Warning**H302
P264-P270-P301+P312a-P330-P501a**Standard solution 50000 $\mu\text{S}/\text{cm}$ > RS - For conductivity****RS**Description Clear colourless liquid Identification Positive Conductivity at 25°C 49500 \div 50500 $\mu\text{S}/\text{cm}$

Code	Size	Packaging	Notes
575151	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Standard solution 100000 $\mu\text{S}/\text{cm}$** • Soluzione standard da 100000 $\mu\text{S}/\text{cm}$ • Etalon de conductivité 100 000 $\mu\text{S}/\text{cm}$ • Solución patrón de 100000 $\mu\text{S}/\text{cm}$ • Leitfähigkeitsstandard 100.000 $\mu\text{S}/\text{cm}$ **Warning**H302
P264-P270-P301+P312a-P330-P501a**Standard solution 100000 $\mu\text{S}/\text{cm}$ > RS - For conductivity****RS**Description Clear colourless liquid Identification Positive Conductivity at 25°C 99000 \div 101000 $\mu\text{S}/\text{cm}$

Code	Size	Packaging	Notes
575161	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Standard solution 150000 $\mu\text{S}/\text{cm}$** • Soluzione standard da 150000 $\mu\text{S}/\text{cm}$ • Etalon de conductivité 150 000 $\mu\text{S}/\text{cm}$ • Solución patrón de 150000 $\mu\text{S}/\text{cm}$ • Leitfähigkeitsstandard 150.000 $\mu\text{S}/\text{cm}$ **Warning**H302
P264-P270-P301+P312a-P330-P501a**Standard solution 150000 $\mu\text{S}/\text{cm}$ > RS - For conductivity****RS**Description Clear colourless liquid Identification Positive Conductivity at 25°C 148500 \div 151500 $\mu\text{S}/\text{cm}$

Code	Size	Packaging	Notes
575171	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 200000 µS/cm

• Soluzione standard da 200000 µS/cm • Etalon de conductivité 200 000 µS/cm • Solución patrón de 200000 µS/cm • Leitfähigkeitsstandard 200.000 µS/cm



Warning

H302
P264-P270-P301+P312a-P330-P501a

Standard solution 200000 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 198000 ÷ 202000 µS/cm

Code	Size	Packaging	Notes
575181	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 300000 µS/cm

• Soluzione standard da 300000 µS/cm • Etalon de conductivité 300 000 µS/cm • Solución patrón de 300000 µS/cm • Leitfähigkeitsstandard 300 000 µS/cm



Warning

H302
P264-P270-P301+P312a-P330-P501a

Standard solution 300000 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 297000 ÷ 303000 µS/cm

Code	Size	Packaging	Notes
575191	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 350000 µS/cm

• Soluzione standard da 350000 µS/cm • Etalon de conductivité 350 000 µS/cm • Solución patrón de 350000 µS/cm • Leitfähigkeitsstandard 350.000 µS/cm



Warning

H290-H302-H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group II

Standard solution 350000 µS/cm > RS - For conductivity

RS

Code	Size	Packaging	Notes
575201	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Standard solution 450000 µS/cm

• Soluzione standard da 450000 µS/cm • Etalon de conductivité 450 000 µS/cm • Solución patrón de 450000 µS/cm • Leitfähigkeitsstandard 450.000 µS/cm



Warning

H290
P234-P390-P406

Classification transport

ONU: 1789
Transport Hazard class: 8
Packing group III

Standard solution 450000 µS/cm > RS - For conductivity

RS

Description Clear colourless liquid Identification Positive Conductivity at 25°C 445500 ÷ 454500 µS/cm

Code	Size	Packaging	Notes
575211	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Standard solution 500000 µS/cm**

• Soluzione standard da 500000 µS/cm • Etalon de conductivité 500 000 µS/cm • Solución patrón de 500000 µS/cm • Leitfähigkeitsstandard 500.000 µS/cm

Classification transportONU: 2796
Transport Hazard class: 8
Packing group II**Danger**H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Standard solution 500000 µS/cm > RS - For conductivity****RS**

Description Clear colourless liquid Identification Positive Conductivity at 25°C 495000 ÷ 505000 µS/cm

Code	Size	Packaging	Notes
575221	500 ml	Plastic bottle	

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Starch paste solution 1%**

• Salda d'amido soluzione 1% • Empois d'amidon solution 1% • Almidón en pasta solución 1% • Stärkelösung 1%

 $(C_6H_{10}O_5)_n$
CAS: 9005-84-9**Starch paste solution 1% > RPE - For analysis****RPE**

Description Colourless opaline liquid Identification Positive

Code	Size	Packaging	Notes
E477301	250 ml	Glass bottle	
E477302	1 l	Bottle	

Stabilized**Starch soluble**

• Amido solubile • Amidon soluble • Almidón soluble • Stärke

 $(C_6H_{10}O_5)_n$
CAS: 9005-84-9
EEC-N: 232-686-4**Starch soluble > RPE - For analysis - Reag. Ph. Eur.****RPE**Description White powder pH solution 2% 5.0 ÷ 7.0 Sulphated ash ≤ 1.5 %
Identification Positive Loss on drying 100° C ≤ 20 %

Code	Size	Packaging	Notes
417585	250 g	Plastic bottle	
417587	1 kg	Plastic bottle	

**Starch soluble solution**

• Amido solubile soluzione • Amidon soluble solution • Almidón soluble solución • Lösliche Stärkelösung

Starch soluble solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611085103	100 ml	Plastic bottle	Ref Ph.Eur 1085103
611085104	1 l	Bottle	Ref Ph.Eur 1085103



Stearic acid

• Acido stearico • Acide stéarique • Acido estearico • Stearinsäure

Synonym:
1-Heptadecanecarboxylic acid

CH₃(CH₂)₁₆COOH
Molecular Weight: 284,48
CAS: 57-11-4
EEC-N: 200-313-4

Classification transport
ONU: 1325
Transport Hazard class: 4.1
Packing group III



Warning
H228-H315-H319-H335
P210-P241-P280-P304+P340-P305+P351+P338-P403+P233

Stearic acid > ERBApharm - Vegetal origin - According to pharmacopoeia: Ph.Eur.-NF

ERBApharm

Description	White flakes	Acidity	Conform Ph.Eur.	Heavy metals (Pb).....	≤10 ppm	Assay (Stearic Acid+Palmitic Acid) ≥	90.0 %
Identification	Positive	Acidity index	194 ÷ 212	Ni.....	≤1 ppm		
Appearance	Conform Ph.Eur.	Iodine value	≤ 4,0	Melting point.....	53 ÷ 59 ° C		
Color of solution.....	Pass test USP-NF	Sulphated ash.....	≤0,1 %	Assay (Stearic Acid).....	40.0 ÷ 60.0 %		

Code	Size	Packaging	Notes
307112	2.5 kg	Plastic bottle	
307115	25 kg	Fibre drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Stearic acid calcium salt ▶ Calcium stearate

Stearic acid magnesium salt ▶ Magnesium stearate



Strontium standard solution

• Stronzio standard soluzione • Strontium solution standard • Estroncio, solución patrón • Strontium-Standardlösung



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338

Strontium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505867	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505868	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505869	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Strontium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503951	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503953	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503955	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503957	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Strontium standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507760	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507493	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497665	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497661	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Strontium standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
485391		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package

Strontium standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503361	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Strontium acetate**

• Stronzio acetato • Strontium acétate • Estroncio acetato • Strontium acetate

$\text{Sr}(\text{CH}_3\text{COO})_2$
Molecular Weight: 205,71
CAS: 543-94-2
EEC-N: 208-854-8

Strontium acetate > RPE - For analysis

RPE

Description White cryst. powder	Heavy metals (Pb).....≤5 ppm	Ca.....≤0.1 %	Ni.....≤2.5 ppm
Identification Positive	Nitrate.....≤30 ppm	Cu.....≤2.5 ppm	Pb.....≤2.5 ppm
pH sol. 5% at 25° C 6.5 ÷ 8.5	Substanc. not ppt H ₂ SO ₄.....≤0.15 %	Fe.....≤5 ppm	Zn.....≤2.5 ppm
Chloride.....≤50 ppm	Sulphate.....≤30 ppm	K.....≤500 ppm	Assay (complexometric).....≥99 %
Insol.in dil.acetic ac.....≤50 ppm	Ba.....≤50 ppm	Na.....≤0.15 %	

Code	Size	Packaging	Notes
485304	100 g	Glass bottle	

**Strontium bromide monohydrate**

• Stronzio bromuro monoidrato • Strontium bromure monohydraté • Estroncio bromuro monohidrato • Strontiumbromidmonohydrat

$\text{SrBr}_2 \cdot \text{H}_2\text{O}$
Molecular Weight: 265,43
CAS: 14519-13-2
EEC-N: 233-969-5

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Strontium bromide monohydrate > RPE - For analysis

RPE

Description Polvere granular bianca	Water-insoluble matter .....≤100 ppm	Sulphide.....≤10 ppm	Ni.....≤25 ppm
Identification Positive	Iodide.....≤50 ppm	Ba.....≤50 ppm	Pb.....≤25 ppm
pH sol. 5% at 25° C 4.8 ÷ 8.0	Heavy metals (Pb).....≤5 ppm	Ca.....≤0.1 %	Zn.....≤25 ppm
Bromate.....≤10 ppm	Substanc. not ppt H ₂ SO ₄.....≤0.2 %	Cu.....≤25 ppm	Assay (complexometric).....99 ÷ 100 %
Chloride.....≤0.2 %	Sulphate.....≤50 ppm	Fe.....≤5 ppm	

Code	Size	Packaging	Notes
485354	100 g	Glass bottle	

**Strontium carbonate**

• Stronzio carbonato • Strontium carbonate • Estroncio carbonato • Strontiumcarbonat



Molecular Weight: 147,63

CAS: 1633-05-2

EEC-N: 216-643-7

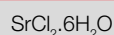
Strontium carbonate > RPE - For analysis**RPE**

Description	White powder	HCl-insoluble matter	≤100 ppm	Ca	≤0.2 %	Zn	≤5 ppm
Identification	Positive	Heavy metals (Pb)	≤60 ppm	Cu	≤5 ppm	Assay (complexometric)	99 ÷ 100 %
Alkalinity(SrOH)	≤300 ppm	Substanc. not ppt H2SO4	≤0.3 %	Fe	≤10 ppm		
Chloride	≤10 ppm	Sulphate	≤50 ppm	Ni	≤5 ppm		
Phosphate	≤10 ppm	Ba	≤200 ppm	Pb	≤5 ppm		

Code	Size	Packaging	Notes
485404	100 g	Glass bottle	
485407	1 kg	Plastic bottle	

**Strontium chloride hexahydrate**

• Stronzio cloruro esaidrato • Strontium chlorure hexahydraté • Estroncio cloruro hexahidratado • Strontiumchlorid-Hexahydrat



Molecular Weight: 266,62

CAS: 10025-70-4

EEC-N: 233-971-6

**Danger**

H318

P280i-P305+P351+P338-P310a

Strontium chloride hexahydrate > RPE - For analysis - ACS**RPE**

Description	crist. bianchi	Water-insoluble matter	≤50 ppm	Ba	≤500 ppm	Mg	≤2 ppm
Identification	Positive	Heavy metals (Pb)	≤5 ppm	Ca	≤500 ppm	Assay (complexometric)	99.0 ÷ 103.0 %
pH sol. 5% at 25° C	5.0 ÷ 7.0	Sulphate	≤10 ppm	Fe	≤5 ppm		

Code	Size	Packaging	Notes
485455	250 g	Plastic bottle	
485457	1 kg	Plastic bottle	

**Strontium nitrate**

• Stronzio nitrato • Strontium nitrate • Estroncio nitrato • Strontiumnitrato



Molecular Weight: 211,63

CAS: 10042-76-9

EEC-N: 233-131-9

Classification transport

ONU: 1507

Transport Hazard class: 5.1

Packing group III

**Danger**

H272-H302

P210-P220-P264-P280-P301+P312a-P501a

Strontium nitrate > RPE - For analysis - ACS**RPE**

Description	White crystalline powder	Chloride	≤20 ppm	Sulphate	≤50 ppm	Assay (complexometric)	≥99.0 %
Identification	Positive	Water-insoluble matter	≤100 ppm	Ba	≤500 ppm		
pH sol. 5% at 25° C	5.0 ÷ 7.0	Mg and Alkali salts	≤0.15 %	Ca	≤500 ppm		
Loss on drying	≤0.1 %	Heavy metals (Pb)	≤5 ppm	Fe	≤5 ppm		

Code	Size	Packaging	Notes
485605	250 g	Plastic bottle	
485607	1 kg	Plastic bottle	

Strontium nitrate > RE - Pure**RE**

Description	White cryst. powder	Chloride	≤500 ppm	Heavy metals (Pb)	≤50 ppm	Fe	≤50 ppm
Identification	Positive	Water-insoluble matter	≤0.1 %	Sulphate	≤500 ppm	Assay (complexometric)	≥98 %

Code	Size	Packaging	Notes
379707	1 kg	Plastic bottle	

**Strontium sulfate**

• Stronzio solfato • Strontium sulfate • Estroncio sulfato • Strontiumsulfat

Synonym:
Celestite

Molecular Weight: 183,68

CAS: 7759-02-6

EEC-N: 231-850-2

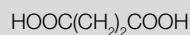
Strontium sulfate > RPE - For analysis**RPE**

Description	White powder	Chloride	≤20 ppm	Ca	≤0.2 %	Zn	≤5 ppm
Identification	Positive	Heavy metals (Pb)	≤10 ppm	Cu	≤5 ppm	Assay (complexometric)	≥99 %
Loss on ignition	≤1 %	Nitrate	≤0.1 %	Fe	≤10 ppm		
Acidity (Sulphuric acid)	≤200 ppm	Soluble salts	≤0.3 %	Ni	≤5 ppm		
Alkalinity (SrOH)	≤30 ppm	Ba	≤100 ppm	Pb	≤5 ppm		

Code	Size	Packaging	Notes
485705	250 g	Plastic bottle	

**Succinic acid**

• Acido succinico • Acide succinique • Acido succinico • Bernsteinsäure

Synonym:
Butanedioic acid

Molecular Weight: 118,09

CAS: 110-15-6

EEC-N: 203-740-4

**Warning**

H319

P264-P280i-P305+P351+P338-P337+P313

Succinic acid > RPE - For analysis**RPE**

Description	white crystalline powder	Water (K.F.)	≤ 0.5 %	Fe	≤ 5 ppm
Melting point	185 ÷ 190 °C	Assay (complexometry)	≥ 99.5 % s.s	Other organic acid	≤ 0.5 %

Code	Size	Packaging	Notes
411025	250 g	Plastic bottle	
411027	1 kg	Plastic bottle	
411023	25 kg	Plastic bucket	

**Succinic anhydride**

• Anidride succinica • Anhydride succinique • Anhidrido succinico • Bernsteinsäureanhydrid

Synonym:
Dihydro-2,5-furandione

Molecular Weight: 100,07

CAS: 108-30-5

EEC-N: 203-570-0

**Warning**

H302-H319-H335

P261-P271-P304+P340-P305+P351+P338-P337+P313-P403+P233

Succinic anhydride > RPE - For analysis**RPE**

Description	White crystal powder	Melting point	118 ÷ 120 °C	Heavy metals (Pb)	≤ 20 ppm	Assay (dried base)	≥ 99.0 %
Identification (I.R.)	Positive	Residue on ignition	≤ 500 ppm	Fe	≤ 20 ppm		

Code	Size	Packaging	Notes
422204	100 g	Glass bottle	

Succinic anhydride > RE - Pure**RE**

Description	White crystal powder	Melting point	118 ÷ 120 °C	Heavy metals (Pb)	≤ 20 ppm
Identification (I.R.)	Positive	Residue on ignition	≤ 0.1 %	Assay (dried base)	≥ 99 %

Code	Size	Packaging	Notes
318507	1 kg	Plastic bottle	



D(+)-Sucrose

• D(+)-Saccarosio • D(+)-Saccharose • D(+)-Sacarosa • D(+)-Saccharose

Synonym:

α -D-Glucopyranosyl β -D-fructofuranoside



Molecular Weight: 342,3

CAS: 57-50-1

EEC-N: 200-334-9

D(+)-Sucrose > RPE - For analysis - ACS

RPE

Description	White crystals	Acidity	≤ 0.0008 meq/g	Water-insoluble matter	≤ 50 ppm	Sulphat + sulphit (SO ₄)	≤ 50 ppm
Identification	Positive	Loss on drying	≤ 300 ppm	Heavy metals (Pb)	≤ 5 ppm	Inver.sugar (Glucose)	≤ 500 ppm
Specific optical rotation...	$+66.3 \div +66.8$ °	Chloride	≤ 50 ppm	Residue on ignition	≤ 100 ppm	Fe	≤ 5 ppm

Code	Size	Packaging	Notes
477186	100 g	Plastic bottle	
477187	1 kg	Plastic bottle	
477182	5 kg	Plastic tank	
477183	25 kg	Plastic bucket	

D(+)-Sucrose > ERBApharm - According to pharmacopoeia: BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White crystalline powder	Dextrine	Conform Ph.Eur.	Colore (A)	≤ 45 Ph.Eur.	Sulphite	≤ 10 ppm
Identification	Positive	Reducing sugar	Conform Ph.Eur.	Specific optical rotation...	$+66.3 \div +67.0$ °	Pb	≤ 0.5 ppm
Appearance of solution	Conform Ph.Eur.	Conductivity	Conform Ph.Eur.	Loss on drying	≤ 0.1 %		

Code	Size	Packaging	Notes
365157	1 kg	Plastic bottle	
365158	5 kg	Plastic tank	
365152	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Sudan black B

• Nero Sudan B • Noir Soudan B • Negro Sudan B • Schwarzer Sudan B

Synonym:

Ceres black BN



Molecular Weight: 456,55

CAS: 4197-25-5

EEC-N: 224-087-1

Sudan black B > RS - For microscopy - C.I. 26150

RS

Description	Black powder	Identification	Positive
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Code	Size	Packaging	Notes
464241	25 g	Glass bottle	

Dye for histology



Sudan III

• Sudan III • Soudan III • Sudan III • Sudan III

Synonym:

1-[4-(Phenylazo)phenylazo]-2-naphthol



Molecular Weight: 352,4

CAS: 85-86-9

EEC-N: 201-638-4

Sudan III > RS - For microscopy - C.I. 26100

RS

Description	Red brick powder	Identification	Positive
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Code	Size	Packaging	Notes
485902	25 g	Glass bottle	

Dye for histology

**Sudan III hydroalcoholic saturated solution**

- Sudan III soluzione idroalcolica satura • Soudan III solution hydroalcoolique
- Sudan III solución hidroalcohólica • Sudan III hydroalkoholische Lösung

Synonym:

1-[4-(Phenylazo)phenylazo]-2-naphthol

C₂₂H₁₆N₄O

Molecular Weight: 352,4

CAS: 85-86-9

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II

**Danger**

H225-H319-H336

P210-P280-P303+P361+P353-P304+P340-

P305+P351+P338-P403+P233

Sudan III hydroalcoholic saturated solution > RS - For the colouring of neutral fats**RS**

Description Red clear liquid Identification Positive Density at 20° C 0.855 ÷ 0.861

Code	Size	Packaging	Notes
E485952	250 ml	Glass bottle	

**Sudan yellow**

- Giallo Sudan • Jaune Soudan • Amarillo Sudán • Sudangelb

Synonym:

- Sudan I
- 1-Phenylazo-2-naphthol

C₁₆H₁₂N₂O

Molecular Weight: 248,28

CAS: 842-07-9

EEC-N: 212-668-2

**Warning**

H317-H341-H351-H413

P261-P280-P308+P313-P362+P364-P333+P313-

P501a

Sudan yellow > RPE - For analysis - C.I. 12055**RPE**

Description Red-orange crystalline powder Identification Positive

Code	Size	Packaging	Notes
453581	10 g	Glass bottle	
453582	25 g	Glass bottle	

**Sulfamic acid**

- Acido solfamico • Acide sulfamique • Acido sulfamico • Sulfaminsäure

Synonym:

Amidosulfonic acid

NH₂SO₃H

Molecular Weight: 97,09

CAS: 5329-14-6

EEC-N: 226-218-8

Classification transport

ONU: 2967

Transport Hazard class: 8

Packing group III

**Warning**

H315-H319-H412

P264-P280a-P305+P351+P338-P332+P313-

P362+P364-P337+P313

Sulfamic acid > RPE - For analysis - ACS**RPE**

Description White crystals Water-insoluble matter ≤ 100 ppm Sulphate ≤ 0.05 %
 Identification Positive Heavy metals (Pb) ≤ 10 ppm Fe ≤ 5 ppm
 Chloride ≤ 10 ppm Residue on ignition ≤ 100 ppm Assay (acidimetric) 99.3 ÷ 100.3 %

Code	Size	Packaging	Notes
410105	250 g	Plastic bottle	
410106	500 g	Plastic bottle	
410104	25 kg	Plastic bucket	

Sulfamic acid > RE - Pure**RE**

Description White crystals Heavy metals (Pb) ≤ 20 ppm Fe ≤ 20 ppm
 Identification Positive Sulphate ≤ 0.3 % Assay ≥ 99.5 %

Code	Size	Packaging	Notes
306507	1 kg	Plastic bottle	
306508	5 kg	Plastic tank	
306503	25 kg	Plastic bucket	



Sulfanilamide

• Solfanilammide • Sulfanilamide • Sulfanilamida • Sulfanilsäureamid

Synonym:
p-Aminobenzenesulfonamide

$C_6H_8O_2N_2S$
Molecular Weight: 172,2
CAS: 63-74-1
EEC-N: 200-563-4

Sulfanilamide > RS - For microanalysis

RS

Description White crystalline powder Melting point 164 ± 167 °C Assay ≥ 97.5 % (s.s.)
Identification Positive Loss on drying ≤ 0.5 %

Code	Size	Packaging	Notes
485961	2 g	Glass bottle	

Sulfanilamide > RPE - For analysis

RPE

Description White to off white crystals or powder IR Conforms to structure Loss on drying 105°C ≤ 0.5 %
Assay ≥ 99.0 % (ds) Acidity Passes test Sulphated ash ≤ 0.1 %

Code	Size	Packaging	Notes
485971	100 g	Plastic bottle	



Sulfanilic acid

• Acido solfanilico • Acide sulfanilique • Acido sulfanilico • Sulfanilsäure

Synonym:
• 4-Aminobenzenesulfonic acid
• Aniline-4-sulfonic acid

$4-NH_2C_6H_4SO_3H$
Molecular Weight: 173,19
CAS: 121-57-3
EEC-N: 204-482-5



Warning

H315-H319-H317
P261-P264-P280a-P305+P351+P338-P362+P364-P337+P313

Sulfanilic acid > RS - For analysis according to Ph. Eur. Chap. 4.2.1

RS

Code	Size	Packaging	Notes
612000700	50 g	Plastic bottle	Ref Ph.Eur 2000700

Sulfanilic acid > RPE - For analysis - ACS - Reag. Ph.Eur.

RPE

Description White powder Sodium carbonate 5% ins ≤ 200 ppm Chloride ≤ 20 ppm Sulphate ≤ 100 ppm
Identification Positive Residue on ignition ≤ 100 ppm Nitrite ≤ 0.5 ppm Assay (acidimetric) $98.0 \div 102.0$ %

Code	Size	Packaging	Notes
410154	100 g	Plastic bottle	
410156	500 g	Plastic bottle	



Sulfate standard solution

• Solfati standard soluzione • Sulfate solution standard • Solfato, solución patrón • Sulfat-Standardlösung

Sulfate standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615002801	100 ml	Plastic bottle	A 10 ppm solution R1: to dilute according to Ref Ph.Eur 5002801
615002802	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5002802
615002809	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5002800

Sulfate standard solution > RS - Standard solution for ion chromatography

RS

Code	Size	Packaging	Notes
503351	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
503353	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

**Sulfite standard solution**

• Solfito standard soluzione • Sulfite standard solution • Sulfito, solución patrón • Sulfit-Standardlösung

Sulfite standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615002900	100 ml	Plastic bottle	A 1,5 ppm solution Ref Ph.Eur 5002900

**Sulfolane**

• Sulfolano • Sulfolane • Sulfolano • Sulfolano

Synonym:

Tetrahydrothiophene 1,1-dioxide

CH₂(CH₂)₃SO₂
Molecular Weight: 120,17
CAS: 126-33-0
EEC-N: 204-783-1

**Warning**

H302

P264-P270-P301+P312a-P330-P501a

Sulfolane > RS - Anhydrous - For analysis

RS

Water content (K.F.) ≤ 200 mg/Kg Assay (GC) ≥ 98.5 % Colourless to light yellow appearance Conform

Code	Size	Packaging	Notes
P932SP16	1 l	Glass bottle	

**Sulfomolybdic reagent**

• Reattivo solfomolibdico • Réactif sulfomolybdique • Reactivo sulfomolibdico • Sulfomolybdat-Reagens

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfomolybdic reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611086500	100 ml	Plastic bottle	Sulfomolybdic reagent R3 Ref Ph.Eur 1086500

**Sulfosalicylic acid**

• Acido solfosalicilico • Acide sulfosalicylique • Acido sulfosalicilico • Sulfosalicylsäure

Synonym:

2-Hydroxy-5-sulfobenzoic acid

HO.C₆H₃(COOH)SO₃H.2H₂O
Molecular Weight: 254,2
CAS: 5965-83-3
EEC-N: 202-555-6

**Warning**

H315-H319

P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Sulfosalicylic acid > RPE - For analysis - ACS

RPE

Description Solido bianco Chloride ≤ 10 ppm Residue on ignition ≤ 0.1 % Assay (acidimetric) 99.0 ÷ 101.0 %
Identification Positive Water-insoluble matter ≤ 0.02 % Sulphate ≤ 0.02 %
Salicylic acid ≤ 0.04 % Heavy metals (Pb) ≤ 20 ppm Fe ≤ 10 ppm

Code	Size	Packaging	Notes
410894	100 g	Glass bottle	
410896	500 g	Plastic bottle	



Sulfur sublimed and washed

• Zolfo sublimato lavato ventilato • Soufre sublimé lavé ventilé • Azufre sublimado lavado • Schwefel sublimiert und gewaschen

S	Classification transport	Warning
Molecular Weight: 32,06	ONU: 1350	H315
CAS: 7704-34-9	Transport Hazard class: 4.1	P264-P280g-P302+P352a-P332+P313-P362+P364
EEC-N: 231-722-6	Packing group III	

Sulfur sublimed and washed > RE - Pure

RE

Description Yellow powder Residue on ignition ≤ 0.1 % Assay (gravimetric) ≥ 99.5 %
 Identification Positive Acidity (H₂SO₄) ≤ 0.1 %

Code	Size	Packaging	Notes
378807	1 kg	Plastic bottle	
378809	5 kg	Plastic tank	
378802	25 kg	Plastic bucket	



Sulfur standard solution

• Zolfo standard soluzione • Soufre solution standard • Azufre, solución patrón • Schwefel-Standardlösung

Sulfur standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505822	100 ml	Plastic bottle	conc. 10 ppm Matrix: Water
505825	100 ml	Plastic bottle	conc. 100 ppm Matrix: Water
505823	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Sulfur standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504291	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
504293	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
504295	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water
504297	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Water

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Sulfuric acid 98%

• Acido solforico 98% • Acide sulfurique 98% • Acido sulfúrico 98% • Schwefelsäure 98%

H ₂ SO ₄	Classification transport	Danger
Molecular Weight: 98,08	ONU: 1830	H290-H314
CAS: 7664-93-9	Transport Hazard class: 8	P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
EEC-N: 231-639-5	Packing group II	

Sulfuric acid 98% > RS - For microanalysis

RS

Description Clear liquid Identification Positive Density at 20° C ~ 1.835 Assay 95 ÷ 98 %

Code	Size	Packaging	Notes
410421	1 l	Glass bottle	

Sulfuric acid 98% > RPE - For nitrogen dosing

RPE

Description Clear colourless liquid Density at 20°C ~ 1.84 Total nitrogen (N) ≤ 2 ppm Assay (acidimetric) 95 - 98 %

Code	Size	Packaging	Notes
502641	2.5 l	Glass bottle	

Content is guaranteed for standardized volumes at 20 °C

**Sulfuric acid 96% (66°Be)**

• Acido solforico 96% (66°Bé) • Acide sulfurique 96% (66°Bé) • Acido sulfúrico 96% (66°Bé) • Schwefelsäure 96% (66° Be)



Molecular Weight: 98,08

CAS: 7664-93-9

EEC-N: 231-639-5

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 96% (66°Be) > RE - Pure**RE**

Description Clear or opaline colourless liquid

Identification Positive

Density at 20° C 1.830 ÷ 1.836

Chloride ≤500 ppm

Cu ≤ 0.02 ppm

Assay (acidimetric) ≥96 %

Pb ≤ 0.03 ppm

Zn ≤ 0.25 ppm

Code	Size	Packaging	Notes
306751	2.5 l	Glass bottle	
306755	25 kg	Plastic bucket	
306752	50 kg	Plastic drum	

**Sulfuric acid 96%**

• Acido solforico 96% • Acide sulfurique 96% • Acido sulfúrico 96% • Schwefelsäure 96%



Molecular Weight: 98,08

CAS: 7664-93-9

EEC-N: 231-639-5

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 96% > RS - VLSI - For electronic use**RS**

Code	Size	Packaging	Notes
527631	1 l	Plastic bottle	
527630	2.5 l	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Sulfuric acid 96% > RS - RSE - For electronic use****RS**

Description Clear liquid	Ag ≤0.02 ppm	Cu ≤0.01 ppm	Pt ≤0.05 ppm
Colour (APHA) ≤10	Al ≤0.05 ppm	Fe ≤0.1 ppm	Sb ≤0.01 ppm
Identification Positive	As ≤0.005 ppm	Ga ≤0.02 ppm	Se ≤0.5 ppm
Density at 20° C 1.834 ÷ 1.836	Au ≤0.05 ppm	In ≤0.02 ppm	Sn ≤0.02 ppm
Assay (acidimetric) 95.0 ÷ 97.0 %	B ≤0.01 ppm	K ≤0.1 ppm	Sr ≤0.02 ppm
Ammonium ≤0.5 ppm	Ba ≤0.05 ppm	Li ≤0.02 ppm	Ti ≤0.05 ppm
Chloride ≤0.1 ppm	Be ≤0.02 ppm	Mg ≤0.1 ppm	Tl ≤0.05 ppm
Heavy metals (Pb) ≤0.4 ppm	Bi ≤0.02 ppm	Mn ≤0.01 ppm	V ≤0.05 ppm
Nitrate ≤0.1 ppm	Ca ≤0.2 ppm	Mo ≤0.01 ppm	Zn ≤0.02 ppm
Phosphate ≤0.5 ppm	Cd ≤0.005 ppm	Na ≤0.5 ppm	Zr ≤0.05 ppm
Residue on ignition ≤3 ppm	Co ≤0.01 ppm	Ni ≤0.01 ppm	
Subst. reducing KMnO4 ≤2 ppm	Cr ≤0.01 ppm	Pb ≤0.02 ppm	

Code	Size	Packaging	Notes
410374	1 l	Glass bottle	
410371	2.5 l	Glass bottle	

Sulfuric acid 96% > RS - MOS - For electronic use

RS

Description	Clear liquid	Ag	≤0.02 ppm	Cu	≤0.01 ppm	Pt	≤0.05 ppm
Colour (APHA)	≤10	Al	≤0.05 ppm	Fe	≤0.1 ppm	Sb	≤0.01 ppm
Colour of 2N solution(APHA)	≤10	As	≤0.005 ppm	Ga	≤0.02 ppm	Se	≤0.5 ppm
Identification	Positive	Au	≤0.05 ppm	In	≤0.02 ppm	Sn	≤0.02 ppm
Density at 20° C	1.834 ÷ 1.836	B	≤0.01 ppm	K	≤0.1 ppm	Sr	≤0.02 ppm
Assay (acidimetric)	95.0 ÷ 97.0 %	Ba	≤0.05 ppm	Li	≤0.05 ppm	Ti	≤0.05 ppm
Ammonium	≤0.5 ppm	Be	≤0.02 ppm	Mg	≤0.1 ppm	Tl	≤0.05 ppm
Chloride	≤0.1 ppm	Bi	≤0.02 ppm	Mn	≤0.01 ppm	V	≤0.05 ppm
Heavy metals (Pb)	≤0.4 ppm	Cd	≤0.02 ppm	Mo	≤0.01 ppm	Zn	≤0.02 ppm
Nitrate	≤0.1 ppm	Co	≤0.005 ppm	Na	≤0.5 ppm	Zr	≤0.05 ppm
Phosphate	≤0.5 ppm	Cr	≤0.01 ppm	Ni	≤0.01 ppm		
Residue on ignition	≤3 ppm			Pb	≤0.02 ppm		
Subst. reducing KMnO4	≤2 ppm						

Code	Size	Packaging	Notes
410382	1 l	Glass bottle	
410381	2.5 l	Glass bottle	

Sulfuric acid 96% > RS - For enviromental analysis - ACS - Reag. Ph.Eur. - Reag. USP

RS

Description	Clear oily liquid	Subst. reducing KMnO4	≤2 ppm	Cu	≤0.01 ppm	Se	≤3 ppm
Colour (APHA)	≤10	Ag	≤0.02 ppm	Fe	≤0.1 ppm	Sr	≤0.02 ppm
Colour of 2N solution(APHA)	≤10	Al	≤0.05 ppm	Hg	≤0.005 ppm	Ti	≤0.05 ppm
Identification	Positive	As	≤0.005 ppm	K	≤0.1 ppm	Tl	≤0.05 ppm
Density at 20° C	1.834 ÷ 1.836	Ba	≤0.1 ppm	Li	≤0.02 ppm	V	≤0.05 ppm
Ammonium	≤1 ppm	Be	≤0.02 ppm	Mg	≤0.1 ppm	Zn	≤0.05 ppm
Chloride	≤0.1 ppm	Bi	≤0.02 ppm	Mn	≤0.01 ppm	Zr	≤0.05 ppm
Phosphate	≤0.5 ppm	Ca	≤0.2 ppm	Mo	≤0.01 ppm	Assay (acidimetric)	95.0 ÷ 97.0 %
Heavy metals (Pb)	≤0.8 ppm	Cd	≤0.005 ppm	Na	≤0.5 ppm		
Nitrate	≤0.2 ppm	Co	≤0.01 ppm	Ni	≤0.02 ppm		
Residue on ignition	≤4 ppm	Cr	≤0.05 ppm	Pb	≤0.02 ppm		

Code	Size	Packaging	Notes
410261	1 l	Glass bottle	

Low content in Hg

Sulfuric acid 96% > RPE - For analysis - ISO

RPE

Description	Clear oily liquid	Heavy metals (Pb)	≤0.8 ppm	Cu	≤0.01 ppm	Pb	≤0.02 ppm
Colour (APHA)	≤10	Nitrate	≤0.2 ppm	Fe	≤0.1 ppm	Se	≤3 ppm
Colour of 2N solution(APHA)	≤10	Residue on ignition	≤4 ppm	K	≤0.1 ppm	Sr	≤0.02 ppm
Identification	Positive	Subst. reducing KMnO4	≤2 ppm	Li	≤0.02 ppm	Zn	≤0.05 ppm
Density at 20° C	1.834 ÷ 1.836	As	≤0.01 ppm	Mg	≤0.2 ppm	Assay (acidimetric)	95 ÷ 97 %
Ammonium	≤1 ppm	Ca	≤0.2 ppm	Na	≤0.5 ppm		
Chloride	≤0.1 ppm	Cd	≤0.005 ppm	Ni	≤0.05 ppm		

Code	Size	Packaging	Notes
410301	1 l	Glass bottle	
410303	1 l	Glass bottle PVC coated	
524540	1 l	Plastic bottle	
410306	2.5 l	Glass bottle	
524541	2.5 l	Plastic bottle	
410304	5 l	Plastic tank	
524543	25 l	Plastic tank	
410307	30 kg	Plastic drum	
410302	50 kg	Plastic drum	

Content is guaranteed for standardized volumes at 20 °C

Sulfuric acid 96% > ERBApharm - According to pharmacopoeia: BP-NF-Ph.Eur.**ERBApharm**

Description	Clear colourless liquid	Nitrate	Conform Ph.Eur.	Chloride.....	≤ 50 ppm	Fe	≤ 25 ppm
Identification	Positive	Density at 20° C	~ 1.84	Heavy metals (Pb).....	≤ 5 ppm	Assay (acidimetric)	95.0 ÷ 98.0 %
Appearance of solution	Conform Ph.Eur.	Sulphated ash.....	≤ 50 ppm	As	≤ 1 ppm	Subst. reducing KMnO4 ...	Conform USP-NF

Code	Size	Packaging	Notes
306651	1 l	Glass bottle	
306657	2.5 l	Glass bottle	
306653	50 kg	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Sulfuric acid 95-97%**

• Acido solforico 95-97% • Acide sulfurique 95-97% • Acido sulfúrico 95-97% • Schwefelsäure 95-97%

H ₂ SO ₄ Molecular Weight: 98,08 CAS: 7664-93-9 EEC-N: 231-639-5	Classification transport ONU: 1830 Transport Hazard class: 8 Packing group II	Danger H290-H314 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Sulfuric acid 95 - 97 % > RPE - For nitrogen dosing - Reag.Ph.Eur.**RPE**

Description	Clear oily liquid	Ammonium	≤ 1 ppm	Residue on ignition	≤ 4 ppm	Subs. reducing KMnO4	Pass test
Identification	Positive	Chloride	≤ 0.1 ppm	As	≤ 0.01 ppm	Test nitrate (Ph.Eur.)	Pass test
Colour	≤ 10 APHA	Heavy metals (Pb).....	≤ 0.8 ppm	Fe	≤ 0.1 ppm	Assay (acidimetric)	95.0 ÷ 97.0 %
Density at 20°C	1.834 ÷ 1.836	Nitrate	≤ 0.2 ppm	Total nitrogen	≤ 2 ppm		

Code	Size	Packaging	Notes
502302	1 l	Glass bottle	

**Sulfuric acid 93-98%**

• Acido solforico 93-98% • Acide sulfurique 93-98% • Acido sulfúrico 93-98% • Schwefelsäure 93-98%

H ₂ SO ₄ Molecular Weight: 98,08 CAS: 7664-93-9 EEC-N: 231-639-5	Classification transport ONU: 1830 Transport Hazard class: 8 Packing group II	Danger H290-H314 P280-P301+P330+P331-P303+P361+P353- P304+P340-P310a-P305+P351+P338
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Sulfuric acid 93-98% > RS - Ultrapure - For trace analysis at ppt level**RS**

Description	Clear colourless liquid	Mg	≤ 50 ppt	Dy	≤ 10 ppt	Rb	≤ 10 ppt
Identification	Positive	Mn	≤ 10 ppt	Er	≤ 10 ppt	Sm	≤ 10 ppt
Ag	≤ 50 ppt	Mo	≤ 10 ppt	Eu	≤ 10 ppt	Sc	≤ 10 ppt
Al	≤ 50 ppt	Na	≤ 10 ppt	Gd	≤ 10 ppt	Se	≤ 500 ppt
As	≤ 500 ppt	Ni	≤ 50 ppt	Ga	≤ 10 ppt	Te	≤ 50 ppt
Ba	≤ 10 ppt	Pb	≤ 10 ppt	Ge	≤ 100 ppt	Tb	≤ 10 ppt
Be	≤ 10 ppt	Sn	≤ 50 ppt	Hf	≤ 10 ppt	Tl	≤ 10 ppt
Bi	≤ 10 ppt	Sr	≤ 10 ppt	Ho	≤ 10 ppt	Tm	≤ 10 ppt
Ca	≤ 50 ppt	Ti	≤ 50 ppt	In	≤ 10 ppt	W	≤ 10 ppt
Cd	≤ 10 ppt	V	≤ 10 ppt	La	≤ 10 ppt	U	≤ 10 ppt
Co	≤ 10 ppt	Zn	≤ 50 ppt	Li	≤ 10 ppt	Yb	≤ 10 ppt
Cr	≤ 10 ppt	Assay (acidimetric)	93 ÷ 98 %	Lu	≤ 10 ppt	Y	≤ 10 ppt
Cu	≤ 10 ppt	Th	≤ 10 ppt	Nd	≤ 10 ppt	Zr	≤ 10 ppt
Fe	≤ 50 ppt	Sb	≤ 50 ppt	Nb	≤ 10 ppt		
Hg	≤ 100 ppt	Ce	≤ 10 ppt	Pr	≤ 10 ppt		
K	≤ 50 ppt	Cs	≤ 10 ppt	Rh	≤ 50 ppt		

Code	Size	Packaging	Notes
410351	500 ml	Plastic bottle	

Sulfuric acid 93-98% > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Mn	≤ 0.5 ppb	Cs	≤ 0.1 ppb	Sm	≤ 0.1 ppb
Identification	Positive	Mo	≤ 0.5 ppb	Dy	≤ 0.1 ppb	Sc	≤ 0.1 ppb
Ag	≤ 1 ppb	Na	≤ 1 ppb	Er	≤ 0.1 ppb	Te	≤ 0.1 ppb
Al	≤ 1 ppb	Ni	≤ 0.5 ppb	Eu	≤ 0.1 ppb	Tl	≤ 0.1 ppb
As	≤ 0.5 ppb	Pb	≤ 0.1 ppb	Gd	≤ 0.1 ppb	Tm	≤ 0.1 ppb
Ba	≤ 0.1 ppb	Sb	≤ 1 ppb	Ga	≤ 0.1 ppb	W	≤ 0.5 ppb
Be	≤ 0.1 ppb	Se	≤ 10 ppb	Ge	≤ 1 ppb	U	≤ 0.1 ppb
Bi	≤ 0.1 ppb	Sn	≤ 1 ppb	Hf	≤ 0.1 ppb	Yb	≤ 0.1 ppb
Ca	≤ 1 ppb	Sr	≤ 0.5 ppb	Ho	≤ 0.1 ppb	Y	≤ 0.1 ppb
Cd	≤ 0.5 ppb	Ti	≤ 1 ppb	In	≤ 0.1 ppb	Tb	≤ 0.1 ppb
Co	≤ 0.5 ppb	V	≤ 0.5 ppb	La	≤ 0.1 ppb	Chloride	≤ 0.7 ppm
Cr	≤ 0.5 ppb	Zn	≤ 1 ppb	Lu	≤ 0.1 ppb	Nitrate	≤ 0.2 ppm
Cu	≤ 0.5 ppb	Zr	≤ 0.5 ppb	Nd	≤ 0.1 ppb	Total phosphorus	≤ 0.05 ppm
Hg	≤ 0.1 ppb	Assay (acidimetric)	93 ÷ 98 %	Nb	≤ 0.1 ppb	Reducing substances KMnO4	≤ 20 ppm
K	≤ 1 ppb	Th	≤ 0.1 ppb	Pr	≤ 0.1 ppb		
Li	≤ 0.5 ppb	Colour (APHA)	≤ 10	Rh	≤ 0.5 ppb		
Mg	≤ 1 ppb	Ce	≤ 0.1 ppb	Rb	≤ 0.5 ppb		

Code	Size	Packaging	Notes
410405	500 ml	Plastic bottle	
410406	1 l	Plastic bottle	
410407	2.5 l	Plastic bottle	



Sulfuric acid 90%

• Acido solforico 90% • Acide sulfurique 90% • Acido sulfúrico 90% • Schwefelsäure 90%

H₂SO₄
Molecular Weight: 98,08
CAS: 7664-93-9
EEC-N: 231-639-5

Classification transport
ONU: 1830
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfuric acid 90% > RS - For analysis according to Gerber

RS

Description

Clear colourless liquid Density at 20° C 1.815 - 1.825 Assay (acidimetric) 90 - 92 %

Code	Size	Packaging	Notes
410391	1 l	Plastic bottle	
410394	2.5 l	Glass bottle	



Sulfuric acid 85%

• Acido solforico 85% • Acide sulfurique 85% • Acido sulfúrico 85% • Schwefelsäure 85%

H₂SO₄
Molecular Weight: 98,08
CAS: 7664-93-9

Classification transport
ONU: 1830
Transport Hazard class: 8
Packing group II



Danger
H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfuric acid 85% > RS - For analysis

RS

Density d20/4 1.774 - 1.783 Sulfuric acid content 84.5 - 85.5 %

Code	Size	Packaging	Notes
PS0433/15	1 l	Plastic bottle	

**Sulfuric acid 72%**

• Acido solforico 72% • Acide sulfurique 72% • Acido sulfúrico 72% • Schwefelsäure 72%



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 72% > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Colour ≤ 10 APHA Density at 20°C 1.629 ÷ 1.639 Assay 71.50 ÷ 72.50 %

Code	Size	Packaging	Notes
502771	2.5 l	Glass bottle	

**Sulfuric acid 69%**

• Acido solforico 69% • Acide sulfurique 69% • Acido sulfúrico 69% • Schwefelsäure 69%



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 69% > RS - For milk analysis**RS**

Clear, colourless solution Conform Sulfuric acid content 68.0 - 70.0 % Density d20/4 1.587 - 1.611

Code	Size	Packaging	Notes
PS0893/21	2.5 l	Glass bottle	

**Sulfuric acid 62%**

• Acido solforico 62% • Acide sulfurique 62% • Acido sulfúrico 62% • Schwefelsäure 62%



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 62% > RS - For milk analysis**RS**

Clear, colourless solution Conform Sulfuric acid content 61.0 - 63.0 % Density d20/4 1.509 - 1.531

Code	Size	Packaging	Notes
PS0894/21	2.5 l	Glass bottle	

**Sulfuric acid 50%**

• Acido solforico 50% • Acide sulfurique 50% • Acido sulfúrico 50% • Schwefelsäure 50%



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 2796

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 50% > RE - Pure**RE**Description Clear colourless liquid Density at 20° C 1.385 ÷ 1.405 Assay (acidimetric) 49.0 ÷ 51.0 %
Identification Positive Density at 20°C 1.385 ÷ 1.405

Code	Size	Packaging	Notes
E306702	1 l	Bottle	
528541	5 l	Plastic tank	
E306704	35 kg	Plastic tank	



Sulfuric acid 35% (30°Be)

• Acido solforico 35% (30°Bé) • Acide sulfurique 35% (30°Be) • Acido sulfúrico 35% (30°Bé) • Schwefelsäure 35% (30°Be)



Molecular Weight: 98,08
CAS: 7664-93-9

Classification transport

ONU: 2796
Transport Hazard class: 8
Packing group II



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfuric acid 35% (30°Be) > RE - Pure

RE

Description Clear or opaline colourless liquid Density at 20° C 1.252 - 1.260 Assay 34.0 - 35.0 %

Code	Size	Packaging	Notes
307001000	30 kg	Plastic tank	



Sulfuric acid 30%

• Acido solforico 30% • Acide sulfurique 30% • Acido sulfúrico 30% • Schwefelsäure 30%



Molecular Weight: 98,08
CAS: 7664-93-9

Classification transport

ONU: 2796
Transport Hazard class: 8
Packing group II



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfuric acid 30% > RS - For analysis

RS

Density d20/4 1.206 - 1.230 H2SO4 content 29 - 31 %

Code	Size	Packaging	Notes
PS0009/15	1 l	Plastic bottle	



Sulfuric acid 25%

• Acido solforico 25% • Acide sulfurique 25% • Acido sulfúrico 25% • Schwefelsäure 25%



Molecular Weight: 98,08
CAS: 7664-93-9

Classification transport

ONU: 2796
Transport Hazard class: 8
Packing group II



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfuric acid 25% > RE - Pure

RE

Density d20/4 1.174 - 1.182 Sulfuric acid content 24.5 - 25.5 %

Code	Size	Packaging	Notes
504562	1 l	Glass bottle	
PS0212/21	2.5 l	Glass bottle	



Sulfuric acid 20%

• Acido solforico 20% • Acide sulfurique 20% • Acido sulfúrico 20% • Schwefelsäure 20%



Molecular Weight: 98,08
CAS: 7664-93-9

Classification transport

ONU: 2796
Transport Hazard class: 8
Packing group II



Danger

H290-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Sulfuric acid 20% > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 1.136 - 1.158 Assay 20 - 22 %

Code	Size	Packaging	Notes
410511000	1 l	Plastic bottle	
410516	20 kg	Plastic drum	

Content is guaranteed for standardized volumes at 20°C. Keep tightly

**Sulfuric acid 10% v/v**

• Acido solforico 10% v/v • Acide sulfurique 10% v/v • Acido sulfúrico 10% V/V • Schwefelsäure 10% v/v



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 2796

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 10% v/v > RPE - For analysis**RPE**

Density at 20°C 1.12 - 1.14

Code	Size	Packaging	Notes
502591	1 l	Bottle	

**Sulfuric acid 4 mol/l (8N)**

• Acido solforico 4 mol/l (8N) • Acide sulfurique 4 mol/l (8N) • Acido sulfúrico 4 mol/l (8N) • Schwefelsäure 4 mol/l (8N)



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 2796

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 4 mol/l (8N) > RS - For environmental analysis (COD determination)**RS**

Description Clear colourless liquid Assay 7.984 - 8.016 N

Code	Size	Packaging	Notes
526741	1 l	Bottle	

**Sulfuric acid 2.5 mol/l (5N)**

• Acido solforico 2.5 mol/l (5N) • Acide sulfurique 2.5 mol/l (5N) • Acido sulfúrico 2.5 mol/l (5N) • Schwefelsäure 2.5 mol/l (5N)



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 2796

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid 2.5 mol/l (5N) > RPE - For analysis**RPE**

Assay (potentiometry) 4.995 - 5.005 N

Code	Size	Packaging	Notes
P3240015	1 l	Plastic bottle	

**Sulfuric acid 1 mol/l (2N)**

• Acido solforico 1 mol/l (2N) • Acide sulfurique 1 mol/l (2N) • Acido sulfúrico 1 mol/l (2N) • Schwefelsäure 1 mol/l (2N)



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 2796

Transport Hazard class: 8

Packing group II

**Warning**

H290-H315-H319

P264-P280a-P305+P351+P338-P332+P313-

P362+P364-P337+P313

Sulfuric acid 1 mol/l (2N) > RS - For analysis according to USP**RS**

Code	Size	Packaging	Notes
617000281	1 l	Bottle	

Sulfuric acid 1 mol/l (2N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 1.998 - 2.002 N NIST 723 e

Code	Size	Packaging	Notes
410547000	1 l	Plastic bottle	Certified with NIST traceability
410548000	10 l	Plastic tank	Certified with NIST traceability

98.06 g of H₂SO₄. Volumetric solution ready-to-use


Sulfuric acid 0.5 mol/l (1N)

• Acido solforico 0.5 mol/l (1N) • Acide sulfurique 0,5 mol/l (1N) • Acido sulfúrico 0.5 mol/l (1N) • Schwefelsäure 0.5 mol/l (1N)

H₂SO₄ HEU210
 Molecular Weight: 98,08
 CAS: 7664-93-9

Sulfuric acid 0.5 mol/l (1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613007800	1 l	Plastic bottle	Ref Ph.Eur 3007800

Sulfuric acid 0.5 mol/l (1N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.999 - 1.001 N NIST 723 e

Code	Size	Packaging	Notes
410577000	1 l	Plastic bottle	Certified with NIST traceability
410572000	5 l	Kubidos	Certified with NIST traceability
410575000	5 l	Plastic tank	Certified with NIST traceability
410571000	10 l	Kubidos	Certified with NIST traceability

49.03 g of H₂SO₄. Volumetric solution ready-to-use

Sulfuric acid 0.5 mol/l (1N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
410591		Plastic ampoule	Volume: 165 ml

49,03 g of H₂SO₄. Volumetric concentrated solution to prepare 1 L of solution 1 N


Sulfuric acid 0.33 mol/l (2N/3)

• Acido solforico 0.33 mol/l (2N/3) • Acide sulfurique 0.33 mol/l (2N/3) • Acido sulfúrico 0.33 mol/l (2N/3) • Schwefelsäure 0.33 mol/l (2N/3)

H₂SO₄ HEU210
 Molecular Weight: 98,08
 CAS: 7664-93-9

Sulfuric acid 0.33 mol/l (2N/3) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.6653 - 0.6680 N

Code	Size	Packaging	Notes
410634	1 l	Plastic bottle	

32,363 g of H₂SO₄. Volumetric solution ready-to-use. Content is guaranteed for standardized volumes at 20 °C

**Sulfuric acid 0.26 mol/l (0.52N)**

• Acido solforico 0.26 mol/l (0.52N) • Acide sulfurique 0.26 mol/l (0.52N) • Acido sulfúrico 0.26 mol/l (0.52N) • Schwefelsäure 0.26 mol/l (0.52N)

H₂SO₄

HEU210

Molecular Weight: 98,08

CAS: 7664-93-9

Sulfuric acid 0.26 mol/l (0.52N) > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Aspect Conform Assay 0.515 ÷ 0.525 N

Code	Size	Packaging	Notes
502202	5 l	Plastic tank	

**Sulfuric acid 0.25 mol/l (0.5N)**

• Acido solforico 0.25 mol/l (0.5N) • Acide sulfurique 0.25 mol/l (0.5N) • Acido sulfúrico 0.25 mol/l (0.5N) • Schwefelsäure 0.25 mol/l (0.5N)

H₂SO₄

HEU210

Molecular Weight: 98,08

CAS: 7664-93-9

Sulfuric acid 0.25 mol/l (0.5N) > RPE - For analysis**RPE**Description Clear colourless liquid Assay (potentiometry) 0.4995 - 0.5005 N NIST 723 e
Identification Positive Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
410667000	1 l	Plastic bottle	Certified with NIST traceability
410663000	5 l	Kubidos	Certified with NIST traceability
410662000	10 l	Kubidos	Certified with NIST traceability

24,52 g of H₂SO₄. Volumetric solution ready-to-use**Sulfuric acid 0.25 mol/l (0.5N) > RPE - NORMEX - For analysis****RPE**

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
410681		Plastic ampoule	Volume: 55 ml

24,52 g H₂SO₄. Volumetric concentrated solution to prepare 1 L of solution 0,5 N**Sulfuric acid 0.166 mol/l (0.333N)**

• Acido solforico 0.166 mol/l (0.333N) • Acide sulfurique 0.166 mol/l (0.333N) • Acido sulfúrico 0.166 mol/l (0.333N) • Schwefelsäure 0.166 mol/l (0.333N)

H₂SO₄

HEU210

Molecular Weight: 98,08

CAS: 7664-93-9

Sulfuric acid 0.166 mol/l (0.333N) > RPE - For analysis**RPE**

Assay (potentiometry) 0.3331 - 0.3337 N

Code	Size	Packaging	Notes
PS0217/15	1 l	Plastic bottle	



Sulfuric acid 0.13 mol/l (0.26N)

• Acido solforico 0.13 mol/l (0.26N) • Acide sulfurique 0.13 mol/l (0.26N) • Acido sulfúrico 0.13 mol/l (0.26N) • Schwefelsäure 0.13 mol/l (0.26N)

H₂SO₄ HEU210
Molecular Weight: 98,08
CAS: 7664-93-9

Sulfuric acid 0.13 mol/l (0.26N) > RS - For agroalimentary analysis

RS

Description Clear colourless liquid Assay 0.255 ÷ 0.265 N

Code	Size	Packaging	Notes
502651	5 l	Plastic tank	

Content is guaranteed for standardized volumes at 20 °C. Keep tightly closed



Sulfuric acid 0.125 mol/l (0.25N)

• Acido solforico 0.125 mol/l (0.25N) • Acide sulfurique 0.125 mol/l (0.25N) • Acido sulfúrico 0.125 mol/l (0.25N) • Schwefelsäure 0.125 mol/l (0.25N)

H₂SO₄ HEU210
Molecular Weight: 98,08
CAS: 7664-93-9

Sulfuric acid 0.125 mol/l (0.25N) > RPE - For analysis

RPE

Assay (potentiometry) 0.2495 - 0.2505 N

Code	Size	Packaging	Notes
PS0445/22	5 l	Plastic tank	



Sulfuric acid 0.1 mol/l (0.2N)

• Acido solforico 0.1 mol/l (0.2N) • Acide sulfurique 0.1 mol/l (0.2N) • Acido sulfúrico 0.1 mol/l (0.2N) • Schwefelsäure 0.1 mol/l (0.2N)

H₂SO₄ HEU210
Molecular Weight: 98,08
CAS: 7664-93-9

Sulfuric acid 0.1 mol/l (0.2N) > RS - For agroalimentary analysis

RS

Description Clear liquid Aspect Conform Assay 0.195 ÷ 0.205 N

Code	Size	Packaging	Notes
502100000	1 l	Plastic bottle	



Sulfuric acid 0.05 mol/l (0.1N)

• Acido solforico 0.05 mol/l (0.1N) • Acide sulfurique 0.05 mol/l (0.1N) • Acido sulfúrico 0.05 mol/l (0.1N) • Schwefelsäure 0.05 mol/l (0.1N)

H₂SO₄ HEU210
Molecular Weight: 98,08
CAS: 7664-93-9

Sulfuric acid 0.05 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613008001	500 ml	Plastic bottle	Ref Ph.Eur 3008000
613008000	1 l	Plastic bottle	Ref Ph.Eur 3008000

Sulfuric acid 0.05 mol/l (0.1N) > RPE - For analysis**RPE**

Description Clear colourless liquid Assay (potentiometry) 0.0999 - 0.1001 N NIST 723.....e

Code	Size	Packaging	Notes
410717000	1 l	Plastic bottle	Certified with NIST traceability
410712000	5 l	Kubidos	Certified with NIST traceability
410711000	10 l	Kubidos	Certified with NIST traceability
410715000	10 l	Plastic tank	Certified with NIST traceability
410714000	20 l	Plastic tank	Certified with NIST traceability

4.904 g of H₂SO₄. Volumetric solution ready-to-use**Sulfuric acid 0.05 mol/l (0.1N) > RPE - NORMEX - For analysis****RPE**

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ± 1.005

Code	Size	Packaging	Notes
410731		Plastic ampoule	Volume: 55 ml

4,904 g of H₂SO₄. Volumetric concentrated solution to prepare 1 L of solution 0,1 N**Sulfuric acid 0.025 mol/l (0.05N)**

• Acido solforico 0.025 mol/l (0.05N) • Acide sulfurique 0.025 mol/l (0.05N) • Acido sulfúrico 0.025 mol/l (0.05N) • Schwefelsäure 0.025 mol/l (0.05N)

H ₂ SO ₄	HEU210
Molecular Weight: 98,08	
CAS: 7664-93-9	

Sulfuric acid 0.025 mol/l (0.05N) > RPE - For analysis**RPE**

Assay (potentiometry) 0.0499 - 0.0501 N

Code	Size	Packaging	Notes
PS0016/96	10 l	Kubidos	

**Sulfuric acid 0.02 mol/l (0.04N)**

• Acido solforico 0.02 mol/l (0.04N) • Acide sulfurique 0.02 mol/l (0.04N) • Acido sulfúrico 0.02 mol/l (0.04N) • Schwefelsäure 0.02 mol/l (0.04N)

H ₂ SO ₄	HEU210
Molecular Weight: 98,08	
CAS: 7664-93-9	

Sulfuric acid 0.02 mol/l (0.04N) > RPE - For analysis**RPE**

Assay (potentiometry) 0.03992 - 0.04008 N

Code	Size	Packaging	Notes
PS0219/15	1 l	Plastic bottle	
PS0219/95	5 l	Kubidos	
PS0219/96	10 l	Kubidos	

**Sulfuric acid 0.01 mol/l (0.02N)**

• Acido solforico 0.01 mol/l (0.02N) • Acide sulfurique 0.01 mol/l (0.02N) • Acido sulfúrico 0.01 mol/l (0.02N) • Schwefelsäure 0.01 mol/l (0.02N)

H ₂ SO ₄	HEU210
Molecular Weight: 98,08	
CAS: 7664-93-9	

Sulfuric acid 0.01 mol/l (0.02N) > RPE - For analysis**RPE**

Assay (potentiometry) 0.01996 - 0.02004 N

Code	Size	Packaging	Notes
PS0047/15	1 l	Plastic bottle	



Sulfuric acid 0.005 mol/l (0.01N)

• Acido solforico 0.005 mol/l (0.01N) • Acide sulfurique 0.005 mol/l (0.01N) • Acido sulfúrico 0.005 mol/l (0.01N) • Schwefelsäure 0.005 mol/l (0.01N)



HEU210

Molecular Weight: 98,08

CAS: 7664-93-9

Sulfuric acid 0.005 mol/l (0.01N) > RPE - For analysis

RPE

Assay (potentiometry) 0.00998 - 0.01002 N

Code	Size	Packaging	Notes
PS0026/95	5 l	Kubidos	

Sulfuric acid 0.005 mol/l (0.01N) > RPE - NORMEX - For analysis

RPE

Description Clear colourless liquid Identification Positive Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
410791		Plastic ampoule	Volume: 55 ml

0,490 g of H₂SO₄. Volumetric concentrated solution to prepare 1 L of solution 0,01 N



Sulfuric acid 0.0025 mol/l (0.005N)

• Acido solforico 0.0025 mol/l (0.005N) • Acide sulfurique 0.0025 mol/l (0.005N) • Acido sulfúrico 0.0025 mol/l (0.005N)
• Schwefelsäure 0.0025 mol/l (0.005N)



Molecular Weight: 98,08

CAS: 7664-93-9

Sulfuric acid 0.0025 mol/l (0.005N) > RS - For analysis

RS

Assay (potentiometry) 0.00495 - 0.00505 N

Code	Size	Packaging	Notes
424111	10 l	Kubidos	

Content is guaranteed for standardized volumes at 20 °C



Sulfuric acid with 10 g/l Silver sulfate

• Argento solfato 10 g/l in acido solforico • Acide sulfurique à 10 g/l d'argent sulfate • Acido sulfúrico con 10 g/l de plata sulfato
• Schwefelsäure 10g/l Silbersulfat



Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II



Danger

H290-H314-H412

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid with 10 g/l Silver sulfate > RS - For environmental analysis (COD determination)

RS

Assay 9.0 ÷ 11.0 g/l

Code	Size	Packaging	Notes
526605	1 l	Glass bottle	
526606	2.5 l	Glass bottle	

According to NF T90101 of 02/2001

**Sulfuric acid with 6.6 g/l Silver sulfate**

• Argento solfato 6.6 g/l in acido solforico • Acide sulfurique à 6.6 g/l d'argent sulfate • Acido sulfúrico con 6.6 g/l de plata sulfato
• Schwefelsäure 6.6 g/l Silbersulfat

H₂SO₄

Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314-H412

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid with 6.6 g/l Silver sulfate > RS - For environmental analysis (COD determination)**RS**

Assay 6.0 ÷ 7.2 g/l

Code	Size	Packaging	Notes
526602	2.5 l	Glass bottle	

According to NF T90101 of 02/2001**Sulfuric acid, dilute**

• Acido solforico, diluito • Acide sulfurique diluée • Acido sulfúrico, diluido • Verdünnte Schwefelsäure

H₂SO₄

Molecular Weight: 98,08

CAS: 7664-93-9

Classification transport

ONU: 2796

Transport Hazard class: 8

Packing group II

**Warning**

H290-H315-H319

P264-P280a-P305+P351+P338-P332+P313-

P362+P364-P337+P313

Sulfuric acid, dilute > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611086804	1 l	Plastic bottle	A 98 g/l solution Ref Ph.Eur 1086804

**Sulfuric acid d=1.820**

• Acido solforico d=1,820 • Acide sulfurique d=1,820 • Acido sulfúrico d=1,820 • Schwefelsäure d=1.820

H₂SO₄

Molecular Weight: 98,08

CAS: 7664-93-9

EEC-N: 231-639-5

Classification transport

ONU: 1830

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Sulfuric acid d=1.820 > RS - For agroalimentary analysis**RS**

Description Clear colourless liquid Colour (APHA) ≤ 10 APHA Density at 20°C 1.815 ÷ 1.825

Code	Size	Packaging	Notes
502020	5 l	Plastic tank	

According to NF V04-263 and V04-210



Talc

• Talco • Talc • Talco • Talkum

Synonym:
Hydrous magnesium silicate

3MgO.4SiO₂.H₂O
Molecular Weight: 379,29
CAS: 14807-96-6
EEC-N: 238-877-9

Talc > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP

ERBApharm

Description	White powder	Al	≤ 2.0 %	Pb	≤ 10 ppm	TAMC	≤ 100 CFU/g
Identification	Positive	Ca	≤ 0.90 %	Loss on ignition	≤ 7.0 %	TYMC	≤ 50 CFU/g
Acidity or alkalinity	Conform	Fe	≤ 0.25 %	Asbestos	Absent		
Sostanze idrosolubili	≤ 0.1 %	Mg	17.0 ÷ 19.5 %	Microbial tests			

Code	Size	Packaging	Notes
382107	1 kg	Plastic bottle	
382109	5 kg	Plastic tank	
382105	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Tannic acid

• Acido tannico • Acide tannique • Acido tânico • Gerbsäure

Synonym:
Gallotannin

C₇₆H₅₂O₄₆
Molecular Weight: 1701,23
CAS: 1401-55-4
EEC-N: 215-753-2



Warning

H302-H412
P264-P270-P273-P301+P312a-P330-P501a

Tannic acid > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU

ERBApharm

Description	Yellowish powder	Loss on drying	≤ 12.0 %	Resins	Conform Ph.Eur.
Identification	Positive	Sulphated ash	≤ 0.1 %	Heavy metals (as Pb)	≤ 40 ppm
Appearance of solution	Conform Ph.Eur.	Dextrins, gum, salts, sugars	Conform Ph.Eur.	As	≤ 3 ppm

Code	Size	Packaging	Notes
307157	1 kg	Bag	
307152	5 kg	Plastic bucket	
307153	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Tannic acid > RE - Pure

RE

Description	Brown powder	Water solubility	Conform	Water	< 7 %	Assay (gravimetric)	> 94 % s.s.
Identification	Positive	Alcohol solubility	Conform	Sulphated ash	< 0.3 %		

Code	Size	Packaging	Notes
411074	100 g	Plastic bottle	
411076	500 g	Plastic bottle	



Tantalum standard solution

• Tantalio standard soluzione • Tantale solution standard • Tántalo, solución patrón • Tantal-Standardlösung

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group III



Tantalum standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505872	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505875	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tantalum standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503961	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
503963	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
503965	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid
503967	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrofluoric acid and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tantalum standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507761	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507517	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



L(+) Tartaric Acid

• Acido L(+)-tartarico • Acide L(+)-tartrique • Acido L(+)-tartárico • L(+)-Weinsäure

HOOC(CHOH)₂COOH
Molecular Weight: 150,09
CAS: 87-69-4
EEC-N: 201-766-0



Danger

H318

P280i-P305+P351+P338-P310a

L(+) Tartaric Acid > RPE - For analysis - ACS - ISO

RPE

Description	White crystalline powder	Residue on ignition.....	≤200 ppm	Oxalate	Conform	Fe	≤5 ppm
Identification	Positive	Chloride.....	≤10 ppm	Sulfur compounds (as SO ₄).....	≤20 ppm	Assay (acidimetric)	≥99.0 %
Water-insoluble matter	≤50 ppm	Phosphate	≤10 ppm	Heavy metals (Pb).....	≤5 ppm		

Code	Size	Packaging	Notes
411125	250 g	Plastic bottle	
411127	1 kg	Plastic bottle	
411121	25 kg	Plastic bucket	

L(+) Tartaric Acid > ERBApharm - According to pharmacopoeia: DAB-BP-FU-NF-Ph.Eur.-Ph.Franc.

ERBApharm

Description	White crystalline powder	Loss on drying	≤0.2 %	Sulphate	≤150 ppm	Assay (acidimetric)	99.7 ÷ 100.5 % s.s.
Identification	Positive	Sulphated ash	≤0.1 %	Heavy metals (Pb).....	≤10 ppm	Residual solvents (Current ICH).....	Conform
Appearance of solution	Conform Ph.Eur.	Oxalic acid	≤360 ppm	Calcium	≤200 ppm		
Specific optical rotation... +12.0 ÷ +12.8 °		Chloride.....	≤100 ppm	Origin (BSE/TSE).....	Vegetable		

Code	Size	Packaging	Notes
307357	1 kg	Plastic bottle	
307359	5 kg	Plastic tank	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

L(+) Tartaric Acid > ERBApharm - Crystals - According to pharmacopoeia: Ph.Eur.-NF-FU-Ph.Franc.-BP-

ERBApharm

Description	Colourless crystals	Specific optical rotation... +12.0 ÷ +12.8 °		Chloride.....	≤ 100 ppm	Assay (acidimetric)	99.7 ÷ 100.5 % s.s.
Identification	Positive	Loss on drying	≤ 0.2 %	Sulphate	≤ 150 ppm	Origin (BSE/TSE).....	Vegetable
Appearance of solution	Conform Ph.Eur.	Sulphated ash	≤ 0.1 %	Heavy metals (Pb).....	≤ 10 ppm		
Residual solvents (Current ICH).....	Conform	Oxalic acid	≤ 360 ppm	Calcium	≤ 200 ppm		

Code	Size	Packaging	Notes
307307	1 kg	Plastic bottle	
307309	5 kg	Plastic tank	
307301	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



L(+)- Tartaric acid solution 20% in water

• Acido L(+)-tartarico soluzione 20% in acqua • Acide L(+)-tartrique 20% • Acido L(+)-tartárico solución 20% en agua • L (+) Weinsäure 20%

HOOC(CHOH)₂COOH
Molecular Weight: 150,09
CAS: 87-69-4



Danger

H318
P280i-P305+P351+P338-P310a

L(+)- Tartaric acid solution 20% in water > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 15° C ~ 1.10 Assay (acidimetric) 20 ÷ 21 %

Code	Size	Packaging	Notes
E411131	1 l	Bottle	

L-(+)-Tartaric acid diammonium salt ▶ Ammonium L(+)-tartrate



Tartrazine

• Tartrazina • Tartrazine • Tartracina • Tartrazin

Synonym:
Acid Yellow 23

C₁₆H₉N₄Na₃O₉S₂
Molecular Weight: 534,39
CAS: 1934-21-0
EEC-N: 217-699-5

Tartrazine > RS - For microscopy - C.I. 19140

RS

Description Orange powder Identification Positive Water insoluble substances ≤ 0.2 % Assay (oxidimetric) ≥85 %

Code	Size	Packaging	Notes
486903	50 g	Glass bottle	

Dye for histology



Tauber reagent

• Tauber reattivo • Réactif de Tauber • Tauber reactivo • Tauber-Reagenz

HEU210

Tauber reagent > RS - For microscopy

RS

Description Yellow clear liquid Identification Positive Sensibilità acido ascorbico Conform

Code	Size	Packaging	Notes
490422	500 ml	Glass bottle	

TCA ▶ Trichloroacetic acid



Tellurium lumps

• Tellurio pezzi • Tellure en morceaux • Teluro trozos • Tellur in Stücken

Te
Molecular Weight: 127,61
CAS: 13494-80-9
EEC-N: 236-813-4



Danger

H332-H319-H360-H335-HA26
P261-P271-P280-P304+P340-P305+P351+P338-
P403+P233

Tellurium lumps > RPE - For analysis

RPE

Description Pezzi lucenti Identification Positive Assay (oxidimetric) 99 ÷ 100 %

Code	Size	Packaging	Notes
487002	25 g	Glass bottle	

**Tellurium powder**

• Tellurio polvere • Tellure en poudre • Teluro polvo • Tellurpulver

Te

Molecular Weight: 127,6

CAS: 13494-80-9

EEC-N: 236-813-4

**Danger**

H332-H319-H360-H335-HA26

P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Tellurium powder > RPE - For analysis**RPE**

DescriptionBlack powder Identification Positive Assay (oxidimetric)≥99 %

Code	Size	Packaging	Notes
487023	50 g	Glass bottle	

**Tellurium standard solution**

• Tellurio standard soluzione • Tellurium solution standard • Teluro, solución patrón • Tellur-Standardlösung

Classification transport

ONU: 3264

Transport Hazard class: 8

Packing group II

**Danger**

H290-H314

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338

Tellurium standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505887	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505888	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Tellurium standard solution > RS - Standard solution for ICP****RS**

Code	Size	Packaging	Notes
503981	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503983	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503985	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503987	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Tellurium standard solution > RS - Standard solution for AAS****RS**

Code	Size	Packaging	Notes
507762	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507518	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Terbium standard solution

• Terbio standard soluzione • Terbium solution standard • Terbio, solución patrón • Terbium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Terbium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505882	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505885	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505883	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Terbium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503971	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503973	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
503975	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
503977	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Tetrabutylammonium bisulfate

• Tetrabutylammonio bisolfato • Tetrabutylammonium bisulfate • Tetrabutylamonio bisulfato • Tetrabutylammonium bisulfate

$C_{16}H_{37}NO_4S$
Molecular Weight: 339,53
CAS: 32503-27-8
EEC-N: 251-068-5



Warning

H302-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Tetrabutylammonium bisulfate > RS - For ion pair chromatography

RS

Absorbance UV curve (10%)
A210nm (1M) ≤ 0.06 AU
A220nm (1M) ≤ 0.05 AU
A230nm (1M) ≤ 0.03 AU
A260nm (1M) ≤ 0.02 AU
A500nm (1M) ≤ 0.02 AU
Assay ≥ 99.0 %

Code	Size	Packaging	Notes
405971	25 g	Plastic bottle	
405972	100 g	Plastic bottle	

Tetrabutylammonium bisulfate > RPE - For analysis

RPE

Description White crystals
Assay (acidimetric) ≥ 97.5 %
Water (K.F.) ≤ 0.15 %
Identification Positive
Melting point 168 ± 172 °C

Code	Size	Packaging	Notes
487101	250 g	Plastic bottle	

**Tetrabutylammonium bromide**

• Tetrabutylammonio bromuro • Tétrabutylammonium bromure • Tetrabutylamonio bromuro • Tetrabutylammoniumbromid

 $(C_4H_9)_4NBr$
Molecular Weight: 322,37
CAS: 1643-19-2
EEC-N: 216-699-2**Warning**H302
P264-P270-P301+P312a-P330-P501a**Tetrabutylammonium bromide > RS - For polarography****RS**

Description White crystals Identification Positive Melting point 100÷104 °C

Code	Size	Packaging	Notes
487051	10 g	Glass bottle	

**Tetrabutylammonium hydroxide solution 0.1 mol/l (0.1N)**• Tetrabutylammonio idrossido soluzione 0.1 mol/l (0.1N) • Tétrabutylammonium hydroxyde 0.1 mol/l (0.1N)
• Tetrabutylamonio hidróxido solución 0.1 mol/l (0.1N) • Tetrabutylammoniumhydroxid 0.1 mol/l (0.1N) $(C_4H_9)_4NOH$
Molecular Weight: 259,48
CAS: 2052-49-5**Classification transport**ONU: 1993
Transport Hazard class: 3
Packing group II**Danger**H225-H302-H315-H319-H361d-H371-H336-H373
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P308+P313**Tetrabutylammonium hydroxide solution 0.1 mol/l (0.1N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2****RS**

Code	Size	Packaging	Notes
613008300	1 l	Glass bottle	Ref Ph.Eur 3008300

**Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol**• Tetrabutylammonio idrossido 0.1 mol/l (0.1N) in isopropanolo • Tétrabutylammonium hydroxyde 0.1 mol/l (0.1N) dans propanol-2
• Tetrabutylamonio hidróxido 0.1 mol/l (0.1N) en 2-propanol • Tetrabutylammoniumhydroxid 0.1 mol/l (0.1N) in 2-Propanol $(C_4H_9)_4NOH$
Molecular Weight: 259,48
CAS: 2052-49-5**Classification transport**ONU: 1992
Transport Hazard class: 3
Packing group II**Danger**H225-H301-H314-H370-H336
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P305+P351+P338**Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol > RS - For analysis according to Ph. Eur. Chap. 4.2.2****RS**

Code	Size	Packaging	Notes
613008400	1 l	Glass bottle	Ref Ph.Eur 3008400

Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol > RPE - For analysis**RPE**

Description Clear colourless liquid Identification Positive Density at 20° C ~ 0.80 Titration factor 0.995 ÷ 1.005

Code	Size	Packaging	Notes
E487031	500 ml	Glass bottle	

Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in methanol / propanol-2 (50/50)

- Tetrabutylammonio idrossido 0.1 mol/l (0.1N) in metanolo/propan-2-olo (50/50)
- Tetrabutylammonium hydroxyde 0.1 mol/l (0.1N) dans méthanol / propanol-2 (50/50)
- Tetrabutylammonio hidróxido 0.1 mol/l (0.1N) en metanol / propanol-2 (50/50)
- Tetrabutylammoniumhydroxid 0.1 mol/l (0.1 N) in Methanol / Propanol-2 (50/50)

(C₄H₉)₄NOH
Molecular Weight: 259,48
CAS: 2052-49-5

Classification transport
ONU: 1992
Transport Hazard class: 3
Packing group II



Danger
H225-H301-H315-H318-H370-H336
P210-P241-P280-P301+P310a-P303+P361+P353-P305+P351+P338

Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in methanol / propanol-2 (50/50) > RPE - For analysis

RPE

Assay (potentiometry) 0.0998 - 0.1002 N

Code	Size	Packaging	Notes
P3840016	1 l	Glass bottle	

Tetrachloroauric(III) acid ► Gold(III) chloride trihydrate

Tetrachloro-1,4-benzoquinone ► Chloranil

Tetrachloroethylene

- Tetracloroetilene • Tétrachloroéthylène • Tetracloroetileno • Tetrachlorethylen

Synonym:
Perchloroethylene

C₂Cl₄
Molecular Weight: 165,83
CAS: 127-18-4
EEC-N: 204-825-9

Classification transport
ONU: 1897
Transport Hazard class: 6.1
Packing group III



Warning
H315-H319-H317-H351-H336-H411
P261-P271-P280-P304+P340-P305+P351+P338-P403+P233

Tetrachloroethylene > RS - SPECTROSOL - For optical spectroscopy

RS

Clear, colourless liq. appearance Conform	Water content (K.F.) ≤ 100 mg/Kg	Fluorescence (quinine) at 365 nm .. ≤ 2 ppb	UV transmittance at 360 nm ≥ 88 %
Identification Conform	Non volatile residue ≤ 10 mg/Kg	UV transmittance at 300 nm ≥ 75 %	UV transmittance at 400 nm ≥ 97 %
Refractive index at 20°C .. 1.5014 - 1.5074	Assay (GC) ≥ 99.9 %	UV transmittance at 310 nm ≥ 83 %	
Density at 20°C 1.618 - 1.628	Free acid ≤ 0.0003 meq/g	UV transmittance at 320 nm ≥ 88 %	
Boiling point 120.3 - 121.8 °C	Free alkali ≤ 0.00006 meq/g	UV transmittance at 340 nm ≥ 88 %	

Code	Size	Packaging	Notes
P0682716	1 l	Glass bottle	
P0682721	2.5 l	Glass bottle	

Tetrachloroethylene > RPE - For analysis - Stabilized

RPE

Description Clear colourless liquid	Phosgene Conform	Water (K.F.) ≤ 200 ppm	Chloride ≤ 1 ppm
Identification Positive	Ready carbonizable substances Conform	Residue on evaporation ≤ 10 ppm	Assay (GLC) ≥ 99.5 %
Alcohol miscibility Complete	Density at 20 °C 1.618 ÷ 1.628	Acidity (HCl) ≤ 5 ppm	
Benzene miscibility Complete	Refractive index at 20°C .. 1.5014 ÷ 1.5074	Alcalinity (NH ₃) ≤ 0.5 ppm	
Diethyl ether miscib. Complete	Boiling point 120.3 ÷ 121.8 °C	Free chlorine ≤ 0.1 ppm	

Code	Size	Packaging	Notes
449671	1 l	Glass bottle	
449672	2.5 l	Glass bottle	
449673	35 kg	Drum	

Tetrachloroethylene > RE - Pure - Stabilized

RE

Refractive index at 20°C 1.503 - 1.507	Identification Positive	Colour ≤ 10 Hazen	Assay (GLC) ≥ 98 %
Description Clear colourless liquid	Non volatile residue ≤ 50 mg/Kg	Residue on evaporation ≤ 20 ppm	
Water content (K.F.) ≤ 100 mg/Kg	Density at 20 °C 1.618 ÷ 1.628	Assay (GC) ≥ 99 %	

Code	Size	Packaging	Notes
343001	1 l	Glass bottle	
P0680228	5 l	Plastic tank	
343003	40 kg	Metal drum	

**Tetrachloroethane-d2**

• Tetracloroetano-d2 • Tétrachloroéthane-d2 • Tetracloroetano-d2 • Tetrachlorethan-d2

Synonym:

- 1,1,2,2-Tetrachloroethane-d2
- 1,2-Dideutero-1,1,2,2-tetrachloroethane

 $C_2D_2Cl_4$

Molecular Weight: 169,86

CAS: 33685-54-0

EEC-N: 251-634-1

Classification transport

ONU: 1702

Transport Hazard class: 6.1

Packing group II

**Danger**

H310-H330-H411

P284-P304+P340-P310a-P320-P361+P364-

P403+P233

Tetrachloroethane-d2 > RS - For NMR - min 99.5%**RS**

Code	Size	Packaging	Notes
P5435	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Tetraethylammonium bromide**

• Tetraetilammonio bromuro • Tétréthylammonium bromure • Tetraetilammonio bromuro • Tetraethylammoniumbromid

Synonym:

TEA Bromide

 $(C_2H_5)_4NBr$

Molecular Weight: 210,17

CAS: 71-91-0

EEC-N: 200-769-4

Tetraethylammonium bromide > RS - For polarography**RS**

Description White powder Identification Positive

Code	Size	Packaging	Notes
487152	25 g	Glass bottle	

**Tetrahydrofuran**

• Tetraidrofurano • Tétrahydrofuranne • Tetraidrofurano • Tetrahydrofuran

 $OCH_2CH_2CH_2CH_2$

Molecular Weight: 72,11

CAS: 109-99-9

EEC-N: 203-726-8

Classification transport

ONU: 2056

Transport Hazard class: 3

Packing group II

**Danger**

H225-H302-H319-H351-H335-HEU019

P210-P280-P303+P361+P353-P304+P340-

P305+P351+P338-P403+P233

Tetrahydrofuran > RS - For HPLC - Isocratic grade - Not stabilized**RS**

Description Clear colourless liquid	Residue on evaporation ≤200 ppm	at 230 nm ≥15 %	at 280 nm ≥92 %
Identification Positive	Peroxide ≤200 ppm	at 240 nm ≥40 %	At 310 nm ≥ 98 %
Density at 20° C 0.885 ÷ 0.893	Acidity ≤0.00035 meq/g	at 250 nm ≥55 %	At 315 nm ≥ 99 %
Refractive index at 20° C 1.4040 ÷ 1.4100	Alcalinity ≤0.0006 meq/g	at 260 nm ≥70 %	
Boiling point 64.0 ÷ 65.0 ° C	Assay (GLC) ≥99.9 %	at 270 nm ≥85 %	
Water (K.F.) ≤200 ppm	U.V. Transmittance	At 275 nm ≥ 90 %	

Code	Size	Packaging	Notes
412451000	1 l	Glass bottle	
412453000	1 l	Glass bottle PVC coated	
412452000	2.5 l	Glass bottle	

Tetrahydrofuran > RS - For HPLC - Isocratic grade - Stabilized with BHT**RS**

Clear, colourless liq. appearance Conform	Water content (K.F.) ≤ 200 mg/Kg	UV transmittance at 250 nm ≥ 40 %	Free acid (as CH ₃ COOH) ≤ 20 mg/Kg
Identification Conform	Peroxides (as H ₂ O ₂) ≤ 50 mg/Kg	UV transmittance at 280 nm ≥ 30 %	Assay (GC) ≥ 99.8 %
Colour ≤ 10 Apha	Stabilizer (ionol) 40 - 60 mg/Kg	UV transmittance at 300 nm ≥ 90 %	Non volatile residue (without stab.) ≤ 5 mg/Kg
Refractive index at 20° C 1.405 - 1.409	UV transmittance at 240 nm ≥ 10 %	UV transmittance at 320 nm ≥ 95 %	

Code	Size	Packaging	Notes
412471	1 l	Glass bottle	
412472	2.5 l	Glass bottle	

Tetrahydrofuran > RS - For preparative HPLC - Stabilized with BHT

RS

Description	Clear colourless liquid	Boiling point.....	64.0 ÷ 65.0 ° C	Peroxide	≤50 ppm	Stabilizer (IonoI).....	40 ÷ 60 ppm
Identification	Positive	Water (K.F.).....	≤200 ppm	Assay (GLC)	≥99.8 %		
Density at 20° C	0.885 ÷ 0.893	Residue on evaporation	≤5 ppm	U.V. Transmittance			
Refractive index at 20°C.....	1.4040 ÷ 1.4100	Alcalinity.....	≤0.0002 meq/g	at 320 nm	≥90 %		

Code	Size	Packaging	Notes
487352	2.5 l	Glass bottle	

Tetrahydrofuran > RS - SPECTROSOL - For optical spectroscopy - Not stabilized - Reag.Ph.Eur.

RS

Description	Clear colourless liquid	Boiling point.....	64.0 ÷ 65.0 ° C	Peroxides (H2O2)	≤300 ppm	at 300 nm	≥95 %
Colour (APHA)	≤10	Water (K.F.).....	≤200 ppm	Assay (GLC)	≥99.9 %	at 320 nm	≥98 %
Identification	Positive	Residue on evaporation	≤5 ppm	U.V. Transmittance		UV Absorbance at 255 nm.....	≤ 0.70 AU
Density at 20° C	0.885 ÷ 0.893	Acidity	≤0.0005 meq/g	at 240 nm	≥30 %	UV Absorbance at 270 nm.....	≤ 0.10 AU
Refractive index at 20°C.....	1.4040 ÷ 1.4100	Alcalinity.....	≤0.0002 meq/g	at 250 nm	≥50 %	UV Absorbance at 310 nm.....	≤ 0.01 AU

Code	Size	Packaging	Notes
487345	1 l	Glass bottle	
487346	2.5 l	Glass bottle	

Tetrahydrofuran > RS - Anhydrous - For analysis - Stabilized with BHT

RS

Refractive index at 20°C.....	1.405 - 1.409	Peroxides (as H2O2).....	≤ 20 mg/Kg	Free acid (as CH3COOH).....	≤ 20 mg/Kg	Density d20/4	0.884 - 0.894
Water content (K.F.).....	≤ 100 mg/Kg	Stabilizer (IonoI).....	200 - 400 mg/Kg	Clear,colourless liq.appearance.....	Conform	Non volatile residue (without stab.)	≤ 10 mg/Kg
Colour	≤ 10 Hazen	Assay (GC).....	≥ 99.9 %	Identification (IR).....	Conform		

Code	Size	Packaging	Notes
P0701010	200 ml	Bottle with septum	
P07010T10	200 ml	Bottle with septum	On molecular sieves 4A
P0701016	1 l	Glass bottle	
P07010T16	1 l	Glass bottle	On molecular sieves 4A
P0701021	2.5 l	Glass bottle	

Tetrahydrofuran > RPE - For analysis - ACS - Reag.Ph.Eur. - Reag.USP - Stabilized with BHT

RPE

Description	Clear colourless liquid	Acidity (acetic acid).....	≤20 ppm	Cr.....	≤0.02 ppm	Zn	≤0.1 ppm
Colour (APHA)	≤ 10	Alcalinity (NH3).....	≤7 ppm	Cu	≤0.02 ppm	Assay (GLC)	≥99.9 %
Identification (I.R.).....	Conform	Peroxides (H2O2)	≤20 ppm	Fe	≤0.1 ppm	Stabilized with BHT.....	200 ÷ 350 ppm
Density at 20° C	0.885 ÷ 0.893	Al	≤0.5 ppm	Mg	≤0.1 ppm	Residue on evaporation (without stab.)	≤ 10 ppm
Refractive index at 20°C.....	1.4040 ÷ 1.4100	Ba	≤0.1 ppm	Mn	≤0.02 ppm		
Boiling point.....	64.0 ÷ 65.0 ° C	Ca	≤0.5 ppm	Ni	≤0.02 ppm		
Water (K.F.).....	≤150 ppm	Cd	≤0.05 ppm	Pb	≤0.1 ppm		
Residue on evaporation	≤300 ppm	Co	≤0.02 ppm	Sn	≤0.1 ppm		

Code	Size	Packaging	Notes
487308	1 l	Glass bottle	
487303	2.5 l	Glass bottle	
487305	5 l	Plastic tank	
487307	5 l	Aluminium can	
487301	23 kg	Metal drum	
487309	200 l	Metal drum	

Tetrahydrofuran > RE - Pure - Stabilized with BHT

RE

Description	Clear colourless liquid	Refractive index at 20°C. 1.4020 ÷ 1.4120	Acidity	≤50 ppm	Residue on evaporation (without stab). ≤ 50 ppm
Identification	Positive	Boiling point..... 63.8 ÷ 65.3 ° C	Peroxides (H2O2)	≤100 ppm	Stabilized with BHT..... 200 ÷ 350 ppm
Density at 20° C	0.884 ÷ 0.894	Water (K.F)	Assay (GLC)	≥99.5 %	

Code	Size	Packaging	Notes
382981	1 l	Glass bottle	
382985	2.5 l	Glass bottle	
382982	5 l	Aluminium can	
528481	5 l	Plastic tank	
382986	23 kg	Metal drum	
382983	200 l	Metal drum	

**Tetrahydrofuran-d8**

• Tetraidrofurano-d8 • Tétrahydrofuranne-d8 • Tetrahydrofurano-d8 • Tetrahydrofuran-d8

Synonym:

Octadeuterotetrahydrofuran

C ₄ D ₈ O	Classification transport			Danger
Molecular Weight: 80,16	ONU: 2056			H225-H315-H319-H351-H335-HEU019
CAS: 1693-74-9	Transport Hazard class: 3			P210-P280-P303+P361+P353-P304+P340-
EEC-N: 216-898-4	Packing group II			P305+P351+P338-P403+P233

Tetrahydrofuran-d8 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5380	2 x 0.6 ml	Glass ampoule	
P5385	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis**Tetramethylammonium hydroxide 10%**

• Tetrametilammonio idrossido 10% • Tétraméthylammonium hydroxyde 10% • Tetrametilamonio hidróxido 10% • Tetramethylammoniumhydroxid 10%

C ₄ H ₁₃ NO	Classification transport			Danger
Molecular Weight: 91,16	ONU: 1835			H301-H311-H314-H370-H372
CAS: 75-59-2	Transport Hazard class: 8			P280-P301+P310a-P301+P330+P331-
	Packing group II			P303+P361+P353-P304+P340-P305+P351+P338

Tetramethylammonium hydroxide 10% > RS - For polarography and steroids detection

RS

Description	Clear colourless liquid	Identification	Positive	Assay (acidimetric)	9.5 ÷ 10.5 %
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Code	Size	Packaging	Notes
487491	100 ml	Glass bottle	
487492	250 ml	Glass bottle	

**N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride**

- N,N,N',N'-Tetrametil-p-fenilendiammina bicloridrato
- N,N,N',N'-Tétraméthyl-p-phénylènediamine dichlorhydraté
- N,N,N',N'-Tetrametil -p-fenilendiammina diclorhidrato
- N,N,N',N'-Tetramethyl-p-phenylenediamin-Dihydrochlorid

Synonym:

- TMPPD
- Wurster's reagent

C ₆ H ₄ [N(CH ₂) ₂] ₂ ·2HCl	Warning	
Molecular Weight: 237,17	H315-H319-H335	
CAS: 637-01-4	P261-P271-P304+P340-P305+P351+P338-	
EEC-N: 211-274-8	P332+P313-P403+P233	

N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride > RPE - For analysis

RPE

Description .	White-hazel crystalline powder	Identification	Positive	Melting point.....	219 ÷ 222 °C	Assay (non-aqueous medium)	≥ 98.5 %
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Code	Size	Packaging	Notes
487601	5 g	Glass bottle	

TFA ▶ Trifluoroacetic acid

TFAA ▶ Trifluoroacetic anhydride



Thallium standard solution

• Tallio standard soluzione • Thallium solution standard • Talio, solución patrón • Thallium-Standardlösung

Thallium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003000	100 ml	Plastic bottle	A 10 ppm solution Ref Ph.Eur 5003000

Thallium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505912	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505915	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505913	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Thallium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504011	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504013	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504015	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504017	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Thiazole Yellow G ▶ Clayton's yellow



Thioacetamide

• Tioacetammide • Thioacétamide • Tioacetamida • Thioacetamid

Synonym:
Ethanethioamide

C₂H₅NS
Molecular Weight: 75,13
CAS: 62-55-5



Thioacetamide > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000211	100 ml	Plastic bottle	Thioacetamide TS

Thioacetamide > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystalline powder Melting point 111 ÷ 114 ° C Assay (argentimetric) ≥ 99.0 %
Identification Positive Residue on ignition ≤ 500 ppm Appearance of solution 2% Conform

Code	Size	Packaging	Notes
487803	50 g	Glass bottle	

**Thioacetamide solution 40 g/l**

- Tioacetammide soluzione 40 g/l • Thioacétamide solution 40 g/l • Tioacetamida solución 40 g/l
- Thioacetamidlösung 40 g/l

Synonym:
Ethanethioamide

CH_3CSNH_2
Molecular Weight: 75,13
CAS: 62-55-5

**Danger**

H350-HA26
P201-P202-P280-P308+P313-P405-P501a

Thioacetamide solution 40 g/l > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611089603	100 ml	Plastic bottle	Ref Ph.Eur 1089602
611089602	1 l	Plastic bottle	Ref Ph.Eur 1089602

**2-Thiobarbituric acid**

- Acido 2-tiobarbiturico • Acide 2-thiobarbiturique • Acido 2-tiobarbitúrico • 2-Thiobarbitursäure

Synonym:
• 4,6-Dihydroxy-2-mercaptopyrimidine
• 4,6-Dihydroxypyrimidine-2-thiol

$\text{NHCOCH}_2\text{CONHCS}$
Molecular Weight: 144,15
CAS: 504-17-6
EEC-N: 207-985-8

2-Thiobarbituric acid > RPE - For analysis**RPE**

Description Yellowish crystalline powder Identification Positive Loss on drying ≤ 2 % Assay (acidimetric) ≥ 97.5 % (s.s.)

Code	Size	Packaging	Notes
411271	5 g	Glass bottle	
411272	25 g	Glass bottle	

Thiocarbamide ► Thiourea

Thioethylene glycol ► 2-Mercaptoethanol

**Thioglycolic acid 80%**

- Acido tioglicólico 80% • Acide thioglycolique 80% • Acido tioglicólico 80% • Thioglykolsäure 80%

Synonym:
Mercaptoacetic acid

$\text{C}_2\text{H}_4\text{O}_2\text{S}$
Molecular Weight: 92,12
CAS: 68-11-1

Classification transport

ONU: 1940
Transport Hazard class: 8
Packing group II

**Danger**

H301-H311-H331-H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P311a-P305+P351+P338-P361+P364-
P403+P233

Thioglycolic acid 80% > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611089700	10 ml	Glass bottle	Ref Ph.Eur 1089700

Thioglycolic acid 80% > RPE - For analysis**RPE**

Description Clear colourless liquid Density at 20° C ≥ 1.260 Iron sensitivity ≥ 0.1 µg/ml Fe ≤ 50 ppm
Identification Positive Heavy metals (Pb) ≤ 10 ppm Sulphate ≤ 50 ppm Assay (oxidimetric) ≥ 78 %

Code	Size	Packaging	Notes
411385	500 ml	Glass bottle	



Thiourea

• Tiourea • Thiourée • Tiourea • Thioharnstoff

Synonym:

- Thiocarbamide
- Sulfourea

NH_2CSNH_2
Molecular Weight: 76,12
CAS: 62-56-6
EEC-N: 200-543-5



Warning

H302-H351-H361d-H411

P264-P280-P301+P312a-P330-P308+P313-P501a

Thiourea > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description White crystalline powder Water solubility..... Conform Loss on drying ≤0.5 % Assay (argentimetric)..... ≥99.0 % s.s.
Identification Positive Melting point..... 174 ÷ 177 °C Residue on ignition..... ≤0.1 %

Code	Size	Packaging	Notes
488104	100 g	Plastic bottle	
488105	250 g	Plastic bottle	
488107	1 kg	Plastic bottle	
488102	25 kg	Plastic bucket	
488101	50 kg	Fibre drum	

Thiourea > RE - Pure

RE

Description White crystalline powder Melting point..... 173 ÷ 178 °C Residue on ignition..... ≤0.1 % Assay (argentimetric)..... ≥98 %
Identification Positive Loss on drying ≤2 % Fe ≤10 ppm

Code	Size	Packaging	Notes
385407	1 kg	Plastic bottle	
385409	5 kg	Plastic tank	
385403	25 kg	Plastic bucket	



Thorium standard solution

• Torio standard soluzione • Thorium solution standard • Torio, solución patrón • Thorium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Thorium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504281	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504283	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Thulium standard solution

• Tullio standard soluzione • Thullium solution standard • Tullio, solución patrón • Thullium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Thulium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505917	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505918	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Thulium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507763	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507519	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Thymol

• Timolo • Thymol • Timol • Thymol

Synonym:

2-Isopropyl-5-methylphenol

C ₁₀ H ₁₄ O Molecular Weight: 150,22 CAS: 89-83-8 EEC-N: 201-944-8	Classification transport ONU: 2430 Transport Hazard class: 8 Packing group II		Danger H302-H314-H411 P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Thymol > ERBApharm - According to pharmacopoeia: BP-DAB-NF-Ph.Eur.-FU

ERBApharm

Description	Colourless crystals	Acidity	Conform Ph.Eur.	Melting point.....	48 ÷ 51 °C
Identification	Positive	Related compounds.....	Conform Ph.Eur.	Not volatile residue.....	≤500 ppm
Appearance of solution.....	Conform Ph.Eur.	Organic volatile impurities.....	Conform NF	Assay	99.0 ÷ 101.0 %

Code	Size	Packaging	Notes
384205	250 g	Plastic bottle	
384201	1 kg	Plastic bottle	
384202	2.5 kg	Plastic bottle	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Thymol blue

• Blu timolo • Bleu de thymol • Azul de timol • Thymolblau

Synonym:

Thymolsulfonphthalein

C ₂₇ H ₃₀ O ₅ S Molecular Weight: 466,59 CAS: 76-61-9 EEC-N: 200-973-3
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Thymol blue > RPE - For analysis

RPE

Description	Polvere verde bruna	Identification	Positive	pH range	1.2 ÷ 2.8	Colour change.....	rosso-giallo
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Code	Size	Packaging	Notes
429228	5 g	Glass bottle	
429222	25 g	Glass bottle	
429223	50 g	Plastic bottle	



Thymol blue 0.4% in ethanol

• Blu timolo soluzione 0,4% in alcole etilico • Bleu de thymol solution 0.4% dans l'éthanol
• Azul de timol solucion 0.4% en alcohol etilico • Thymolblau lösung 0.4% in Ethanol

Synonym:

Thymolsulfonphthalein

C ₂₇ H ₃₀ O ₅ S Molecular Weight: 466,59 CAS: 76-61-9	Classification transport ONU: 1170 Transport Hazard class: 3 Packing group III		Warning H226-H319 P210-P241-P280-P303+P361+P353-P305+P351+P338-P337+P313
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Thymol blue 0.4% in ethanol > RPE - For analysis

RPE

Description	Blue-brown liquid	Sensitivity(pH 1.2-2.8).....	Conform	Colour change.....	red-yellow
Identification	Positive	Sensitivity(pH 8.2-9.6).....	Conform		

Code	Size	Packaging	Notes
E429235	250 ml	Glass bottle	

Acid-basis indicator



Thymol blue indicator

• Blu timolo indicatore • Indicateur bleu de thymol • Indicador azul de timol • Thymol blauer Indikator

Thymol blue indicator > RS - For analysis

RS

pH.....6.8 - 7 unite pH Temperature of measurement..... 15 - 25 °C

Code	Size	Packaging	Notes
PS0270/15	1 l	Plastic bottle	



Thymol blue solution

• Blu timolo soluzione • Bleu de thymol solution • Azul de timol solución • Thymolblau lösung

Classification transport

ONU: 2924
Transport Hazard class: 3
Packing group III



Warning

H226-H319
P210-P241-P280-P303+P361+P353-
P305+P351+P338-P337+P313

Thymol blue solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611090601	100 ml	Plastic bottle	Ref Ph.Eur 1090601

Colour change: pH 1.2 (red) to pH 2.8 (yellow); pH 8.0 (olive-green) to pH 9.6 (blue)



Thymol blue TA indicator

• Blu timolo TA indicatore • Indicateur TA au bleu de thymol • TA indicador azul de timol • Thymolblau TA-Indikator

Thymol blue TA indicator > RS - For analysis

RS

pH.....6.5 - 7.5 unite pH Temperature of measurement..... 15 - 25 °C Coca-cola colour..... Conform

Code	Size	Packaging	Notes
PS0187/15	1 l	Plastic bottle	
PS0187/16	1 l	Glass bottle	



Thymolphthalein

• Timolfaleina • Thymolphthaléine • Timolftaleina • Thymolphthalein

Synonym:

5',5''-Diisopropyl-2',2''-dimethylphenolphthalein



Molecular Weight: 430,55

CAS: 125-20-2

EEC-N: 204-729-7

Thymolphthalein > RPE - For analysis - ACS

RPE

Description White crystalline powder Identification Positive Colour change..... incolore ÷ blu pH range 8.8 ÷ 10.5

Code	Size	Packaging	Notes
487728	5 g	Glass bottle	
487729	25 g	Glass bottle	



Thymolphthalein 0.1% hydroalcoholic solution

- Timolftealaina 0.1% soluzione idroalcolica • Thymolphthaléine 0.1% solution hydroalcoolique
- Timolftealaina 0.1% solución hidroalcohólica • Thymolphthalein 0.1% ige hydroalkoholische Lösung

Synonym:
5',5''-Diisopropyl-2',2''-dimethylphenolphthalein



Molecular Weight: 430,55

CAS: 125-20-2

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II



Danger

H225-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P337+P313

Thymolphthalein 0.1% hydroalcoholic solution > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 0.877 ÷ 0.883 pH range 9.3 - 10.5
 Identification Positive Colour change..... incolore blu

Code	Size	Packaging	Notes
E487755	250 ml	Glass bottle	

Michaelis indicator series



Thymolphthalein solution 0.1% in ethanol

- Timolftealaina soluzione 0.1% in etanolo • Thymolphthaléine solution 0.1% dans l'éthanol
- Timolftealaina solución 0.1% en etanol • Thymolphthaleinlösung 0.1% in Ethanol

Synonym:
5',5''-Diisopropyl-2',2''-dimethylphenolphthalein



Molecular Weight: 430,55

CAS: 125-20-2

Classification transport

ONU: 1170

Transport Hazard class: 3

Packing group II



Danger

H225-H319

P210-P241-P280-P303+P361+P353-

P305+P351+P338-P337+P313

Thymolphthalein solution 0.1% in ethanol > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611090701	100 ml	Plastic bottle	Ref Ph.Eur 1090701

Colour change: pH 9.3 (colourless) to pH 10.5 (blue)



Tin, powder

- Stagno, polvere • Etain, poudre • Estaño, polvo • Zinnpulver

Sn

Molecular Weight: 118,69

CAS: 7440-31-5

EEC-N: 231-141-8

Tin, powder > RPE - For analysis

RPE

Description Grey powder Assay (gravimetric) ≥99 % Particle size >75 µm ≤ 0.5 %
 Identification Positive Particle size >106 µm ≥ 0 % Particle size >45 µm 3 - 15 %

Code	Size	Packaging	Notes
484914	100 g	Glass bottle	
484917	1 kg	Plastic bottle	



Tin foil

- Stagno lastra • Etain en feuilles • Estaño hojas • Zinn geht

Sn

Molecular Weight: 118,69

CAS: 7440-31-5

EEC-N: 231-141-8

Tin foil > RPE - For analysis

RPE

Description Metallic foil Identification Positive Assay (gravimetric) ≥99 %

Code	Size	Packaging	Notes
484887	1 kg	Box	



Tin standard solution

• Stagno standard soluzione • Etain solution standard • Estaño, solución patrón • Zinn-Standardlösung

Classification transport
 ONU: 3264
 Transport Hazard class: 8
 Packing group III



Warning
 H290
 P234-P390-P406

Tin standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003101	100 ml	Plastic bottle	A 0.1 ppm solution: to dilute according to Ref Ph.Eur 5003101
615003109	100 ml	Plastic bottle	A 5 ppm solution: to dilute according to Ref Ph.Eur 5003100

Tin standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505862	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505865	100 ml	Plastic bottle	conc. 100 ppm Matrix: Hydrofluoric acid and nitric acid
505863	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tin standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
503941	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503943	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
503945	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
503947	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tin standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
503949	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid
507492	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
E497655	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
E497651	500 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tin standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
484861		Plastic ampoule	conc. 1.000 ppm Matrix: Hydrochloric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Tin (II) chloride dihydrate

• Stagno cloruro oso diidrato • Chlorure d'étain (II) dihydrate • Estaño (II) cloruro dihidrato
• Zinn (II) chloriddihydrat

Synonym:
Stannous chloride dihydrate

SnCl₂·2H₂O
Molecular Weight: 225,63
CAS: 10025-69-1
EEC-N: 231-868-0

Classification transport
ONU: 3260
Transport Hazard class: 8
Packing group III



Danger
H314-H335-H373
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Tin (II) chloride dihydrate > RPE - For analysis - ACS

RPE

Description White crystals Sulphate Conform K ≤ 50 ppm Assay (oxidimetric) 98.0 ÷ 103.0 %
Identification Positive Ca ≤ 50 ppm Na ≤ 100 ppm
HCl solubility Conform Fe ≤ 30 ppm Pb ≤ 100 ppm

Code	Size	Packaging	Notes
485004	100 g	Plastic bottle	
485005	250 g	Plastic bottle	
485007	1 kg	Plastic bottle	
485002	5 kg	Plastic jar	

Tin (II) chloride dihydrate > RE - Pure

RE

Description White crystals Identification Positive Assay (oxidimetric) ≥97.0 %

Code	Size	Packaging	Notes
379406	500 g	Plastic bottle	
379407	5 kg	Plastic tank	
379403	25 kg	Plastic bucket	



Tin (II) chloride solution

• Stagno cloruro oso soluzione • Etain (II) chlorure solution • Estaño (II) cloruro solución
• Zinn (II) chloridlösung

Synonym:
Stannous chloride

SnCl₂·2H₂O
Molecular Weight: 189,62
CAS: 10025-69-1



Danger
H314-H373
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Tin (II) chloride solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611085001	100 ml	Glass bottle	Ref Ph.Eur 1085001



Tin (II) chloride solution 10%

• Stagno cloruro oso soluzione 10% • Chlorure d'étain (II) dihydrate solution 10%
• Estaño (II) cloruro solución 10% • Zinn (II) -chloridlösung 10%

Synonym:
Stannous chloride

SnCl₂·2H₂O
Molecular Weight: 189,62
CAS: 10025-69-1



Danger
H314-H373
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Tin (II) chloride solution 10% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Density at 20° C 1.075 ÷ 1.085 Assay 9.5 ÷ 10.5 %

Code	Size	Packaging	Notes
E485041	1 l	Bottle	



Tin (II) sulfate

• Stagno solfato oso • Etain (II) sulfate • Estaño (II) sulfato • Zinn (II) sulfat

Synonym:
Stannous sulfate

SnSO₄
Molecular Weight: 214,75
CAS: 7488-55-3
EEC-N: 231-302-2

Tin (II) sulfate > RE - Pure

RE

Description Yellowish crystalline powder
Identification Positive

Co ≤50 ppm
Cu ≤20 ppm

Fe ≤100 ppm
Ni ≤20 ppm

Pb ≤200 ppm
Assay (oxidimetric) ≥95 %

Code	Size	Packaging	Notes
379601	1 kg	Plastic bottle	



Tin (IV) chloride pentahydrate

• Stagno cloruro ico pentaidrato • Etain (IV) chlorure pentahydrate • Estaño (IV) cloruro pentahidratado • Zinn (IV) chloridpentahydrat

Synonym:
Tin tetrachloride

SnCl₄·5H₂O
Molecular Weight: 350,58
CAS: 10026-06-9
EEC-N: 231-588-8

Classification transport
ONU: 2440
Transport Hazard class: 8
Packing group III



Danger
H314-H412
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Tin (IV) chloride pentahydrate > RPE - For analysis

RPE

Description White to off-white crystalline powder or lumps
Identification Positive

Fe ≤ 50 ppm
Assay (argentimetric) ≥ 98.0 %

Pb ≤ 50 ppm

Code	Size	Packaging	Notes
485074	100 g	Glass bottle	
485076	500 g	Plastic bottle	



Tin (IV) oxide

• Stagno ossido ico • Etain (IV) oxyde • Estaño (IV) óxido • Zinn (IV) oxid

SnO₂
Molecular Weight: 150,69
CAS: 18282-10-5
EEC-N: 242-159-0

Tin (IV) oxide > RPE - For analysis

RPE

Description White to light grey powder
Identification Positive
Assay ≥ 99.9 %

Code	Size	Packaging	Notes
485154	100 g	Glass bottle	



Tisab

• Tisab • Tisab • Tisab • TISAB



Danger
H318
P280i-P305+P351+P338-P310a

Tisab > RS - For analysis

RS

pH 4.7 - 4.9 unite pH
Temperature of measurement 19 - 21 °C

Code	Size	Packaging	Notes
PS0363/21	2.5 l	Glass bottle	

Tisab > RS - For fluorides analysis

RS

pH..... 5.00 - 6.00 unité pH Temperature of measurement..... 19 - 21 °C

Code	Size	Packaging	Notes
PS0809/22	5 l	Plastic tank	

**Tisab III solution**

• Tisab III soluzione • Tisab III solution • Tisab III solución • Tisab III-Lösung

**Danger**

H318

P280i-P305+P351+P338-P310a

Tisab III solution > RS - For fluorides analysis

RS

Description Clear colourless liquid Identification Positive pH at 20° C 5.0 ÷ 5.5

Code	Size	Packaging	Notes
488162	500 ml	Plastic bottle	

**Titanium standard solution**

• Titanio standard soluzione • Titane solution standard • Titanio, solución patrón • Titan-Standardlösung

Titanium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003200	1 l	Plastic bottle	A 100 ppm solution Ref Ph.Eur 5003200

Titanium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505907	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505908	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid
505909	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrofluoric acid and nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Titanium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
504001	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid
504003	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid
504005	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid
504007	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Titanium standard solution > RS - Standard solution for AAS**

RS

Code	Size	Packaging	Notes
507764	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
507520	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Titanium dioxide

• Titano biossido • Titane dioxide • Titanio dióxido • Titandioxid

Synonym:

- Titanium(IV) oxide
- Titania

TiO₂
Molecular Weight: 79,9
CAS: 13463-67-7
EEC-N: 236-675-5

Titanium dioxide > RPE - For analysis

RPE

Description	White powder	Phosphate	≤0.1 %	Water solubility	≤0.4 %	Zn	≤50 ppm
Identification	Positive	H2SO4-insoluble matter	≤0.1 %	As	≤2 ppm	Assay (oxidimetric)	≥98.5 %
Loss on drying	≤0.5 %	Heavy metals (Pb)	≤10 ppm	Cu	≤5 ppm		
Loss on ignition	≤1.0 %	Sulphate	≤0.1 %	Fe	≤50 ppm		
Chloride	≤200 ppm	Solubility in dil. HCl	≤0.5 %	Pb	≤10 ppm		

Code	Size	Packaging	Notes
488256	100 g	Plastic bottle	
488257	1 kg	Plastic bottle	
488251	10 kg	Carton box	

Titanium dioxide > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-BP

ERBApharm

Description	White powder	Barium	Conform Ph.Eur.	Loss on ignition	≤0.5 %	Fe	≤200 ppm
Identification	Positive	Water-soluble subst.	≤0.25 %	Heavy metals (Pb)	≤20 ppm	Assay (oxidimetric)	99.0 ÷ 100.5 % s.s.
Appearance of solution	Conform Ph.Eur.	Acid soluble matter	≤0.5 %	Sb	≤100 ppm		
Acidity or alkalinity	Conform Ph.Eur.	Loss on drying	≤0.5 %	As	≤1 ppm		

Code	Size	Packaging	Notes
385751	1 kg	Plastic bottle	
385752	5 kg	Plastic tank	
385753	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Titanium dioxide > RE - Pure

RE

Description	Greyish powder	Loss on drying	≤1 %	Assay (oxidimetric)	≥98 %
Identification	Positive	Solubility in dil. HCl	≤1 %		

Code	Size	Packaging	Notes
385707	1 kg	Plastic bottle	
385709	5 kg	Plastic tank	
385702	25 kg	Plastic bucket	



Titanium isopropylate

• Titano isopropilato • Titane isopropylate • Titanio tetrapropilato • Titanisopropylat

Synonym:

- Titanium(IV) isopropoxide
- Tetraisopropyl orthotitanate

Ti[OCH(CH₃)₂]₄
Molecular Weight: 284,26
CAS: 546-68-9
EEC-N: 208-909-6

Classification transport

ONU: 2413
Transport Hazard class: 3
Packing group III



Danger

H226-H331-H319-H336
P210-P280-P303+P361+P353-P304+P340-P311a-
P305+P351+P338-P403+P233

Titanium isopropylate > RE - Pure

RE

Description	Clear slightly yellow liq.	Density at 20° C	~ 0.965	Assay (gravimetric)	16.6 - 17.3 % Ti
Identification	Positive	Melting point	≥ 15 ° C		

Code	Size	Packaging	Notes
488421	100 ml	Glass bottle	

**Titanium trichloride-sulfuric acid reagent**

• Reattivo titanio tricloruro-acido solforico • Titane trichlorure-acide sulfurique • Titanio tricloruro-ácido sulfúrico • Titantrichlorid-Schwefelsäure

TiCl₃

Molecular Weight: 154,22

CAS: 7705-07-9

Titanium trichloride-sulfuric acid reagent > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611091202	100 ml	Glass bottle	Ref Ph.Eur 1091202

Titanium trichloride-sulfuric acid reagent > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000221	100 ml	Plastic bottle	Titanium Trichloride-Sulfuric Acid TS

**o-Tolidine solution 0.1%**

• o-Tolidina soluzione 0.1% • o-Tolidine en solution à 0,1% • o-Tolidina solución 0.1% • o-Tolidinlösung 0.1% 3,3'-Dimethylbenzidine

Synonym:

C₁₄H₁₆N₂

Molecular Weight: 212,28

CAS: 119-93-7

Classification transport

ONU: 1760

Transport Hazard class: 8

Packing group III

**Danger**

H290-H350-HA26

P234-P280-P308+P313-P390-P406-P501a

o-Tolidine solution 0.1% > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive

Code	Size	Packaging	Notes
488461	1 l	Glass bottle	

For the determination of Au, Ce, Cl, halogen free, Mn**o-Tolidine solution**

• o-Tolidina soluzione • o-Tolidine en solution • o-Tolidina solución • o-Tolidin in Lösung

C₁₄H₁₆N₂

Molecular Weight: 212,28

CAS: 119-93-7

o-Tolidine solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611123001	500 ml	Glass bottle	Ref Ph.Eur 1123001

**Toluene**

• Toluene • Toluène • Tolueno • Toluol

C₆H₅CH₃

Molecular Weight: 92,14

CAS: 108-88-3

EEC-N: 203-625-9

Classification transport

ONU: 1294

Transport Hazard class: 3

Packing group II

**Danger**

H225-H315-H361d-H336-H373-H304

P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Toluene > RS - For HPLC - Isocratic Grade

RS

Description	Clear colourless liquid	Acidity or alkalinity.....	≤0.0015 meq/g	At 285 nm	≥ 10 %	at 330 nm	≥96 %
Identification	Positive	Water (K.F)	≤100 ppm	at 290 nm	≥55 %	at 350 nm	≥99 %
Density at 20° C	0.865 ÷ 0.869	Residue on evaporation	≤2 ppm	at 300 nm	≥80 %		
Refractive index at 20° C	1.4931 ÷ 1.4991	Assay (GLC)	≥99.8 %	at 310 nm	≥90 %		
Boiling point.....	110.1 ÷ 111.1 ° C	U.V. Transmittance		at 320 nm	≥94 %		

Code	Size	Packaging	Notes
412641000	1 l	Glass bottle	
412642000	2.5 l	Glass bottle	

Toluene > RS - For preparative HPLC**RS**

Description	Clear colourless liquid	Refractive index at 20°C.....	1.4931 ÷ 1.4991	Residue on evaporation	≤5 ppm	U.V. Transmittance	
Identification	Positive	Boiling point.....	110.1 ÷ 111.1 °C	Alcalinity.....	≤0.0002 meq/g	at 300 nm	≥75 %
Density at 20° C	0.865 ÷ 0.869	Water (K.F).....	≤200 ppm	Assay (GLC)	≥99.8 %	at 350 nm	≥98 %

Code	Size	Packaging	Notes
488531	2.5 l	Glass bottle	

Toluene > RS - ATRASOL - For traces analysis**RS**

Appearance	Clear colourless liquid	Free acid (as HCl).....	≤ 10 mg/Kg	GC-ECD.Individual peak (Lindane) .	≤ 2 ng/L	µg/L	
Refractive index at 20°C.....	1.494 - 1.498	Non volatile residue.....	≤ 5 mg/Kg	Ret.range 1,2,4-trichlorobenzene		Ret.range n-dodecane to n-tetracontane	
Water content (K.F).....	≤ 50 mg/Kg	Assay (GC).....	≥ 99.9 %	to decachlorobiphenyle			
Colour	≤ 10 Hazen	GC (FID) - NC Atrasol	Conform	GC-FID.Individual peak (n-hexadecane) .	≤ 5		

Code	Size	Packaging	Notes
P0713216	1 l	Glass bottle	
P0713221	2.5 l	Glass bottle	
P0713282	4 l	Glass bottle	

Toluene > RS - PESTIPUR - For pesticide analysis**RS**

Description	Clear liquid	Assay (GC).....	≥ 99.8 %	Non volatile residue.....	≤ 5 mg/Kg
Colour	≤ 10 hazen	Acidity (HCl).....	≤ 10 ppm	GC-NPD (Ethylparation).....	≤ 3 ng/l
Identification	Positive	Not volatile residue.....	≤ 5 ppm	GC-ECD.Individual peak (Lindane) .	≤ 3 ng/L
Water	≤ 100 ppm	GC-ECD (Lindano)	≤ 3 ng/l	Assay (GLC)	≥ 99.8 %

Code	Size	Packaging	Notes
488591	1 l	Glass bottle	
488592	2.5 l	Glass bottle	
488594	4 l	Glass bottle	

Toluene > RS - SPECTROSOL - For optical spectroscopy**RS**

Description	Clear liquid	Acidity or alkalinity.....	≤0.0015 meq/g	U.V. Transmittance at 290 nm	≥55 %
Colour (APHA)	≤10	Water (K.F).....	≤100 ppm	U.V. Transmittance at 300 nm	≥80 %
Identification	Positive	Residue on evaporation	≤5 ppm	U.V. Transmittance at 310 nm	≥90 %
Density at 20° C	0.865 ÷ 0.869	Assay (GLC).....	≥99.8 %	U.V. Transmittance at 320 nm	≥93 %
Refractive index at 20°C.....	1.4931 ÷ 1.4991	Free acid (as HCl).....	≤ 10 mg/Kg	U.V. Transmittance at 350 nm	≥98 %
Boiling point.....	110.1 ÷ 111.1 ° C	U.V. Transmittance at 285 nm	≥10 %		

Code	Size	Packaging	Notes
488601	1 l	Glass bottle	
488602	2.5 l	Glass bottle	

Toluene > RS - Anhydrous - For analysis**RS**

Refractive index at 20°C.....	1.494 - 1.498	Colour	≤ 10 Hazen	Benzene	≤ 200 mg/Kg
Water content (K.F).....	≤ 50 mg/Kg	Assay (GC).....	≥ 99.8 %	Styrene.....	≤ 10 mg/Kg
Non volatile residue.....	≤ 10 mg/Kg	Free acid (as HCl).....	≤ 10 mg/Kg	Ethylbenzene + xylene.....	≤ 500 mg/Kg

Code	Size	Packaging	Notes
P0711010	200 ml	Bottle with septum	
P07110T10	200 ml	Bottle with septum	On molecular sieves 4A
P0711016	1 l	Glass bottle	
P0711021	2.5 l	Glass bottle	

Toluene > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP**RPE**

Description	Clear colourless liquid	Acidity (benzoic acid)	≤14 ppm	Al	≤0.5 ppm	Mg	≤0.1 ppm
Identification (I.R.)	Positive	Alcalinity (NH ₃)	≤2 ppm	B	≤0.01 ppm	Mn	≤0.01 ppm
Colour (APHA)	≤10	Water (K.F.)	≤150 ppm	Ba	≤0.1 ppm	Ni	≤0.01 ppm
Density at 20° C	0.865 ÷ 0.869	Residue on evaporation	≤10 ppm	Ca	≤0.5 ppm	Pb	≤0.01 ppm
Refractive index at 20°C. 1.4931 ÷ 1.4991		Ready carbonizable substances	Conform	Cd	≤0.01 ppm	Sn	≤0.1 ppm
Boiling point	110.1 ÷ 111.1 ° C	Benzene	≤ 0.02 %	Co	≤0.01 ppm	Zn	≤0.01 ppm
Alcohol miscibility	Complete	Tiophene	≤1 ppm	Cr	≤0.01 ppm	Styrene	≤ 10 ppm
Chloroform miscibility	Complete	Total sulphur	≤3 ppm	Cu	≤0.01 ppm	Ethyl benzene + xylene	≤ 500 ppm
Diethyl ether miscib.	Complete	Assay (GLC)	≥99.8 %	Fe	≤0.05 ppm		

Code	Size	Packaging	Notes
488551	1 l	Glass bottle	
488555	2.5 l	Glass bottle	
488552	5 l	Aluminium can	
488557	24 kg	Metal drum	
488556	170 kg	Metal drum	

Toluene > RE - Pure**RE**

Description	Clear colourless liquid	Refractive index at 20°C	1.491 ÷ 1.501	Water (K.F.)	≤300 ppm	Assay (GLC)	≥99.5 %
Identification	Positive	Boiling point	109.9 ÷ 111.4 °C	Benzene	≤ 0.02 %	Ethyl benzene + xylene	≤ 750 ppm
Density at 20° C	0.862 ÷ 0.872	Residue on evaporation	≤50 ppm	Total sulphur	≤100 ppm		

Code	Size	Packaging	Notes
386002	1 l	Glass bottle	
386001	2.5 l	Glass bottle	
386003	23 kg	Metal drum	
386009	170 kg	Metal drum	

Toluene > RE - Pure - Low content in benzene**RE**

Description	Clear colourless liquid	Refractive index at 20°C	1.491 ÷ 1.501	Water (K.F.)	≤300 ppm	Assay (GLC)	≥99.5 %
Identification	Positive	Boiling point	109.9 ÷ 111.4 °C	Benzene	≤ 0.02 %	Ethyl benzene + xylene	≤ 750 ppm
Density at 20° C	0.862 ÷ 0.872	Residue on evaporation	≤50 ppm	Total sulphur	≤100 ppm		

Code	Size	Packaging	Notes
528231	5 l	Plastic tank	
528233	25 l	Metal drum	
528232	200 l	Metal drum	

Toluene > RE - ASTM**RE**

Appearance	Clear liquid	Peroxide	≤ 5 ppm	Water (K.F.)	≤ 200 ppm	Antioxidant	1500 - 2500 mg/L
Colour	≤ 10 APHA	Density at 15°C		Toluene (ASTM)	≥ 99.5 % (V/V)		

Code	Size	Packaging	Notes
386102	5 l	Plastic tank	
386104	25 l	Metal drum	
386106	180 kg	Drum	

Suitable for ASTM methods D2700 and D2699



Toluene in solution in hexane

• Toluene soluzione in esano • Toluène en solution dans l'hexane • Tolueno en solución de hexano • Toluol in Lösung in Hexan



Molecular Weight: 92,14

CAS: 108-88-3

Classification transport

ONU: 1993

Transport Hazard class: 3

Packing group II



Danger

H225-H315-H361f-H336-H373-H411

P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Toluene in solution in hexane > RS - For analysis according to Ph. Eur.Chap. 2.2.25

RS

Code	Size	Packaging	Notes
506462	10 ml	Sealed cuvette	
506463	100 ml	Glass bottle	



Toluene-d8

• Toluene-d8 • Toluène-d8 • Tolueno-d8 • Toluol-d8



Molecular Weight: 100,19

CAS: 2037-26-5

EEC-N: 218-009-5

Classification transport

ONU: 1294

Transport Hazard class: 3

Packing group II



Danger

H225-H315-H361d-H336-H373-H304

P210-P241-P280-P303+P361+P353-P304+P340-P403+P233

Toluene-d8 > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5399A	2 x 0.75 ml	Glass ampoule	
P5393A	5 ml	Glass ampoule	
P5395	25 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



p-Toluene sulfonamide

• p-Toluenesulfonamide • p-Toluènesulfonamide • p-Toluenosulfonamida • p-Toluolsulfonamid



Molecular Weight: 171,22

CAS: 70-55-3

EEC-N: 200-741-1

p-Toluene sulfonamide > RPE - For analysis

RPE

Description White crystalline powder Identification Positive Melting point ~ 136 °C Assay (ex nitrogen) ≥98 %

Code	Size	Packaging	Notes
488661	100 g	Plastic bottle	



p-Toluenesulfonic acid

• Acido p-toluenesulfonico monoidrato • Acide p-toluenesulfonique monohydrate • Acido p-toluenosulfónico • Toluol-4-sulfonsäure



Molecular Weight: 190,22

CAS: 6192-52-5

EEC-N: 203-180-0

Classification transport

ONU: 2585

Transport Hazard class: 8

Packing group III



Danger

H314-H335

P280-P301+P330+P331-P303+P361+P353-

P304+P340-P310a-P305+P351+P338-P403+P233

p-Toluenesulfonic acid > RPE - For analysis

RPE

Description White crystals Melting point 99 ÷ 103 °C Acidity(Sulphuric acid) ≤ 1 % Assay (oxidimetric) ≥ 97 %
 Identification Positive Water (K.F) ≤13 % Fe ≤50 ppm

Code	Size	Packaging	Notes
411436	500 g	Plastic bottle	
411432	20 kg	Plastic bucket	

p-Toluenesulfonic acid > RE - Pure**RE**

Description White crystals Identification Positive Fe ≤100 ppm Assay (acidimetric) ≥97 %

Code	Size	Packaging	Notes
307508	10 kg	Carton box	

**p-Toluenesulfonic acid sodium salt**

- Acido p-toluenosulfonico sale sodico • Acide p-toluenesulfonique sel sodique
- Acido p-toluenosulfónico sal sódica • p-Toluolsulfonsäure-Natriumsalz

Synonym:
Sodium p-toluenesulfonate

$\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3\text{Na}$
Molecular Weight: 194,19
CAS: 657-84-1
EEC-N: 211-522-5

**Warning**

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

p-Toluenesulfonic acid sodium salt > RPE - For analysis**RPE**

Description White crystals Identification Positive Assay ≥ 97.5 %

Code	Size	Packaging	Notes
411504	100 g	Glass bottle	

**Toluidine blue**

- Blu toluidina • Bleu de toluidine • Azul de toluidina • Toluidinblau

Synonym:
Basic Blue 17

$\text{C}_{15}\text{H}_{16}\text{ClN}_3\text{S}$
Molecular Weight: 305,83
CAS: 92-31-9
EEC-N: 202-146-2

Toluidine blue > RS - For microscopy - C.I. 52040**RS**

Description Black powder Identification Positive Spettro (UV) Conform

Code	Size	Packaging	Notes
429282	25 g	Glass bottle	

Dye for cytology-histochemistry**Total-ionic-strength-adjustment buffer**

- Tampone forza ionica totale • Tampon pour ajustement de la force ionique totale • Tampón fuerza iónica total
- Puffer zur Einstellung der Gesamtionenstärke

Total-ionic-strength-adjustment buffer > RS - For analysis according to Ph. Eur. Chap. 4.1.3**RS**

Code	Size	Packaging	Notes
614007700	1 l	Plastic bottle	Ref Ph.Eur 4007700
614008800	1 l	Plastic bottle	Ref Ph.Eur 4008800

**Triacetin**

- Triacetina • Triacétine • Triacetina • Triacetin

Synonym:
Glyceryl triacetate

$\text{C}_9\text{H}_{14}\text{O}_6$
Molecular Weight: 218,21
CAS: 102-76-1
EEC-N: 203-051-9

Triacetin > RPE - For analysis**RPE**Description Clear colourless liquid Identification Positive Acidity (acetic acid) ≤100 ppm Assay (GLC) ≥99.0 %
Water ≤0.1 %

Code	Size	Packaging	Notes
489152	1 l	Glass bottle	



2,2,2 - Trichlorethanol

• 2,2,2 - Tricloroetanol • 2,2,2 - Trichloroéthanol • 2,2,2 - Tricloroetanol • 2,2,2 - Trichlorethanol

Cl₃CCH₂OH
Molecular Weight: 149,4
CAS: 115-20-8
EEC-N: 204-071-0



Danger

H302-H318-H336
P261-P271-P304+P340-P310a-P305+P351+P338-P403+P233

2,2,2 - Trichlorethanol > RPE - For analysis

RPE

Description Clear colourless liquid Identification Positive Refractive index at 20°C. 1.4880 ÷ 1.4910 Assay (GLC) ≥98.5 %

Code	Size	Packaging	Notes
415271	100 ml	Glass bottle	



Trichloroacetic acid

• Acido tricloroacetico • Acide trichloroacétique • Acido tricloroacetico • Trichloressigsäure

Synonym:
TCA

CCl₃COOH
Molecular Weight: 163,39
CAS: 76-03-9
EEC-N: 200-927-2

Classification transport

ONU: 1839
Transport Hazard class: 8
Packing group II



Danger

H314-H335-H410
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Trichloroacetic acid > RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

RPE

Description Colourless crystals Residue on ignition ≤ 0.03 % Nitrate ≤ 20 ppm Fe ≤ 10 ppm
Identification Positive Chloride ≤ 20 ppm Sulphate ≤ 0.02 % Assay (acidimetric) ≥ 99.0 %
Ready carbonizable substances Conform Phosphate ≤ 5 ppm Heavy metals (Pb) ≤ 20 ppm Water ≤ 0.5 %

Code	Size	Packaging	Notes
411524	100 g	Glass bottle	
411525	250 g	Plastic bottle	
411527	1 kg	Plastic bottle	

Trichloroacetic acid > RE - Pure

RE

Description Colourless crystals Water ≤ 0.5 % Assay (acidimetric) ≥ 98.5 %
Identification Positive Fe ≤ 10 ppm

Code	Size	Packaging	Notes
307557	1 kg	Plastic bottle	
307558	5 kg	Plastic tank	



Trichloroacetic acid solution 20%

• Acido tricloroacetico soluzione 20% • Acide trichloroacétique 20% • Acido tricloroacético solución 20%
• Trichloressigsäure 20%

Synonym:
TCA

CCl₃COOH
Molecular Weight: 163,39
CAS: 76-03-9

Classification transport

ONU: 2564
Transport Hazard class: 8
Packing group II



Danger

H314-H335-H400-H411
P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P403+P233

Trichloroacetic acid solution 20% > RPE - For analysis

RPE

Description Clear colourless liquid Assay (acidimetric) 19.5 - 20.5 %

Code	Size	Packaging	Notes
502073	100 ml	Bottle	
411554000	1 l	Glass bottle	

For the determination of iron in the blood according Heimayer. For protein precipitation. Content is guaranteed for standardized volumes at 20°C. Keep tightly closed

**1,2,4-Trichlorobenzene**

• 1,2,4-Triclorobenzene • 1,2,4-Trichlorobenzène • 1,2,4-Triclorobenceno • 1,2,4-Trichlorbenzol



Molecular Weight: 181,45

CAS: 120-82-1

EEC-N: 204-428-0

Classification transport

ONU: 2321

Transport Hazard class: 6.1

Packing group III

**Warning**

H302-H315-H410

P264-P280g-P301+P312a-P332+P313-P362+P364-P501a

1,2,4-Trichlorobenzene > RS - SPECTROSOL - For optical spectroscopy**RS**

Refractive index at 20°C.. 1.5697 - 1.5737

Water content (K.F.).....≤ 100 mg/Kg

Colour ≤ 10 Hazen

UV transmittance at 310 nm ≥ 40 %

UV transmittance at 315 nm ≥ 80 %

UV transmittance at 385 nm ≥ 98 %

Assay (GC)..... ≥ 99 %

Non volatile residue..... ≤ 10 mg/Kg

Code	Size	Packaging	Notes
P0722721	2.5 l	Glass bottle	

1,2,4-Trichlorobenzene > RPE - For analysis**RPE**

Description Clear colourless liquid

Identification Positive

Density at 20° C 1.451 ÷ 1.457

Refractive index at 20°C..... 1.5687 ÷ 1.5747

Boiling point..... 212.5 ÷ 213.5 ° C

Melting point..... 16.0 ÷ 18.0 ° C

Water (K.F.)..... ≤ 0.1 %

Residue on ignition..... ≤ 10 ppm

Assay (GLC)..... ≥ 98.5 %

Code	Size	Packaging	Notes
489382	1 l	Glass bottle	

Should be stored at not less than 20 °C**Trichloromethane ► Chloroform****Tricresol**

• Tricresolo • Tricrésol • Tricresol • Trikresol



Molecular Weight: 108,14

CAS: 1319-77-3

EEC-N: 215-293-2

Classification transport

ONU: 2022

Transport Hazard class: 6.1

Packing group II

**Danger**

H301-H311-H314

P280-P301+P310a-P301+P330+P331-

P303+P361+P353-P304+P340-P305+P351+P338

Tricresol > RE - Pure**RE**

Description Brown clear liquid

Identification Positive

Density at 25° C ≥ 1.035

Code	Size	Packaging	Notes
386202	1 l	Glass bottle	

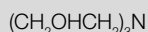
Mixture of isomers**Triethanolamine**

• Trietanolamina • Triéthanolamine • Trietanolamina • Triethanolamin

Synonym:

• 2,2',2''-Nitrilotriethanol

• Tris(2-hydroxyethyl)amine



Molecular Weight: 149,19

CAS: 102-71-6

EEC-N: 203-049-8

Triethanolamine > RPE - For analysis**RPE**

Description Yellowish liquid

Identification Positive

Water miscibility..... Conform

Alcohol miscibility..... Complete

Density at 20° C 1.120 ÷ 1.128

Refractive index at 20°C: 1.4797 ÷ 1.4907

Melting point..... 20.0 ÷ 22.0 ° C

Water (K.F.)..... ≤ 0.3 %

Chloride..... ≤ 10 ppm

Diethanolamine..... ≤ 1.5 %

Monoethanolamine..... ≤ 0.5 %

Heavy metals (Pb)..... ≤ 2 ppm

Residue on ignition..... ≤ 50 ppm

Sulphate..... ≤ 20 ppm

Fe..... ≤ 2 ppm

Assay (non-aqueous medium)..... ≥ 98 %

Code	Size	Packaging	Notes
489504	1 l	Glass bottle	
489501	30 kg	Metal drum	

Keep in a dark place

Triethanolamine > ERBApharm - According to pharmacopeia: FU-Ph.Eur.

ERBApharm

Description	Clear colourless liquid or yellowish	Identification C	Pass test	Sulphated ash	≤ 0.05 %	Appearance of solution	Conform Ph.Eur.
Density at 20° C	1.120 - 1.128	Density at 20° C	1.120 - 1.128	Diethanolamine	≤ 0.5 %	Total basis	99.0 - 103.0 % anidro
Identification	Positive	Refractive index at 20°C	1.482 ÷ 1.485	Monoethanolamine	≤ 0.1 %	Heavy metals (Pb)	≤ 10 ppm
Identification B	pass test	Water (K.F.)	≤ 0.5 %	Related substances	≤ 1.0 %	N-Nitrosodiethanolamine	≤ 24 ppb

Code	Size	Packaging	Notes
386301	1 l	Glass bottle	
386303	2.5 l	Glass bottle	
386304	30 kg	Metal drum	
386305	220 kg	Metal drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Triethylamine

• Trietilamina • Triéthylamine • Trietilamina • Triethylamin

Synonym:

N,N-Diethylethanamine

(C₂H₅)₃N

Molecular Weight: 101,19

CAS: 121-44-8

EEC-N: 204-469-4

Classification transport

ONU: 1296

Transport Hazard class: 3

Packing group II



Danger

H225-H302-H311-H331-H314-H335

P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338-P361+P364-P403+P233

Triethylamine > RS - For HPLC - Isocratic Grade

RS

Clear, colourless liquid	Conform	Residue on evaporation	≤ 0.001 % (m/m)	UV transmittance at 250nm (0.1M)	≥ 10 %
Water content (K.F.)	≤ 0.05 % (m/m)	Assay (GC)	≥ 99.7 %	UV transmittance at 254nm (0.1M)	≥ 75 %

Code	Size	Packaging	Notes
489631	1 l	Glass bottle	
489633	2.5 l	Glass bottle	

Triethylamine > RPE - For analysis

RPE

Description	Clear colourless liquid	Density at 20° C	0.725 ÷ 0.729	Boiling point	89.0 ÷ 90.0 °C	Assay (GLC)	≥ 99.5 %
Identification	Positive	Refractive index at 20°C	1.3983 ÷ 1.4023	Residue on evaporation	≤ 100 ppm		

Code	Size	Packaging	Notes
489556	1 l	Glass bottle	

Triethylamine > RE - Pure

RE

Description	Clear colourless liquid	Density at 20° C	0.724 ÷ 0.730	Residue on evaporation	≤ 0.02 %
Water content (K.F.)	≤ 1000 mg/Kg	Refractive index at 20°C	1.3953 ÷ 1.4053	Assay (GLC)	≥ 99.5 %
Identification	Positive	Boiling point	88.5 ÷ 90.5 °C	Diethylamine	≤ 0.1 %

Code	Size	Packaging	Notes
386601	1 l	Glass bottle	
386603	5 l	Plastic tank	
386602	20 kg	Plastic tank	
P0790266	200 l	Combined drum	



Triethylene glycol

• Glicol trietilenico • Glycol triéthylénique • Trietilenglicol • Triethylenglycol

Synonym:
Triglycol

(CH₂OHCH₂OCH₂)₂
Molecular Weight: 150,18
CAS: 112-27-6
EEC-N: 203-953-2

Triethylene glycol > RPE - For analysis

RPE

Description	Clear colourless liquid	Density at 20° C	1.123 ÷ 1.131	Chloride	≤ 2 ppm	Sulphate	≤ 20 ppm
Identification	Positive	Refractive index at 20°C	1.4553 ÷ 1.4603	Heavy metals (Pb)	≤ 2 ppm	Fe	≤ 2 ppm
Water miscibility	Conform	Water (K.F.)	≤ 0.2 %	Peroxides (H ₂ O ₂)	≤ 50 ppm	Assay (GLC)	≥ 98 %
Alcohol miscibility	Complete	Acidity (acetic acid)	≤ 150 ppm	Residue on ignition	≤ 30 ppm		

Code	Size	Packaging	Notes
454111	1 l	Glass bottle	
454112	30 kg	Plastic drum	



Trifluoroacetic acid

• Acido trifluoroacetico • Acide trifluoroacétique • Acido trifluoroacético • Trifluoressigsäure

Synonym:
TFA

CF₃COOH
Molecular Weight: 114,02
CAS: 76-05-1
EEC-N: 200-929-3

Classification transport

ONU: 2699
Transport Hazard class: 8
Packing group I



Danger

H332-H314-H412
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Trifluoroacetic acid > RS - For LC/MS

RS

Description	Clear colourless liquid	Water (K.F.)	≤ 0.05 %	Fluoride	≤ 50 ppm	Assay (acidimetric)	≥ 99.9 %
Identification	Positive	Chloride	≤ 10 ppm	Sulphate	≤ 10 ppm	Suitability	LC-MS Tested

Code	Size	Packaging	Notes
411541	10 x 1 ml	Glass ampoule	
411542	10 x 2.5 ml	Glass ampoule	
411543	50 ml	Plastic bottle	

Eluent phase additive

Trifluoroacetic acid > RS - SPECTROSOL - For optical spectroscopy

RS

Appearance	Clear colourless liquid	Water content (K.F.)	≤ 0.05 % m/m	UV Absorbance at 280 nm	≤ 0.10 AU	UV Absorbance at 320 nm	≤ 0.05 AU
Identification (IR)	Conform	UV Absorbance at 260 nm	≤ 1.2 AU	UV Absorbance at 290 nm	≤ 0.09 AU	Content (Acidimetry)	99.9 - 101.0 % m/m
Density d ₂₀ /4	1.480 - 1.500	UV Absorbance at 270 nm	≤ 0.15 AU	UV Absorbance at 300 nm	≤ 0.08 AU	Residue on evaporation	≤ 0.002 % m/m

Code	Size	Packaging	Notes
P0082746	1 l	Glass bottle PVC coated	
P0082747	2.5 l	Glass bottle PVC coated	

Trifluoroacetic acid > RS - For peptide synthesis

RS

Identification (IR)	Conform	Colour	≤ 10 Hazen	Content (Acidimetry)	≥ 99.9 % m/m	Sulphate (SO ₄ ⁻)	≤ 20 mg/Kg
Density d ₂₀ /4	1.480 - 1.500	Water content (K.F.)	≤ 500 mg/Kg	Chloride (Cl ⁻)	≤ 20 mg/Kg	Fluoride	≤ 50 mg/Kg

Code	Size	Packaging	Notes
P0082103	100 ml	Glass bottle	
P0082112	1 l	Glass bottle PVC coated	
P0082147	2.5 l	Glass bottle PVC coated	

Trifluoroacetic acid > RPE - For analysis

RPE

Description	Clear colourless liquid	Water (K.F.)	≤ 0.05 %	Sulphate	≤ 10 ppm
Identification	Positive	Assay (acidimetric)	≥ 99.9 %		

Code	Size	Packaging	Notes
411561	100 ml	Glass bottle	
411564	250 ml	Glass bottle	

Trifluoroacetic acid > RE - Pure

RE

Identification (IR).....Conform Colour ≤ 10 Hazen Content (Acidimetry) ≥ 99 % m/m Sulphate (SO4--) ≤ 20 mg/Kg
 Density d20/4 1.480 - 1.500 Water content (K.F.) ≤ 1000 mg/Kg Chloride (Cl-) ≤ 20 mg/Kg Fluoride ≤ 50 mg/Kg

Code	Size	Packaging	Notes
P0080247	2.5 l	Glass bottle PVC coated	
P0080212	1 kg	Glass bottle PVC coated	
P0080297	30 kg	Plastic bucket	



Trifluoroacetic acid-d

• Acido trifluoroacetico-d • Acide trifluoroacétique-d • Acido trifluoroacético-d • Trifluoressigsäure-d

CF₃COOD
 Molecular Weight: 115,03
 CAS: 599-00-8
 EEC-N: 209-961-2

Classification transport
 ONU: 2699
 Transport Hazard class: 8
 Packing group I



Danger
 H332-H314-H412
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Trifluoroacetic acid-d > RS - For NMR - min 99.5%

RS

Code	Size	Packaging	Notes
P5419A	2 x 0.75 ml	Glass ampoule	
P5413A	5 ml	Glass bottle	

For specifications, contact our customer service for a certificate of analysis



Trifluoroacetic anhydride

• Anidride trifluoroacetica • Anhydride trifluoroacétique • Anhídrido trifluoroacético
 • Trifluoressigsäureanhydrid

Synonym:
 TFAA

(CF₃CO)₂O
 Molecular Weight: 210,04
 CAS: 407-25-0
 EEC-N: 206-982-9

Classification transport
 ONU: 3265
 Transport Hazard class: 8
 Packing group I



Danger
 H301-H314
 P280-P301+P310a-P301+P330+P331-
 P303+P361+P353-P304+P340-P305+P351+P338

Trifluoroacetic anhydride > RPE - For analysis

RPE

Description Clear colourless liquid Density at 20° C 1.511 ± 1.515 Assay (as anhydride)..... ≥ 98 %
 Identification Positive Residue on evaporation ≤ 10 ppm

Code	Size	Packaging	Notes
422225	500 ml	Glass bottle	

For derivatization

1,2,3-Trihydroxybenzene ▶ Pyrogallol

1,3,5-Trihydroxybenzene ▶ Phloroglucinol

3,4,5-Trihydroxybenzoic acid monohydrate ▶ Gallic acid monohydrate

2,4,6-Trihydroxypyrimidine ▶ Barbituric acid

Triiodomethane ▶ Iodoform

**Trimethylcetylammonium bromide**

- Trimetilcetilammonio bromuro • Triméthylcétylammonium bromure • Trimetilcetilammonio bromuro
- Trimethylcetylammoniumbromid

Synonym:

- Hexadecyltrimethylammonium bromide
- CTAB

$\text{CH}_3(\text{CH}_2)_{15}\text{N}(\text{CH}_3)_3\text{Br}$
Molecular Weight: 364,46
CAS: 57-09-0
EEC-N: 200-311-3

Classification transport

ONU: 3077
Transport Hazard class: 9
Packing group III

**Danger**

H302-H315-H318-H335-H410
P304+P340-P310a-P305+P351+P338-P330-
P362+P364-P403+P233

Trimethylcetylammonium bromide > RPE - For analysis**RPE**

Description White crystalline powder Identification Positive Assay (non-aqueous medium) > 99.0 %

Code	Size	Packaging	Notes
489833	50 g	Plastic bottle	
489831	500 g	Plastic bottle	

**Trimethylcetylammonium p-toluenesulfonate**

- Trimetilcetilammonio p-toluensulfonato • Triméthylcétylammonium p-toluènesulfonate
- Trimetilcetilammonio p-toluensulfonato • Trimethylcethylammonium p-toluenesulphonate

Synonym:

- Hexadecyltrimethylammonium p-toluenesulfonate
- Cetyltrimethylammonium p-toluenesulfonate

$\text{CH}_3\text{C}_6\text{H}_4\text{SO}_3\text{N}(\text{CH}_3)_3(\text{CH}_2)_{15}\text{CH}_3$
Molecular Weight: 455,74
CAS: 138-32-9
EEC-N: 205-324-8

**Warning**

H302-H312-H332-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Trimethylcetylammonium p-toluenesulfonate > RE - Pure**RE**

Description White powder Solut. in acqua (1:200) Complete Assay > 99.0 %
Identification Positive pH sol. 1% 5.0 ÷ 8.0

Code	Size	Packaging	Notes
387203	25 kg	Fibre drum	

2,2,4-Trimethylpentane ▶ Isooctane

1,3,7-Trimethylxanthine ▶ Caffeine anhydrous

2,4,6-Trinitrophenol ▶ Picric acid solution

**Trioctylphosphine oxide**

- Triottilfosfina ossido • Trioctylphosphine oxyde • Triottilfosfina óxido • Trioctylphosphinoxid

Synonym:

TOPO

$(\text{C}_8\text{H}_{17})_3\text{PO}$
Molecular Weight: 386,65
CAS: 78-50-2
EEC-N: 201-121-3

**Warning**

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Trioctylphosphine oxide > RPE - For analysis**RPE**

Description White crystals Identification Positive Melting point 52 ÷ 57 °C Assay (GLC) > 98.5 %

Code	Size	Packaging	Notes
489581	50 g	Glass bottle	



Triphenylphosphine

• Trifenilfosfina • Triphénylphosphine • Trifenilfosfina • Triphenylphosphin

Synonym:
Phosphorstriphenyl

(C₆H₅)₃P
Molecular Weight: 262,29
CAS: 603-35-0
EEC-N: 210-036-0



Warning

H302-H317-H410
P261-P264-P280g-P301+P312a-P333+P313-P501a

Triphenylphosphine > RPE - For analysis

RPE

Description White powder Identification Positive Melting point 80.0 ÷ 82.0 ° C Assay (GLC) ≥98 %

Code	Size	Packaging	Notes
489591	100 g	Glass bottle	



2,3,5-Triphenyltetrazolium chloride

• 2,3,5-Trifeniltetrazolo cloruro • 2,3,5-Triphényltétrazolium chlorure • 2,3,5-Trifeniltetrazolio cloruro
• 2,3,5-Triphenyltetrazolium-chlorid

Synonym:
• TPTZ
• Tetrazolium Red

(C₆H₅)₃CN₄Cl
Molecular Weight: 334,81
CAS: 298-96-4
EEC-N: 206-071-6



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

2,3,5-Triphenyltetrazolium chloride > RPE - For analysis

RPE

Description White yellowish powder Water (K.F.) ≤ 1.0 % s
Identification Positive Assay (non-aqueous medium) 99 ÷ 100 % s

Code	Size	Packaging	Notes
489651	10 g	Glass bottle	



Tris (hydroxymethyl)-aminomethane

• Tris idrossimetilaminometano • Tris(hydroxyméthyl)aminométhane • Tris (hidroximetil)aminometano
• Tris(hydroxymethyl)-aminomethan

Synonym:
Tris base

NH₂C(CH₂OH)₃
Molecular Weight: 121,14
CAS: 77-86-1
EEC-N: 201-064-4



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-
P362+P364-P337+P313

Tris (hydroxymethyl)-aminomethane > RS - For pHmetry

RS

Description White crystalline powder Solution colour ≤25 APHA Residue on ignition ≤0.1 % Assay (alkalimetric) ≥99.3 % s.s.
Identification Positive Melting point ≥168.5 °C Heavy metals (Pb) ≤5 ppm
pH solution 5% 10.5 ÷ 11.5 Water (K.F.) ≤0.5 % Absorbance (1M aq, 290 nm) ≤ 0.050

Code	Size	Packaging	Notes
489973	1 kg	Plastic bottle	
489971	25 kg	Plastic bucket	

Tris (hydroxymethyl)-aminomethane > RPE - For analysis

RPE

Description White crystalline powder pH (1M a 25 °C) 10.5 ÷ 11.5 Heavy metals (Pb) ≤2 ppm Assay (alkalimetric) ≥99.5 %
Identification Positive Loss on drying ≤0.5 % Residue on ignition ≤ 0.1 %
Melting point 168 ÷ 172 ° C Water-insoluble matter ≤100 ppm Fe ≤1 ppm

Code	Size	Packaging	Notes
489981	100 g	Plastic bottle	
489984	500 g	Plastic bottle	
489983	1 kg	Plastic bottle	
489985	25 kg	Plastic bucket	

Tris (hydroxymethyl)-aminomethane > ERBAPharm - According to pharmacopoeia: USP

ERBAPharm

Description White crystalline powder pH solution 5% 10.0 ÷ 11.5 Loss on drying ≤ 1.0 % Heavy metals (Pb)..... ≤ 10 ppm
 Identification Positive Melting point..... 168 ÷ 172 °C Residue on ignition ≤ 0.1 % Titolo (alcalimetrico)99.0 ÷ 101.0 % (s.s.)

Code	Size	Packaging	Notes
313441	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

Tris (hydroxymethyl)-aminomethane > RE - Pure

RE

Description White crystalline powder pH (1M a 25 °C)..... 10.5 ÷ 11.5 Heavy metals (Pb)..... ≤ 2 ppm Assay (alkalimetric)..... ≥ 99 %
 Identification Positive Loss on drying ≤ 1 % Residue on ignition ≤ 0.1 %
 Melting point..... 168 ÷ 172 °C Water-insoluble matter ≤ 100 ppm Fe ≤ 2 ppm

Code	Size	Packaging	Notes
313432	1 kg	Plastic bottle	
313431	25 kg	Plastic bucket	



Tris(hydroxymethyl)aminomethane solution

- Tris (idrossimetil)aminometano soluzione • Tris(hydroxyméthyl)aminométhane solution • Tris (hidroximetil)aminometano solución
- Tris (hydroxymethyl) aminomethanolösung

Tris(hydroxymethyl)aminomethane solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611094201	100 ml	Plastic bottle	Ref Ph.Eur 1094201



Tris(hydroxymethyl)aminomethane buffer solution pH 8.1

- Tampone tris(idrossimetil)aminometano tampn soluzione pH 8.1 • Tampon tris(hydroxyméthyl)aminométhane pH 8.1
- Tris (hidroximetil)aminometano solución tampón pH 8.1 • Tris (hydroxymethyl) aminomethan-Pufferlösung pH 8.1

Tris(hydroxymethyl)aminomethane buffer solution pH 8.1 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614006200	1 l	Plastic bottle	Ref Ph.Eur 4006200



Tris(hydroxymethyl)aminomethane-EDTA buffer solution pH 8.4

- Tampone tris(idrossimetil)aminometano - EDTA pH 7.4 • Tampon tris(hydroxyméthyl)aminométhane-EDTA pH 8.4
- Tampón tris(hidroximetil)aminometano - EDTA pH 7.4 • Tris (hydroxymethyl) aminomethan-EDTA-Pufferlösung pH 8.4

Tris(hydroxymethyl)aminomethane-EDTA buffer solution pH 8.4 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614006600	1 l	Plastic bottle	Ref Ph.Eur 4006600



Tris (hydroxymethyl)-aminomethane hydrochloride

- Tris idrossimetilaminometano cloridrato • Tris(hydroxyméthyl)aminométhane chlorhydraté
- Tris (hidroximetil)aminometano hidrocloruro • Tris(hydroxymethyl)-aminomethan HCl

Synonym:
2-Amino-2(hydroxymethyl)1,3-propanediol hydrochloride

$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3 \cdot \text{HCl}$
Molecular Weight: 157,6
CAS: 1185-53-1
EEC-N: 214-684-5



Warning

H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-P332+P313-P403+P233

Tris (hydroxymethyl)-aminomethane hydrochloride > RPE - For analysis

RPE

Description	White crystals	Ba	≤ 1 ppm	Mg	≤ 10 ppm	Melting point	150 ÷ 154 °C
Identification	Positive	Ca	≤ 10 ppm	Mn	≤ 1 ppm		
Pb	≤ 5 ppm	Cu	≤ 1 ppm	Assay	≥ 99 %		
As	≤ 10 ppm	Fe	≤ 2 ppm	Absorbance (1M acq. 280 nm)	≤ 0.05		

Code	Size	Packaging	Notes
479911	100 g	Plastic bottle	
479912	500 g	Plastic bottle	
479913	1 kg	Plastic bottle	



Tris(hydroxymethyl)aminomethane sodium chloride buffer solution pH 7.4

- Tampone tris(idrossimetil)aminometano sodio cloruro pH 7.4 • Tampon tris(hydroxyméthyl)aminométhane-chlorure de sodium pH 7.4
- Tampón tris(hidroximetil)aminometano sodio cloruro pH 7.4 • Tris (hydroxymethyl) aminomethan-Natriumchlorid-Pufferlösung pH 7.4

Tris(hydroxymethyl)aminomethane sodium chloride buffer solution pH 7.4 > RS - For analysis according to Ph. Eur. Chap. 4.1.3

RS

Code	Size	Packaging	Notes
614004900	1 l	Plastic bottle	Ref Ph.Eur 4004900



Triton® X100 solution

- Triton® X100 soluzione • Triton® X100 solution • Triton® X100 solución • Triton® X100-Lösung

Synonym:
4-(1,1,3,3-Tetramethylbutyl)phenyl-polyethylene glycol

$4-(\text{C}_6\text{H}_{17})\text{C}_6\text{H}_4(\text{OCH}_2\text{CH}_2)_n\text{OH}$
CAS: 9002-93-1



Danger

H302-H318-H412
P264-P280i-P301+P312a-P305+P351+P338-P310a-P501a

Triton® X100 solution > RE - Pure

RE

Clear to light unclear liquid	Conform	Density d20/4	1.055 - 1.075	Colour	≤ 60 Hazen
Appearance	Without particles in suspension	Water content (K.F.)	≤ 2000 mg/Kg	Cloud point (1% in water)	63 - 69 °C

Code	Size	Packaging	Notes
P0120041	10 l	Plastic tank	



Tropaeolin O

- Tropeolina O • Tropeoline O • Tropeolina O • Tropaeolin O

Synonym:
• Tropaeolin O sodium salt
• Acid Orange 6

$\text{C}_{12}\text{H}_9\text{N}_2\text{NaO}_5\text{S}$
Molecular Weight: 316,27
CAS: 547-57-9
EEC-N: 208-924-8



Warning

H315-H319
P264-P280a-P305+P351+P338-P332+P313-P362+P364-P337+P313

Tropaeolin O > RPE - For analysis - C.I. 14270

RPE

Description	Polvere marrone arancio	Loss on drying	≤ 15 %	pH range	11.1 - 12.7
Identification	Positive	Colour change	giallo arancio		

Code	Size	Packaging	Notes
490001	10 g	Glass bottle	
490002	25 g	Glass bottle	

**Tropaeolin O solution 0.1%**

- Tropeolina O soluzione 0,1% • Tropéoline O solution 0.1% • Tropeolina O solución 0.1%
- Tropaeolin O 0.1 %

Synonym:

- Tropaeolin O sodium salt
- Acid Orange 6

$C_{12}H_9N_2NaO_5S$
Molecular Weight: 316,27
CAS: 547-57-9

Tropaeolin O solution 0.1% > RPE - For analysis**RPE**

Description Orange clear liquid Sensitivity (pH 11-13) Conform pH range 11.1 - 12.7
Identification Positive Colour change giallo arancio

Code	Size	Packaging	Notes
E490056	500 ml	Bottle	

**Tungsten standard solution**

- Tungsteno standard soluzione • Tungstène solution standard • Tungsteno, solución patrón • Wolfram-Standardlösung

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group III

**Tungsten standard solution > RS - Standard solution for ICP-MS****RS**

Code	Size	Packaging	Notes
505932	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Ammonium hydroxyde
505935	100 ml	Plastic bottle	conc. 100 ppm. Matrix: Ammonium hydroxyde

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tungsten standard solution > RS - Standard solution for ICP**RS**

Code	Size	Packaging	Notes
504058	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Water
504051	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: 4% ammonia
504053	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: 4% ammonia
504055	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: 10% ammonia
504057	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: 10% ammonia

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Tungsten standard solution > RS - Standard solution for AAS**RS**

Code	Size	Packaging	Notes
507765	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
507521	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Tungstic acid

• Acido tungstico • Acide tungstique • Acido túngstico • Wolframsäure

H₂WO₄
Molecular Weight: 249,86
CAS: 7783-03-1
EEC-N: 231-975-2

Tungstic acid > RPE - For analysis

RPE

Description Yellow-greenish powder Fe ≤ 20 ppm As ≤ 10 ppm Na ≤ 30 ppm
Identification Positive Assay (W03) ≥ 92.0 % t.q. Cu ≤ 5 ppm Si ≤ 30 ppm
Loss on ignition 6 ÷ 8 % Al ≤ 10 ppm Mo ≤ 50 ppm Ti ≤ 10 ppm

Code	Size	Packaging	Notes
411628	250 g	Plastic bottle	



Tungsten (VI) oxide

• Anidride tungstica • Anhydride tungstique • Anhidrido túngstico • Wolfram (VI) oxid

WO₃
Molecular Weight: 231,85
CAS: 1314-35-8
EEC-N: 215-231-4



Warning

H302
P264-P270-P301+P312a-P330-P501a

Tungsten (VI) oxide > RS - For microanalysis

RS

Description Yellow powder Identification Positive Assay (gravimetric) ≥99 %

Code	Size	Packaging	Notes
422241	100 g	Glass bottle	



Turbidity std 4000NTU formazine

• Torbidità std 4000NTU formazina • Standard turbidité 4000NTU Formazine • Turbiedad std 4000NTU formazina • Standardtrübung 4000NTU Formazin



Danger

H332-H317-H350-HA26
P261-P271-P280-P304+P340-P308+P313-
P362+P364

Turbidity std 4000NTU formazine > RS - For turbidimetry

RS

Description Liquido opalescente Identification Positive

Code	Size	Packaging	Notes
489162	500 ml	Glass bottle	



Turk's reagent

• Turk reattivo • Réactif de Turk • Türk reactivo • Türkisches Reagenz

HEU210

Turk's reagent > RS - For microscopy

RS

Description Purple liquid Identification Positive

Code	Size	Packaging	Notes
E490451	500 ml	Plastic bottle	In Vitro Diagnostic Medical Device

Dye for hematology



L(-)Tyrosine

• L(-)Tirosina • L(-)Tyrosine • L(-)Tirosina • L-Tyrosin

Synonym:

(S)-2-Amino-3-(4-hydroxyphenyl)propionic acid

4-HOC₆H₄CH₂CHNH₂COOH

Molecular Weight: 181,19

CAS: 60-18-4

EEC-N: 200-460-4

L(-)Tyrosine > RPE - For analysis

RPE

Description	White crystalline powder	Loss on drying	≤ 0.5 %	Chloride.....	≤ 400 ppm	Assay (HClO ₄)	≥ 99.0 % (d.s.)
Identification	Positive	Residue on ignition	≤ 0.1 %	Heavy metals (Pb).....	≤ 10 ppm		
Spec. opt. rot. (C=5 in HCl 1N)-12.3°	-9.8°C	Ammonium	≤ 200 ppm	Fe	≤ 10 ppm		

Code	Size	Packaging	Notes
488152	25 g	Glass bottle	

a
b
c
d
e
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h
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o
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q
r
s
t
u
v
w
x
y
z

Uranine ▶ Fluorescein sodium salt



Uranium standard solution

• Uranio standard soluzione • Uranium solution standard • Uranio, solución patrón • Uran-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Danger

H314
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Uranium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505922	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505923	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Uranium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504031	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504033	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504035	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504037	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Urea

• Urea • Urée • Urea • Urea

Synonym:

• Carbamide
• Carbonyldiamide

(NH₂)₂CO
Molecular Weight: 60,06
CAS: 57-13-6
EEC-N: 200-315-5

Urea > RPE - For analysis - ACS

RPE

Description White crystalline powder
Identification Positive
Melting point 132 ÷ 135 °C
Chloride ≤ 5 ppm
Sulphate ≤ 10 ppm
Water-insoluble matter ≤ 100 ppm
Heavy metals (Pb) ≤ 10 ppm
Residue on ignition ≤ 100 ppm
Fe ≤ 10 ppm
Assay (non-aqueous medium) .99.0 ÷ 100.5 %

Code	Size	Packaging	Notes
490757	100 g	Plastic bottle	
490758	500 g	Plastic bottle	
490759	1 kg	Plastic bottle	
490751	25 kg	Sack	

Urea > RE - Pure

RE

Description White granules
Identification Positive
Melting point 130 ÷ 135 °C
Ammoniacal salts ≤ 0.2 %
Water-insoluble matter ≤ 200 ppm
Fe ≤ 20 ppm

Code	Size	Packaging	Notes
387807	1 kg	Plastic bottle	
387809	5 kg	Plastic tank	
387805	25 kg	Plastic bucket	
387801	50 kg	Sack	

**Vanadium standard solution**

• Vanadio standard soluzione • Vanadium solution standard • Vanadio, solución patrón • Vanadium-Standardlösung

Classification transportONU: 3264
Transport Hazard class: LQ

H314

P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338**Vanadium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**

RS

Code	Size	Packaging	Notes
615003300	100 ml	Plastic bottle	A 1 g/l solution Ref Ph.Eur 5003300

Vanadium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505927	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505928	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505929	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Vanadium standard solution > RS - Standard solution for ICP**

RS

Code	Size	Packaging	Notes
504041	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504043	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504045	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504047	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Vanadium standard solution > RS - Standard solution for AAS**

RS

Description Yellow clear liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507766	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504187	500 ml	Plastic bottle	conc. 1000 ppm Matrix: Nitric acid
E497675	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Sulfuric acid
E497671	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Sulfuric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval**Vanadium standard solution > RS - NORMEX - Concentrated solution for AAS**


RS

Description Blue clear liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
491091		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

 **Vanadium (V) oxide**
 • Vanadio pentossido • Vanadium (V) pentaoxyde • Vanadio (V) pentóxido • Vanadium (V) oxid

Synonym:
Vandia

V_2O_5 Molecular Weight: 181,88 CAS: 1314-62-1 EEC-N: 215-239-8	Classification transport ONU: 2862 Transport Hazard class: 6.1 Packing group III		Danger H302-H332-H341-H361d-H335-H372-H411 P260-P271-P280-P304+P340-P308+P313-P403+P233
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Vanadium (V) oxide > RPE - For analysis

RPE

Description	Ochre powder	Cr.....	≤ 100 ppm	Si	≤ 200 ppm
Identification	Positive	Fe	≤ 300 ppm	Assay (oxidimetric)	≥ 99.60 %

Code	Size	Packaging	Notes
491103	50 g	Glass bottle	

 **Vanillin**
 • Vanillina • Vanilline • Vanillina • Vanillin

Synonym:
4-Hydroxy-3-methoxybenzaldehyde

$C_8H_8O_3$ Molecular Weight: 152,15 CAS: 121-33-5 EEC-N: 204-465-2	Warning H302 P264-P270-P301+P312a-P330-P501a	
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Vanillin > ERBApharm - According to pharmacopoeia: BP-DAB-NF-Ph.Eur.-FU


ERBApharm

Description	Yellowish crystals	Related compounds.....	Conform Ph.Eur.	Loss (silica gel)	≤1.0 % (4h)
Identification	Positive	React. w. sulphuric ac.....	Conform Ph.Eur.	Sulphated ash.....	≤500 ppm
Appearance of solution.....	Conform Ph.Eur.	Melting point.....	81 ÷ 83 ° C	Assay (alkalimetric).....	99.0 ÷ 101.0 % s.s.

Code	Size	Packaging	Notes
388104	100 g	Plastic bottle	
388107	1 kg	Plastic bottle	
388108	5 kg	Plastic tank	
388102	10 kg	Carton box	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

 **Vanillin solution, phosphoric**
 • Vanillina soluzione, fosforico • Vaniline phosphorique solution • Vanillina solución fosfórica • Vanillinlösung, Phosphorsäure

Classification transport ONU: 2733 Transport Hazard class: 3 Packing group II		Danger H225-H314 P210-P280-P301+P330+P331-P303+P361+P353-P304+P340-P310a-P305+P351+P338
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Vanillin solution, phosphoric > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611095302	100 ml	Plastic bottle	Ref Ph.Eur 1095302

Vaseline ▶ Paraffin white soft

**Victoria blue**

• Blu vittoria • Bleu Victoria • Azul Victoria • Viktoriablau

$C_{34}H_{34}N_3Cl$
 Molecular Weight: 506,08
 CAS: 1325-85-5
 EEC-N: 215-408-6

Classification transport
 ONU: 3143
 Transport Hazard class: 6.1
 Packing group III



Warning
 H302
 P264-P270-P301+P312a-P330-P501a

Victoria blue > RS - For microscopy - C.I. 42595**RS**

Description Green granules Identification Positive

Code	Size	Packaging	Notes
429381	10 g	Glass bottle	
429382	25 g	Glass bottle	

Dye for microscopy (Anderson Method)**Viscosity standards**

• Standard di viscosità • Standards de viscosité • Patrones de viscosidad • Viskositätsstandards

Viscosity standards > RS - For calibration**RS**

Code	Size	Packaging	Notes
540801	500 ml	Glass bottle	6.7cSt@20°C, 5.8cSt@25°C, 4.2cSt@37.78°C, 4cSt@40°C, 3.2cSt@50°C
540802	500 ml	Glass bottle	14cSt@20°C, 12cSt@25°C, 8cSt@37.78°C, 7.5cSt@40°C, 5.8cSt@50°C
540803	500 ml	Glass bottle	20cSt@20°C, 16cSt@25°C, 11cSt@37.78°C, 10cSt@40°C, 7.5cSt@50°C
540804	500 ml	Glass bottle	30cSt@20°C, 24cSt@25°C, 15cSt@37.78°C, 14cSt@40°C, 10cSt@50°C
540805	500 ml	Glass bottle	88cSt@20°C, 66cSt@25°C, 35cSt@37.78°C, 32cSt@40°C, 21cSt@50°C
540806	500 ml	Glass bottle	160cSt@20°C, 120cSt@25°C, 60cSt@37.78°C, 54cSt@40°C, 35cSt@50°C
540807	500 ml	Glass bottle	790cSt@20°C, 580cSt@25°C, 280cSt@37.78°C, 250cSt@40°C, 160cSt@50°C
540808	500 ml	Glass bottle	3300cSt@20°C, 2300cSt@25°C, 1100cSt@37.78°C, 940cSt@40°C, 560cSt@50°C
540809	500 ml	Glass bottle	19000cSt@20°C, 12000cSt@25°C, 4000cSt@37.78°C, 3400cSt@40°C, 1700cSt@50°C
540810	500 ml	Glass bottle	28000cSt@20°C, 17000cSt@25°C, 6000cSt@37.78°C, 5100cSt@40°C, 2500cSt@50°C
540811	500 ml	Glass bottle	41000cSt@20°C, 25000cSt@25°C, 8000cSt@37.78°C, 6700cSt@40°C, 3200cSt@50°C



Water

• Acqua • Eau • Agua • Wasser

H₂O
Molecular Weight: 18,02
CAS: 7732-18-5
EEC-N: 231-791-2

Water > RS - For UHPLC-MS

RS

Description	Clear colourless liquid	Alkalinity	≤ 0.00005 %	UHPLC gradient peak	Ca	≤ 50 ppb
Colour	≤ 5 APHA	Transmittance		At 210 nm	Mg	≤ 20 ppb
Identification (I.R.)	Positive	At 200 nm	≥ 95 %	Drift at 210 nm	Na	≤ 50 ppb
Conductivity	≤ 0.09 µS/cm	At 230 nm	≥ 99 %	Drift at 254 nm	K	≤ 50 ppb
Residue on evaporation	≤ 0.4 ppm	Fluorescence (quinine)		Sensitive Impurities (reserpine)		
Total organic carbon	≤ 10 ppb	At 254 nm	≤ 0.3 ppb	Al		
Acidity	≤ 0.0002 %	At 365 nm	≤ 0.3 ppb	Fe		

Code	Size	Packaging	Notes
412091	1 l	Glass bottle	
412092	2.5 l	Glass bottle	

Water > RS - For LC/MS

RS

Description	Clear colourless liquid	Gradiente HPLC (Test)	Conform	Drift HPLC	Ca	≤ 50 ppb
Colour	≤ 5 APHA	Acidity	≤ 0.0002 %	Idon. test grad. LC-MS (TIC,100-2000m/z)	Mg	≤ 20 ppb
Identification (I.R.)	Positive	Alkalinity	≤ 0.00005 %	Impurezze sensibili (reserpina)	Na	≤ 100 ppb
Conductivity	≤ 0.09 µS/cm	HPLC Gradient		Contenuto metalli	K	≤ 50 ppb
Residue on evaporation	≤ 0.5 ppm	at 210 nm	≤ 2 mAU	Al		
Total organic carbon	≤ 10 ppb	at 254 nm	≤ 0.5 mAU	Fe		

Code	Size	Packaging	Notes
412111	1 l	Glass bottle	
412112	2.5 l	Glass bottle	

Water > RS - For HPLC PLUS

RS

Description	Clear colourless liquid	Fluorescence		at 210 nm	≤ 5 mAU	Nitrate	≤ 0.1 ppm
Identification	Positive	at 254 nm	≤ 1 ppb	at 220 nm	≤ 3 mAU	CO ₂	Not detectable
Residue on evaporation	≤ 0.5 ppm	at 365 nm	≤ 0.5 ppb	Conductivity during production	≤ 0.1 µS/cm		
Total organic carbon	≤ 0.1 ppm	UV Abs.max elut.peak		Heavy metals (Pb)	≤ 0.1 ppm		

Code	Size	Packaging	Notes
412141	1 l	Glass bottle	
412142	2.5 l	Glass bottle	

Water > RS - For Headspace chromatography

RS

Description	Clear colourless liquid	Residue on evaporation	≤ 2 ppm	Residual solvent of class 1(acc. to ICH) ≤ 1 µg/g	Residual solvent of class 3(acc. to ICH) ≤ 50 µg/g
Colour	≤ 10 APHA	GC/HS		Residual solvent of class 2(acc. to ICH) ≤ 10 µg/g	

Code	Size	Packaging	Notes
412011	1 l	Glass bottle	

Water > RS - Ultrapure - For trace analysis at ppt level

RS

Description	Clear liquid	Co.....	≤ 10 ppt	Mn.....	≤ 10 ppt	Na.....	≤ 10 ppt
Colour (APHA)	≤ 10	Cu.....	≤ 10 ppt	Hg.....	≤ 20 ppt	Sr.....	≤ 10 ppt
Identification	Positive	Dy.....	≤ 1 ppt	Mo.....	≤ 10 ppt	Ta.....	≤ 10 ppt
Chloride.....	≤ 1 ppb	Er.....	≤ 1 ppt	Nd.....	≤ 1 ppt	Te.....	≤ 1 ppt
Phosphate.....	≤ 1 ppb	Eu.....	≤ 1 ppt	Ni.....	≤ 10 ppt	Tb.....	≤ 10 ppt
Sulphate.....	≤ 1 ppb	Gd.....	≤ 1 ppt	Nb.....	≤ 10 ppt	Ti.....	≤ 10 ppt
Al.....	≤ 20 ppt	Ga.....	≤ 10 ppt	Pd.....	≤ 10 ppt	Th.....	≤ 1 ppt
Sb.....	≤ 10 ppt	Ge.....	≤ 10 ppt	Pt.....	≤ 10 ppt	Tm.....	≤ 10 ppt
As.....	≤ 10 ppt	Au.....	≤ 10 ppt	K.....	≤ 10 ppt	Sn.....	≤ 10 ppt
Ba.....	≤ 10 ppt	Hf.....	≤ 1 ppt	Pr.....	≤ 10 ppt	Tl.....	≤ 10 ppt
Be.....	≤ 10 ppt	Ho.....	≤ 1 ppt	Re.....	≤ 10 ppt	W.....	≤ 10 ppt
Bi.....	≤ 10 ppt	In.....	≤ 1 ppt	Rh.....	≤ 10 ppt	U.....	≤ 1 ppt
B.....	≤ 20 ppt	Fe.....	≤ 10 ppt	Rb.....	≤ 10 ppt	V.....	≤ 10 ppt
Cd.....	≤ 10 ppt	La.....	≤ 1 ppt	Ru.....	≤ 10 ppt	Yb.....	≤ 10 ppt
Ca.....	≤ 10 ppt	Pb.....	≤ 10 ppt	Sm.....	≤ 10 ppt	Y.....	≤ 1 ppt
Ce.....	≤ 10 ppt	Li.....	≤ 10 ppt	Sc.....	≤ 10 ppt	Zn.....	≤ 10 ppt
Cs.....	≤ 10 ppt	Lu.....	≤ 1 ppt	Se.....	≤ 50 ppt	Zr.....	≤ 10 ppt
Cr.....	≤ 10 ppt	Mg.....	≤ 10 ppt	Ag.....	≤ 10 ppt		

Code	Size	Packaging	Notes
412185	500 ml	Plastic bottle	

Water > RS - Superpure - For trace analysis at ppb level

RS

Description	Clear liquid	Resistivity	≥ 18 Mohm	Mg.....	≤ 50 ppb	at 254 nm	≤ 0.005
Identification	Positive	Total organic carbon	≤ 20 ppb	K.....	≤ 50 ppb	at 300 nm	≤ 0.005
Colour	≤ 5 APHA	Al.....	≤ 50 ppb	Assorbimento massimo (a 254 nm) ..	0.002	at 400 nm	≤ 0.005
Residue on evaporation	≤ 1 ppm	Ca.....	≤ 50 ppb	Absorbance		LC Gradiente (Suitability Test)	Conform
Fluorescenza (Chinina).....	≤ 100 ppt	Fe.....	≤ 50 ppb	at 200 nm	≤ 0.01		

Code	Size	Packaging	Notes
412151	1 l	Glass bottle	

Water > RS - For analysis according to Ph. Eur.Chapter 2.2.25

RS

Code	Size	Packaging	Notes
506411	100 ml	Glass bottle	Spectrophotometry Stray Light Blank

Water > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611095501	1 l	Plastic bottle	Water ammonium-free Ref Ph.Eur 1095501
611095506	1 l	Plastic bottle	Water nitrate-free Ref Ph.Eur 1095506

a
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c
d
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h
i
j
k
l
m
n
o
p
q
r
s
t
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v
w
x
y
z

Water > RPE - For analysis

RPE

Description	Clear colourless liquid	As	≤ 0.01 ppm	Cu	≤ 0.01 ppm	Pb	≤ 0.01 ppm
pH at 25°C	5 ÷ 7	Au	≤ 0.01 ppm	Fe	≤ 0.01 ppm	Si	≤ 0.01 ppm
Conductivity	≤ 0.1 µS/cm	B	≤ 0.01 ppm	In	≤ 0.01 ppm	Sn	≤ 0.01 ppm
Residue on evaporation	≤ 1 ppm	Ba	≤ 0.01 ppm	K	≤ 0.01 ppm	Sr	≤ 0.01 ppm
Residue on calcination	≤ 1 ppm	Be	≤ 0.01 ppm	Li	≤ 0.01 ppm	Tl	≤ 0.01 ppm
Chloride	≤ 0.1 ppm	Bi	≤ 0.01 ppm	Mg	≤ 0.01 ppm	V	≤ 0.01 ppm
Phosphate	≤ 0.1 ppm	Ca	≤ 0.01 ppm	Mn	≤ 0.01 ppm	Zn	≤ 0.01 ppm
Nitrate	≤ 0.1 ppm	Cd	≤ 0.01 ppm	Mo	≤ 0.01 ppm	Zr	≤ 0.01 ppm
Sulphate	≤ 0.1 ppm	Co	≤ 0.01 ppm	Na	≤ 0.1 ppm	Oxidizing substances (O)	≤ 0.4 mg/l
Ag	≤ 0.01 ppm	Cr	≤ 0.01 ppm	Ni	≤ 0.01 ppm		

Code	Size	Packaging	Notes
307592	1 l	Plastic bottle	
307593	2.5 l	Plastic bottle	
307582	5 l	Plastic bottle	
307591	5 l	Plastic tank	
307581	10 l	Plastic tank	
307586	10 l	Kubidos	
307584	20 l	Kubidos	
307583	25 kg	Plastic tank	
307587	25 kg	Plastic tank	With tap
307585	50 kg	Plastic drum	
307589	1000 kg	Combined drum	

Conform to EN-ISO 3696 grade 3



Water purified

• Acqua purificata • Eau purifiée • Agua purificada • Gereinigtes Wasser

H₂O
Molecular Weight: 18,02
CAS: 7732-18-5
EEC-N: 231-791-2

Water purified > ERBApharm® - According to pharmacopoeia: Ph.Eur.-FU-Ph.Franc.-BP-DAB-USP-JP

ERBApharm

Description	Clear colourless liquid	Chloride	Pass test	Residue on evaporation	≤ 10 ppm	Origin (BSE/TSE)	Mineral
Identification	Positive	Sulphate	Pass test	Ammonium	≤ 0.2 ppm	Total Organic Carbon	≤ 0.05 ppm
pH	5.0 ÷ 7.0	Calcium	Conform	Nitrate	≤ 0.2 ppm	Conductivity at 20°C	≤ 1.1 µS/cm
Acidity or alkalinity	Conform Ph.Eu.	Calcium + Magnesium	Conform Ph.Eu.	Heavy metals (Pb)	≤ 0.1 ppm		
Oxidizable substances	Conform Ph.Eu.	Carbon dioxide	Conform	Total aerobic bacteria	Conform Ph.Eu.		

Code	Size	Packaging	Notes
307606	1 l	Plastic bottle	
307601	5 l	Plastic tank	
307602	10 l	Kubidos	
307603	25 kg	Plastic tank	
307604	200 l	Plastic drum	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Water + 0.1% v/v formic acid**

• Acqua + 0.1%(v/v) acido formico • Eau + 0.1%(v/v) acide formique • Agua + 0.1%(v/v) acido fórmico • Wasser + 0.1% (v / v) Ameisensäure

H₂O
Molecular Weight: 18,02
CAS: 7732-18-5

Water + 0.1% v/v formic acid > RS - For LC/MS**RS**

Description	Clear colourless liquid	Transmittance	Al	≤ 20 ppb	Raw material used
Colour	≤ 10 APHA	At 230 nm	Fe	≤ 30 ppb	Water (code 412110)
Acidity (formic acid)	0.095 ÷ 0.105 %	pH at 20°C	Ca	≤ 50 ppb	Formic acid 98-99% (code 405820) . Batch
HPLC Gradient		Test LC-MS TIC (100-2000m/z)	Mg	≤ 20 ppb	number
At 210 nm	≤ 50 mAU	Sensitive Impurities (reserpine)	Na	≤ 100 ppb	
At 254 nm	≤ 10 mAU	Metals content	K	≤ 50 ppb	

Code	Size	Packaging	Notes
412121	1 l	Glass bottle	
412122	2.5 l	Glass bottle	

**Water + 0.1% v/v trifluoroacetic acid**

• Acqua+ 0.1% v/v acido trifluoroacetico • Eau + 0.1% v/v d'acide trifluoroacétique • Agua + 0,1% v/v acido trifluoroacético
• Wasser + 0.1% v/v trifluoressigsäure

H₂O
CAS: 7732-18-5

Water + 0.1% v/v trifluoroacetic acid > RS - For HPLC**RS**

Clear, colourless solution Conform TFA content 0.095 - 0.105 %

Code	Size	Packaging	Notes
412031	1 l	Glass bottle	

**Water chlorine**

• Acqua di cloro • Eau de chlore • Agua de cloro • Chlorwasser

Cl₂
Molecular Weight: 70,91
CAS: 7782-50-5

**Warning**

H400
P273-P391-P501a

Water chlorine > RPE - For analysis**RPE**

Description Yellow clear liquid Identification Positive Assay (ex chloryne) 0.4 ÷ 0.7 % (p/p)

Code	Size	Packaging	Notes
411981	1 l	Glass bottle	

**Water deionized and acidified**

• Acqua deionizzata acidificata • Eau désionisée acidifiée • Agua desionizada acidificada • Gesäuertes entionisiertes Wasser

Molecular Weight: 63,01

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III

**Warning**

H290-H315-H319-H335
P261-P271-P304+P340-P305+P351+P338-
P332+P313-P403+P233

Water deionized and acidified > RS - Blanks for AAS, ICP, ICP-MS**RS**

Code	Size	Packaging	Notes
504550	1 l	Bottle	Matrix: 2 % Nitric acid
504551	1 l	Bottle	Matrix: 5 % Nitric acid
504552	1 l	Bottle	Matrix: 10 % Nitric acid
504553	1 l	Bottle	Matrix: 2 % Hydrochloric acid
504554	1 l	Bottle	Matrix: 5 % Hydrochloric acid
504557	1 l	Bottle	Matrix: 10 % Hydrochloric acid



Wijs' reagent

• Wijs reattivo • Réactif de Wijs • Wijs reactivo • Wijs 'Reagenz

Classification transport

ONU: 2920
Transport Hazard class: 8
Packing group II



Danger

H226-H314-H373
P210-P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338

Wijs' reagent > RS - For detection of iodine index

RS

Description Brown clear liquid Identification Positive Iodine value ≥90

Code	Size	Packaging	Notes
E491901	250 ml	Glass bottle	
E491902	1 l	Glass bottle	

Wool fat ▶ Lanolin anhydrous



Wright's stain solution in methanol

• Wright colorante soluzione in alcole metilico • Colorant de Wright solution methanolique • Colorante de Wright solución in alcohol metilico
• Wright's Färbelösung in Methanol

Classification transport

ONU: 1992
Transport Hazard class: 3
Packing group II



Danger

H225-H301-H370
P210-P241-P280-P301+P310a-P303+P361+P353-
P403+P235

Wright's stain solution in methanol > RS - For microscopy

RS

Description Blue clear liquid Identification Positive Assorbanza a 518 nm ≥ 0.17 Assorbanza a 660 nm ≥ 0.15

Code	Size	Packaging	Notes
492011	100 ml	Glass bottle	In Vitro Diagnostic Medical Device

Dye for hematology

**Xylene, mix of isomers**

• Xilene, isomeri misti • Xylène, mélange d'isomères • Xileno, mezcla de isómeros • Xylol, isomerengemisch

C₈H₁₀

Molecular Weight: 106,17

EEC-N: 905-588-0

Classification transport

ONU: 1307

Transport Hazard class: 3

Packing group III

**Danger**

H226-H312-H332-H315-H319-H335-H373-H304

P210-P280-P303+P361+P353-P304+P340-

P305+P351+P338-P403+P233

Xylene, mix of isomers > RS - RSE - For electronic use**RS**

Description	Clear liquid	Phosphate	≤1 ppm	Cd	≤0.005 ppm	Ni	≤0.01 ppm
Colour (APHA)	≤10	Heavy metals (Pb)	≤0.1 ppm	Co	≤0.01 ppm	Pb	≤0.01 ppm
Identification	Positive	Toluene	≤5000 ppm	Cr	≤0.01 ppm	Pt	≤0.05 ppm
Ready carbonizable substances	Conform	Total sulphur	≤3 ppm	Cu	≤0.01 ppm	Sb	≤0.01 ppm
Density at 20° C	0.864 ÷ 0.870	Ag	≤0.02 ppm	Fe	≤0.05 ppm	Sn	≤0.02 ppm
Boiling point	137.0 ÷ 140.0 °	Al	≤0.05 ppm	Ga	≤0.02 ppm	Sr	≤0.02 ppm
Resistivity	≥1 Mohm.cm	As	≤0.01 ppm	In	≤0.02 ppm	Ti	≤0.05 ppm
Water (K.F.)	≤100 ppm	Au	≤0.05 ppm	K	≤0.1 ppm	Tl	≤0.05 ppm
Residue on evaporation	≤5 ppm	B	≤0.01 ppm	Li	≤0.02 ppm	V	≤0.05 ppm
Acidity (HCl)	≤5 ppm	Ba	≤0.1 ppm	Mg	≤0.1 ppm	Zn	≤0.01 ppm
Alcalinity (NH ₃)	≤1 ppm	Be	≤0.02 ppm	Mn	≤0.01 ppm	Zr	≤0.05 ppm
Benzene	≤100 ppm	Bi	≤0.02 ppm	Mo	≤0.05 ppm		
Chloride	≤3 ppm	Ca	≤0.2 ppm	Na	≤0.1 ppm		

Code	Size	Packaging	Notes
492358	1 l	Glass bottle	
492359	2.5 l	Glass bottle	

Xylene, mix of isomers > RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP**RPE**

Description	Clear liquid	Residue on evaporation	≤10 ppm	Al	≤0.5 ppm	Mg	≤0.1 ppm
Colour (APHA)	≤10	Acidity (benzoic acid)	≤14 ppm	Ba	≤0.1 ppm	Mn	≤0.02 ppm
Identification (I.R.)	Positive	Alcalinity (NH ₃)	≤2 ppm	Ca	≤0.5 ppm	Ni	≤0.02 ppm
Boiling point	137 - 140 °C	Benzene	≤ 50 ppm	Cd	≤0.05 ppm	Pb	≤0.05 ppm
Ready carbonizable substances	Conform	Ethylbenzene	≤25 %	Co	≤0.02 ppm	Sn	≤0.1 ppm
Density at 20° C	0.864 ÷ 0.870	Tiophene	≤1 ppm	Cr	≤0.02 ppm	Zn	≤0.05 ppm
Refractive index at 20°C	1.4947 ÷ 1.4987	Toluene	≤0.5 %	Cu	≤0.02 ppm	Assay (isomeric mixture)	≥99.0 %
Water (K.F.)	≤200 ppm	Total sulphur	≤3 ppm	Fe	≤0.1 ppm	Any single impurity	≤ 0.5 %

Code	Size	Packaging	Notes
492301	1 l	Glass bottle	
492306	2.5 l	Glass bottle	
492305	5 l	Plastic tank	
492303	23 kg	Metal drum	
492304	170 kg	Metal drum	

Xylene, mix of isomers > RE - Pure - Low content in benzene**RE**

Description	Clear liquid	Refractive index at 20°C	1.4917 ÷ 1.5017	Water (K.F.)	≤ 200 ppm	Assay (isomeric mix)	≥ 98.5 %
Identity (I.R.)	Positive	Boiling point	137.5 ÷ 139.5 °C	Benzene	≤ 50 ppm		
Density at 20°C	0.862 ÷ 0.872	Residue on evaporation	≤ 100 ppm	Total sulphur	≤ 100 ppm		

Code	Size	Packaging	Notes
392602	1 l	Glass bottle	
392603	2.5 l	Glass bottle	
528251	5 l	Plastic tank	
392605	23 kg	Metal drum	
392608	170 kg	Metal drum	
528252	200 l	Metal drum	



o-Xylene

• o-Xilene • o-xylène • o-Xileno • o-Xylol

Synonym:

1,2-Dimethylbenzene

$C_6H_4(CH_3)_2$
Molecular Weight: 106,17
CAS: 95-47-6
EEC-N: 202-422-2

Classification transport
ONU: 1307
Transport Hazard class: 3
Packing group II



Danger

H226-H312-H332-H315-H319-H335-H304
P210-P280-P303+P361+P353-P304+P340-
P305+P351+P338-P403+P233

o-Xylene > RPE - For analysis

RPE

Description	Clear colourless liquid	Ready carbonizable substances.....	Conform	Water (K.F.)	≤300 ppm	Tiophene	≤1 ppm
Identification	Positive	Density at 20° C	0.875 ÷ 0.885	Acidity (benzoic acid)	≤14 ppm	Toluene.....	≤0.15 %
Alcohol miscibility.....	Complete	Refractive index at 20°C. 1.5028 ÷ 1.5088		Alcalinity (NH3).....	≤2 ppm	Total sulphur	≤5 ppm
Chloroform miscibility	Complete	Boiling point.....	139.0 ÷ 149.0 °C	Benzene	≤ 500 ppm	Assay (GLC)	≥99 %
Diethyl ether miscib.....	Complete	Freezing point	-23.5 ÷ -26.5 °C	Ethylbenzene.....	≤0.15 %		

Code	Size	Packaging	Notes
492403	1 l	Glass bottle	
492404	2.5 l	Glass bottle	
492401	24 kg	Metal drum	



Xylenecyanol

• Xilencianolo FF • Xylèncyanol FF • Xilencianol FF • Xylolcyanol

Synonym:

• Xylene Cyanol FF
• Acid blue 147

$C_{25}H_{27}N_2NaO_6S_2$
Molecular Weight: 538,61
CAS: 2650-17-1
EEC-N: 220-167-5



Warning

H319
P264-P280i-P305+P351+P338-P337+P313

Xylenecyanol > RPE - For analysis

RPE

Description	Cristalli verde intenso	Identification	Positive	Dye content	≥ 70 %	UV Lambda max.....	612 to 616 nm
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Code	Size	Packaging	Notes
492211	1 g	Glass bottle	
492212	25 g	Glass bottle	

Dye for microscopy (histology). Acid base indicator. C.I. 42135



2,4-Xylenol

• 2,4-Xilenolo • 2,4-Xylenol • 2,4-Xileno • 2,4-Xylenol

Synonym:

2,4-Dimethylphenol | 4-Hydroxy-m-xylene

$(CH_3)_2C_6H_3OH$
Molecular Weight: 122,17
CAS: 105-67-9
EEC-N: 203-321-6

Classification transport
ONU: 3430
Transport Hazard class: 6.1
Packing group II



Danger

H301-H311-H314-H411
P280-P301+P310a-P301+P330+P331-
P303+P361+P353-P304+P340-P305+P351+P338

2,4-Xylenol > RE - Pure

RE

Description	Yellow clear liquid	Density at 20° C	1.015 ÷ 1.021	Residue on ignition.....	≤100 ppm
Identification	Positive	Boiling point.....	210.5 ÷ 212.5 °C	Assay (GC)	≥ 98.0 %

Code	Size	Packaging	Notes
492661	25 ml	Glass bottle	

**Xylenol orange**

• Arancio xilenolo • Orange de xylénol • Naranja de xilenol • Xylenolorange

Synonym:

- Xylenol Orange disodium salt
- Cresolsulfonphtalein disodium salt

$C_{31}H_{30}O_{13}N_2SNa_2$
 Molecular Weight: 716,63
 CAS: 1611-35-4
 EEC-N: 216-553-8

**Warning**

H315-H319-H335
 P261-P271-P304+P340-P305+P351+P338-
 P332+P313-P403+P233

Xylenol orange > RPE - For analysis**RPE**

Description Orange crystalline powder Identification Positive Sens.as complex.indicat Conform

Code	Size	Packaging	Notes
423597	1 g	Glass bottle	
423598	5 g	Glass bottle	
423599	25 g	Glass bottle	

Complexometric indicator**D(+)-Xylose**

• D(+)-Xilosio • D(+)-Xylose • D(+)-Xilosa • D(+)-Xylose

$C_5H_{10}O_5$
 Molecular Weight: 150,13
 CAS: 58-86-6
 EEC-N: 200-400-7

D(+)-Xylose > RPE - For analysis**RPE**

Description White crystalline powder Specific optical rotation..... +19 ÷ +21 ° Chloride..... ≤50 ppm Residue on ignition..... ≤0.1 %
 Identification Positive Water (K.F.)..... ≤0.2 % Heavy metals (Pb)..... ≤10 ppm Sulphate..... ≤50 ppm

Code	Size	Packaging	Notes
492803	50 g	Glass bottle	
492804	100 g	Glass bottle	

D(+)-Xylose > RE - Pure**RE**

Description Whyte crystalline powder Specific optical rotation... +19.0 ÷ +20.0 ° Chloride..... ≤50 ppm Sulphate..... ≤50 ppm
 Identification Positive Loss on drying ≤0.3 % Heavy metals (Pb)..... ≤10 ppm As ≤1 ppm
 Melting point..... 144 ÷ 148 ° C Acidity (acetic acid)..... ≤300 ppm Residue on ignition..... ≤0.1 %

Code	Size	Packaging	Notes
392631	500 g	Plastic bottle	
392635	25 kg	Plastic bucket	



Yeast dried

• Lievito di birra secco • Levure de bière sèche • Levadura de cerveza seco • Bierhefe trocken

Yeast dried > RE - Pure

RE

Description Pv-gran nocciola odore ca Identification Positive

Code	Size	Packaging	Notes
348854	100 g	Plastic bottle	



Ytterbium standard solution

• Iterbio standard soluzione • Ytterbium solution standard • Iterbio, solución patrón • Ytterbium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Ytterbium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505947	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505948	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Ytterbium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504071	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504073	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504075	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504077	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Ytterbium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507768	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507523	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Yttrium standard solution

• Itrio standard soluzione • Yttrium solution standard • Itrio, solución patrón • Yttrium-Standardlösung

Classification transport

ONU: 3264
Transport Hazard class: 8
Packing group III



Yttrium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505942	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505945	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505943	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Yttrium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504061	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504063	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
504065	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid
504067	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Yttrium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507767	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
507522	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

a
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Ziehl-Neelsen's reagent

• Ziehl-Neelsen reattivo soluzione • Réactif de Ziehl-Neelsen en solution • Ziehl-Neelsen reactivo solución • Ziehl-Neelsens Reagenz

Classification transport

ONU: 2810
Transport Hazard class: 6.1
Packing group II



Danger

H331-H314-H341
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P308+P313-
P403+P233

Ziehl-Neelsen's reagent > RS - For bacteriology

RS

Description Red liquid Identification Positive Assorbanza a 554 nm ≥ 0.14

Code	Size	Packaging	Notes
493101	250 ml	Plastic bottle	In Vitro Diagnostic Medical Device
493102	1 l	Plastic bottle	In Vitro Diagnostic Medical Device

Dye for bacteriology. Contains carbol fuchsin.



Zinc, foil

• Zinco, lastra • Zinc, lames • Zinc, hojas • Zink, Folie

Zn
Molecular Weight: 65,38
CAS: 7440-66-6
EEC-N: 231-175-3

Zinc, foil > RPE - For analysis

RPE

Description Grey foil Identification Positive Assay (oxidimetric) ≥ 98 %

Code	Size	Packaging	Notes
493507	1 kg	Bag	



Zinc, granular

• Zinco, granuli • Zinc, granule • Zinc, granulada • Zink, körnig

Zn
Molecular Weight: 65,38
CAS: 7440-66-6
EEC-N: 231-175-3

Classification transport

ONU: 1436
Transport Hazard class: 4.3
Packing group II



Danger

H250-H260-H410
P210-P222-P223-P231a+P232-P280-P402+P404

Zinc, granular > RPE - For analysis

RPE

Description Granuli grigi As ≤ 0.15 ppm Pb ≤ 500 ppm
Identification Positive Fe ≤ 200 ppm

Code	Size	Packaging	Notes
493451	500 g	Plastic bottle	0.5 - 1 mm
493307	1 kg	Plastic bottle	1 - 7 mm
493309	5 kg	Plastic bottle	1 - 7 mm
493303	25 kg	Glass bottle	1 - 7 mm

**Zinc, powder**

• Zinco, polvere • Zinc, poudre • Zinc, polvo • Zink, Pulver

Zn

Molecular Weight: 65,38

CAS: 7440-66-6

Classification transport

ONU: 3077

Transport Hazard class: 9

Packing group III

**Warning**

H410

P273-P391-P501a

Zinc, powder > RE - Pure**RE**

Description Grey powder Identification Positive Assay (oxidimetric) ≥85 %

Code	Size	Packaging	Notes
493705	250 g	Glass bottle	
493707	1 kg	Plastic bottle	
493702	25 kg	Metal drum	

**Zinc, activated**

• Zinco, attivato • Zinc activé • Zinc, activado • Zink aktiviert

Zn

CAS: 7440-66-6

Classification transport

ONU: 3077

Transport Hazard class: 9

Packing group III

**Warning**

H410

P273-P391-P501a

Zinc, activated > RS - For analysis according to Ph. Eur. Chap. 4.1.1**RS**

Code	Size	Packaging	Notes
611096501	100 g	Plastic bottle	Ref Ph.Eur 1096501

**Zinc standard solution**

• Zinco standard soluzione • Zinc solution standard • Zinc, solución patrón • Zink-Standardlösung

Zn

Molecular Weight: 65,38

CAS: 7440-66-6

Classification transport

ONU: 3264

Transport Hazard class: 8

Packing group III

**Warning**

H290

P234-P390-P406

Zinc standard solution > RS - For analysis according to Ph. Eur. Chap. 4.2.1**RS**

Code	Size	Packaging	Notes
612000800	100 g	Plastic bottle	Ref Ph.Eur 2000800

Zinc standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2**RS**

Code	Size	Packaging	Notes
615003402	100 ml	Plastic bottle	A 10 ppm solution: to dilute according to Ref Ph.Eur 5003402
615003403	100 ml	Plastic bottle	A 5 ppm solution: to dilute according to Ref Ph.Eur 5003403
615003409	100 ml	Plastic bottle	A 100 ppm solution: to dilute according to Ref Ph.Eur 5003401

Zinc standard solution > RS - Standard solution for ICP-MS**RS**

Code	Size	Packaging	Notes
505952	100 ml	Plastic bottle	conc. 10 ppm. Matrix: Nitric acid
505955	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid
505953	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Zinc standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504081	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
504085	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid
504083	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
504087	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Zinc standard solution > RS - Standard solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.998 ÷ 1.002

Code	Size	Packaging	Notes
507769	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497685	100 ml	Glass bottle	conc. 1.000 ppm Matrix: Hydrochloric acid
507477	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid
E497681	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Zinc standard solution > RS - NORMEX - Concentrated solution for AAS

RS

Description Clear colourless liquid Identification Positive Titration factor..... 0.995 ÷ 1.005

Code	Size	Packaging	Notes
493151		Plastic ampoule	conc. 1.000 ppm Matrix: Nitric acid - Volume: 50 ml

Volumetric concentrated solution to be diluted accordingly with the instructions for use printed on the package



Zinc acetate dihydrate

• Zinco acetato diidrato • Zinc acétate dihydraté • Zinc acetato dihidrato • Zinkacetatdihydrat

Zn(CH₃COO)₂·2H₂O
Molecular Weight: 219,49
CAS: 5970-45-6



Warning

H319-H410
P264-P280i-P305+P351+P338-P337+P313-P391-P501a

Zinc acetate dihydrate > RPE - For analysis

RPE

Description White shining crystals Phosphate ≤20 ppm Cd ≤5 ppm Mn ≤5 ppm
Identification Positive Water-insoluble matter ≤30 ppm Cu ≤5 ppm Ni ≤5 ppm
pH sol. 5% at 25° C 6.2 ÷ 6.6 Sulphate ≤10 ppm Fe ≤ 5 ppm Pb ≤5 ppm
Chloride ≤5 ppm As ≤0.4 ppm K ≤100 ppm Assay (complexometric) ≥99.5 %

Code	Size	Packaging	Notes
493806	100 g	Plastic bottle	
493807	1 kg	Plastic bottle	
493803	25 kg	Plastic bucket	

**Zinc carbonate basic**

• Zinco carbonato basico • Zinc carbonate basique • Zinc carbonato básico • Zinkcarbonat basisch

$Zn_5(CO_3)_2(OH)_6$
 Molecular Weight: 548,97
 CAS: 5263-02-5
 EEC-N: 226-076-7

**Warning**

H315-H319-H410
 P264-P280a-P305+P351+P338-P332+P313-
 P362+P364-P337+P313

Zinc carbonate basic > RPE - For analysis**RPE**

Description White powder
 Identification Positive
 Sulphate ≤ 0.5 %

Cd ≤ 10 ppm
 Cu ≤ 5 ppm
 Fe ≤ 20 ppm

Mn ≤ 20 ppm
 Ni ≤ 5 ppm
 Pb ≤ 5 ppm

Loss on drying ≤ 3 %
 Loss on ignition 25.5 ± 0.5 %
 Assay (alkalimetric) ≥ 69 % (ZnO)

Code	Size	Packaging	Notes
494006	500 g	Plastic bottle	

**Zinc chloride anhydrous**

• Zinco cloruro anidro • Zinc chlorure anhydre • Zinc cloruro anhidro • Zinkchlorid wasserfrei

Synonym:
Dichlorozinc

$ZnCl_2$
 Molecular Weight: 136,28
 CAS: 7646-85-7
 EEC-N: 231-592-0

Classification transport

ONU: 2331
 Transport Hazard class: 8
 Packing group III

**Danger**

H302-H314-H410
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338

Zinc chloride anhydrous > RPE - For analysis - ACS**RPE**

Description White crystals
 Identification Positive
 Ammonium ≤ 50 ppm
 Diluted HCl-ins. matter ≤ 50 ppm

Nitrate ≤ 30 ppm
 Oxichloride(ZnO) Conform
 Sulphate ≤ 100 ppm
 Ca ≤ 600 ppm

Fe ≤ 10 ppm
 K ≤ 200 ppm
 Mg ≤ 100 ppm
 Na ≤ 500 ppm

Pb ≤ 50 ppm
 Assay (argentimetric) ≥ 97.0 %

Code	Size	Packaging	Notes
494104	100 g	Plastic bottle	
494105	250 g	Plastic bottle	
494107	1 kg	Plastic bottle	
494106	10 kg	Plastic tank	

Zinc chloride anhydrous > RE - Pure**RE**

Description White crystalline powder
 Identification Positive

Sulphate ≤ 0.05 %
 Fe ≤ 10 ppm

Assay (complexometric) ≥ 97 %

Code	Size	Packaging	Notes
393007	1 kg	Plastic bottle	
393009	5 kg	Plastic tank	

**Zinc chloride solution 60%**

• Zinco cloruro soluzione 60% • Zinc chlorure solution à 60% • Zinc cloruro solución 60% • Zinkchloridlösung 60%

Synonym:
Dichlorozinc

$ZnCl_2$
 Molecular Weight: 136,28
 CAS: 7646-85-7

Classification transport

ONU: 1840
 Transport Hazard class: 8
 Packing group III

**Danger**

H302-H314-H335-H410
 P280-P301+P330+P331-P303+P361+P353-
 P304+P340-P310a-P305+P351+P338-P403+P233

Zinc chloride solution 60% > RPE - For analysis**RPE**

Description Liquido incolore
 Identification Positive
 Density at 20° C ≥ 1.750

Code	Size	Packaging	Notes
E494301	1 l	Bottle	



Zinc chloride solution, iodinated

- Zinco cloruro soluzione, iodata • Chlorure de zinc - Solution iodée • Zinc cloruro solución, yodata
- Zinkchlorid - Jodlösung

Synonym:
Dichlorozinc

Molecular Weight: 136,28

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group III



Danger

H302-H314-H335-H372-H410
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Zinc chloride solution, iodinated > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611096603	500 ml	Glass bottle	Ref Ph.Eur 1096602

Storage: protected from light



Zinc chloride-formic acid solution

- Zinco cloruro - acido formico soluzione • Chlorure de zinc - acide formique - Solution • Zinc cloruro - ácido fórmico solución
- Zinkchlorid-Ameisensäure - Lösung

Classification transport

ONU: 1760
Transport Hazard class: 8
Packing group II



Danger

H302-H332-H314-H335-H411
P280-P301+P330+P331-P303+P361+P353-
P304+P340-P310a-P305+P351+P338-P403+P233

Zinc chloride-formic acid solution > RS - For analysis according to Ph. Eur. Chap. 4.1.1

RS

Code	Size	Packaging	Notes
611096601	1 l	Glass bottle	Ref Ph.Eur 1096601



Zinc dibenzylidithiocarbamate

- Zinco dibenzilditiocarbammato • Zinc dibenzylidithiocarbamate • Zinc dibencilditiocarbamat • n,n-Zinkdibenzylidithiocarbamat

$[(C_6H_5CH_2)_2NCSS]_2Zn$
Molecular Weight: 610,2
CAS: 14726-36-4
EEC-N: 238-778-0

Zinc dibenzylidithiocarbamate > RPE - For analysis

RPE

Description White powder Identification Positive Melting point 183 ÷ 185 ° C Assay (complexometric) ≥94 %

Code	Size	Packaging	Notes
494311	10 g	Glass bottle	



Zinc nitrate hexahydrate

- Zinco nitrato esaidratato • Zinc nitrate hexahydraté • Zinc nitrato hexahidratado • Zinknitrathexahydrat

$Zn(NO_3)_2 \cdot 6H_2O$
Molecular Weight: 297,47
CAS: 10196-18-6
EEC-N: 231-943-8

Classification transport

ONU: 1514
Transport Hazard class: 5.1
Packing group II



Danger

H272-H302-H315-H319-H335
P210-P261-P280-P304+P340-P305+P351+P338-
P403+P233

Zinc nitrate hexahydrate > RPE - For analysis

RPE

Description White semitransparent crystals Chloride ≤ 100 ppm Pb ≤ 100 ppm
Identification Positive Fe ≤ 20 ppm Assay (complexometric) ≥ 97.5 %

Code	Size	Packaging	Notes
494506	100 g	Plastic bottle	
494507	1 kg	Plastic bottle	

**Zinc oxide**

• Zinco ossido • Zinc oxyde • Zinc óxido • Zinkoxid

ZnO
Molecular Weight: 81,37
CAS: 1314-13-2
EEC-N: 215-222-5

**Warning**

H410
P273-P391-P501a

Zinc oxide > RPE - For analysis**RPE**

Description	White powder	Phosphate	≤5 ppm	As	≤0.5 ppm	Ni	≤10 ppm
Identification	Positive	Dil. H ₂ SO ₄ -ins. matter	≤100 ppm	Ca	≤50 ppm	Pb	≤50 ppm
Alcalinity	Conform	Nitrate	≤20 ppm	Cd	≤10 ppm	Zn	≤20 ppm
Loss on ignition	≤0.5 %	Subst. not ppt. (NH ₄) ₂ S	≤0.1 %	Cu	≤5 ppm	Assay (alkalimetric)	≥99.0 %
Carbonate	≤0.2 %	Subst. reducing KMnO ₄	≤10 ppm(15m)	Fe	≤10 ppm		
Chloride	≤5 ppm	Total sulphur	≤50 ppm	Mn	≤5 ppm		

Code	Size	Packaging	Notes
494606	100 g	Plastic bottle	
494607	1 kg	Plastic bottle	
494602	25 kg	Plastic bucket	

Zinc oxide > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP**ERBApharm**

Description	Yellowish powder	Fe - other heavy metals ... Conform USP-NF	Fe	≤200 ppm	Origin (BSE/TSE)	Synthesis
Identification	Positive	Loss on calcin. 500°C	Loss on calcin. 500°C	≤1.0 %	Residual solvents (Current ICH)	Conform
Alcalinity	Conform Ph.Eur.	As	As	≤5 ppm	Assay (complexometric)	99.0 ÷ 100.5 % s.s.c.
Coal and acid ins.matt.	Conform Ph.Eur.	Cd	Cd	≤10 ppm		

Code	Size	Packaging	Notes
393507	1 kg	Plastic bottle	
393509	5 kg	Plastic tank	
393503	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade

**Zinc stearate**

• Zinco stearato • Zinc stéarate • Zinc estearato • Zinkstearat

Synonym:
Stearic acid zinc salt

C₃₆H₇₀O₄Zn
Molecular Weight: 632,33
CAS: 557-05-1
EEC-N: 209-151-9

**Warning**

H335
P261-P271-P304+P340-P312a-P403+P233-P501a

Zinc stearate > ERBApharm - Vegetal origin - According to pharmacopoeia: Ph.Eur.-USP-FU**ERBApharm**

Description	White powder	Acidity ind. fat acids	195 ÷ 210	As	≤ 1.5 ppm	Assay as ZnO (complexometric)	12.5 ÷ 14.0 %
Identification	Positive	Freezing point	≥54 °C	Cd	≤ 5.0 ppm		
Appearance of solution	Conform Ph.Eur.	Alkaly-alkaline earth	≤ 1.0 %	Pb	≤ 10 ppm		
Solution appea. fat ac.	Conform Ph.Eur.	Chloride	≤ 250 ppm	Assay as Zn (complexometric)	10.0 ÷ 12.0 %		
Acidity or alkalinity	Conform Ph.Eur.	Sulphate	≤ 0.6 %				

Code	Size	Packaging	Notes
395451	1 kg	Plastic bottle	
395452	10 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Zinc sulfate heptahydrate

• Zinco solfato eptaidrato • Zinc sulfate heptahydraté • Zinc sulfato heptahidratado • Zink-Sulfat heptahydrat

ZnSO₄·7H₂O
Molecular Weight: 287,54
CAS: 7446-20-0



Danger

H302-H318-H410
P264-P280i-P301+P312a-P305+P351+P338-P310a-P501a

Zinc sulfate heptahydrate > RPE - For analysis - ACS

RPE

Description White crystals
Identification Positive
pH sol. 5% at 25° C 4.4 ÷ 6.0
Ammonium ≤10 ppm
Chloride ≤5 ppm
Water-insoluble matter ≤100 ppm
Nitrate ≤20 ppm
Ca ≤50 ppm
Fe ≤10 ppm
K ≤100 ppm
Mg ≤50 ppm
Mn ≤3 ppm
Na ≤500 ppm
Pb ≤30 ppm
Assay (complexometric) 99.0 ÷ 103.0 %

Code	Size	Packaging	Notes
494905	100 g	Plastic bottle	
494906	500 g	Plastic bottle	
494907	1 kg	Plastic bottle	
494909	5 kg	Plastic jar	
494901	25 kg	Drum	

Zinc sulfate heptahydrate > ERBApharm - According to pharmacopoeia: Ph.Eur.-USP-FU-Ph.Franc.-BP

ERBApharm

Description White crystalline powder
Identification Positive
Appearance of solution Conform Ph.Eur.
Acidity Conform USP-NF
pH sol. 5% at 25° C 4.4 ÷ 5.6
Chloride ≤300 ppm
Alkaline, alk. earth met ≤0.9 %
As ≤14 ppm
Fe ≤100 ppm
Pb ≤20 ppm
Assay (complexometric) 99.0 ÷ 104.0 %

Code	Size	Packaging	Notes
394007	1 kg	Plastic bottle	
394009	5 kg	Plastic tank	
394001	25 kg	Plastic bucket	

In case of Excipient use, please contact us to inquire about the availability of this product in Xcipharm™ grade



Zinc sulfate monohydrate

• Zinco solfato monoidrato • Zinc sulfate monohydrate • Zinc sulfato monohidratado • Zinksulfat-Monohydrat

ZnSO₄·H₂O
Molecular Weight: 179,45
CAS: 7446-19-7
EEC-N: 231-793-3

Classification transport

ONU: 3077
Transport Hazard class: 9
Packing group III



Danger

H302-H318-H410
P264-P280i-P301+P312a-P305+P351+P338-P310a-P501a

Zinc sulfate monohydrate > RPE - For analysis

RPE

Description White fine powder
Identification Positive
Assay (Zn) ≥ 35 %
Water (K.F.) ≤ 1 %
pH sol. 5% at 25°C 4 ÷ 6
Chloride ≤ 1 %
Mn ≤ 30 ppm
Fe ≤ 30 ppm
Pb ≤ 10 ppm
Cu ≤ 5 ppm
Cd ≤ 10 ppm
Ni ≤ 15 ppm
As ≤ 1 ppm
Hg ≤ 0.1 ppm

Code	Size	Packaging	Notes
495005	250 g	Plastic bottle	
495007	1 kg	Plastic bottle	



Zinc sulfate 0.1 mol/l (0.2N)

• Zinco solfato 0.1 mol/l (0.2N) • Zinc sulfate 0.1 mol/l (0.2N) • Zinc sulfato 0.1 mol/l (0.2N) • Zink-Sulfat 0.1 mol/l (0.2N)

ZnSO₄·7H₂O
Molecular Weight: 287,54
CAS: 7446-20-0

Zinc sulfate 0.1 mol/l (0.2N) > RS - For analysis according to Ph. Eur. Chap. 4.2.2

RS

Code	Size	Packaging	Notes
613008601	500 ml	Plastic bottle	Ref Ph.Eur 3008600
613008600	1 l	Plastic bottle	Ref Ph.Eur 3008600

Zinc sulfate 0.1 mol/l (0.2N) > RS - For analysis according to JP

RS

Code	Size	Packaging	Notes
616000050	1 l	Plastic bottle	Zinc (standard reagent)/ hydrochloric acid / bromine TS /water

Zinc sulfate 0.1 mol/l (0.2N) > RS - For analysis according to USP

RS

Code	Size	Packaging	Notes
617000291	1 l	Bottle	

Zinc sulfate 0.1 mol/l (0.2N) > RPE - For analysis

RPE

Description Clear colourless liquid Assay (potentiometry) 0.1996 - 0.2004 N

Code	Size	Packaging	Notes
494921	1 l	Plastic bottle	

**Zinc sulfate 0.05 mol/l (0.05N)**

• Zinco solfato 0.05 mol/l (0.05N) • Zinc sulfate 0.05 mol/l (0.05N) • Zinc sulfato 0.05 mol/l (0.05N) • Zink-Sulfat 0.05 mol/l

ZnSO₄·7H₂O
Molecular Weight: 287,54
CAS: 7446-20-0

**Warning**

H319-H412
P264-P273-P280i-P305+P351+P338-P337+P313-
P501a

Zinc sulfate 0.05 mol/l (0.05N) > RPE - For analysis

RPE

Description Clear colourless liquid Titration factor 0.998 ÷ 1.002

Code	Size	Packaging	Notes
494931	1 l	Plastic bottle	

**Zinc sulfide**

• Zinco solfuro • Zinc sulfure • Zinc sulfuro • Zinksulfid

Synonym:
Zinc sulphide

ZnS
Molecular Weight: 97,43
CAS: 1314-98-3
EEC-N: 215-251-3

HEU031

Zinc sulfide > RPE - For analysis

RPE

Description White-green powder Ammonium ≤500 ppm Heavy metals (Pb) ≤20 ppm Assay (complexometric) ≥98 %
Identification Positive Chloride ≤500 ppm Fe ≤50 ppm

Code	Size	Packaging	Notes
495105	250 g	Plastic bottle	
495107	1 kg	Plastic bottle	

**Zirconium powder**

• Zirconio polvere • Zirconium en poudre • Zirconio polvo • Zirkoniumpulver

Zr
Molecular Weight: 91,22
CAS: 7440-67-7
EEC-N: 231-176-9

Classification transport

ONU: 2008
Transport Hazard class: 4.2
Packing group I

**Danger**

H250-H260
P210-P222-P223-P231a+P232-P280-P402+P404

Zirconium powder > RPE - For analysis

RPE

Description Dark grey powder Identification Positive Assay (gravimetric) ≥97 %

Code	Size	Packaging	Notes
495202	25 g	Glass bottle	



Zirconium standard solution

• Zirconio standard soluzione • Zirconium solution standard • Zirconio, solución patrón • Zirkonium-Standardlösung

Zirconium standard solution > RS - For analysis according to Ph. Eur. Chap. 4.1.2

RS

Code	Size	Packaging	Notes
615003500	100 ml	Plastic bottle	A 1 g/l solution Ref Ph.Eur 5003500

Zirconium standard solution > RS - Standard solution for ICP-MS

RS

Code	Size	Packaging	Notes
505957	100 ml	Plastic bottle	conc. 10 ppm Matrix: Nitric acid and hydrofluoric acid
505958	100 ml	Plastic bottle	conc. 100 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Zirconium standard solution > RS - Standard solution for ICP

RS

Code	Size	Packaging	Notes
504091	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid
504095	100 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid
504093	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid
504097	500 ml	Plastic bottle	conc. 10.000 ppm Matrix: Hydrochloric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval

Zirconium standard solution > RS - Standard solution for AAS

RS

Code	Size	Packaging	Notes
507770	100 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid
507524	500 ml	Plastic bottle	conc. 1.000 ppm Matrix: Nitric acid and hydrofluoric acid

Provided with a Certificate of analysis with references on the analytical method, the N.I.S.T. Standard Reference Materials and the confidence interval



Zirconium (IV) oxide

• Zirconio ossido • Zirconium (IV) oxyde • Zirconio (IV) óxido • Zirkonium (IV) oxid

Synonym:
Zirconia

ZrO₂
Molecular Weight: 123,22
CAS: 1314-23-4
EEC-N: 215-227-2

Zirconium (IV) oxide > RPE - For analysis

RPE

Description Polvere bianca Chloride ≤100 ppm Assay (complexometric) ≥99 %
Identification Positive Fe ≤200 ppm

Code	Size	Packaging	Notes
495305	250 g	Glass bottle	

**Zirconyl nitrate**

• Zirconile nitrato • Zirconyle nitrate • Zirconio oxinitrato • Zirconyl nitrat

Synonym:

Zirconium(IV) oxynitrate hydrate $ZrO(NO_3)_2 \cdot nH_2O$

Molecular Weight: 231,23 (an,)

CAS: 14985-18-3

EEC-N: 237-529-3

Classification transport

ONU: 1477

Transport Hazard class: 5.1

Packing group II

**Danger**

H272-H315-H319-H335

P210-P261-P280-P304+P340-P305+P351+P338-P403+P233

Zirconyl nitrate > RE - Pure**RE**

Description White powder Identification Positive Hf..... ≤ 4 % Assay (gravimetric) ≥ 99.4 %

Code	Size	Packaging	Notes
396105	50 g	Glass bottle	

**Zirconyl nitrate**

• Zirconile nitrato • Zirconyle nitrate • Zirconio oxinitrato • Zirconyl nitrat

Synonym:

Zirconium(IV) oxynitrate hydrate $ZrO(NO_3)_2 \cdot nH_2O$

Molecular Weight: 231,23 (an,)

CAS: 14985-18-3

EEC-N: 237-529-3

Classification transport

ONU: 1477

Transport Hazard class: 5.1

Packing group II

**Danger**

H272-H315-H319-H335

P210-P261-P280-P304+P340-P305+P351+P338-P403+P233

Zirconyl nitrate > RE - Pure**RE**

Description White powder Identification Positive Hf..... ≤ 4 % Assay (gravimetric) ≥ 99.4 %

Code	Size	Packaging	Notes
396105	50 g	Glass bottle	

a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
t
u
v
w
x
y
z

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- Change control

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- Certificate of analysis with the name of the producer and the date of production of the raw material
- Stability studies

■ DOCUMENTATION

- BSE/TSE statement
- OGM statement
- Residual solvents statement
- ICH Q3D
- Risk assessment (2015/C95/02)

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Product specifications are subject to changes. Please visit our website for updates.



CHEMICAL TABLES



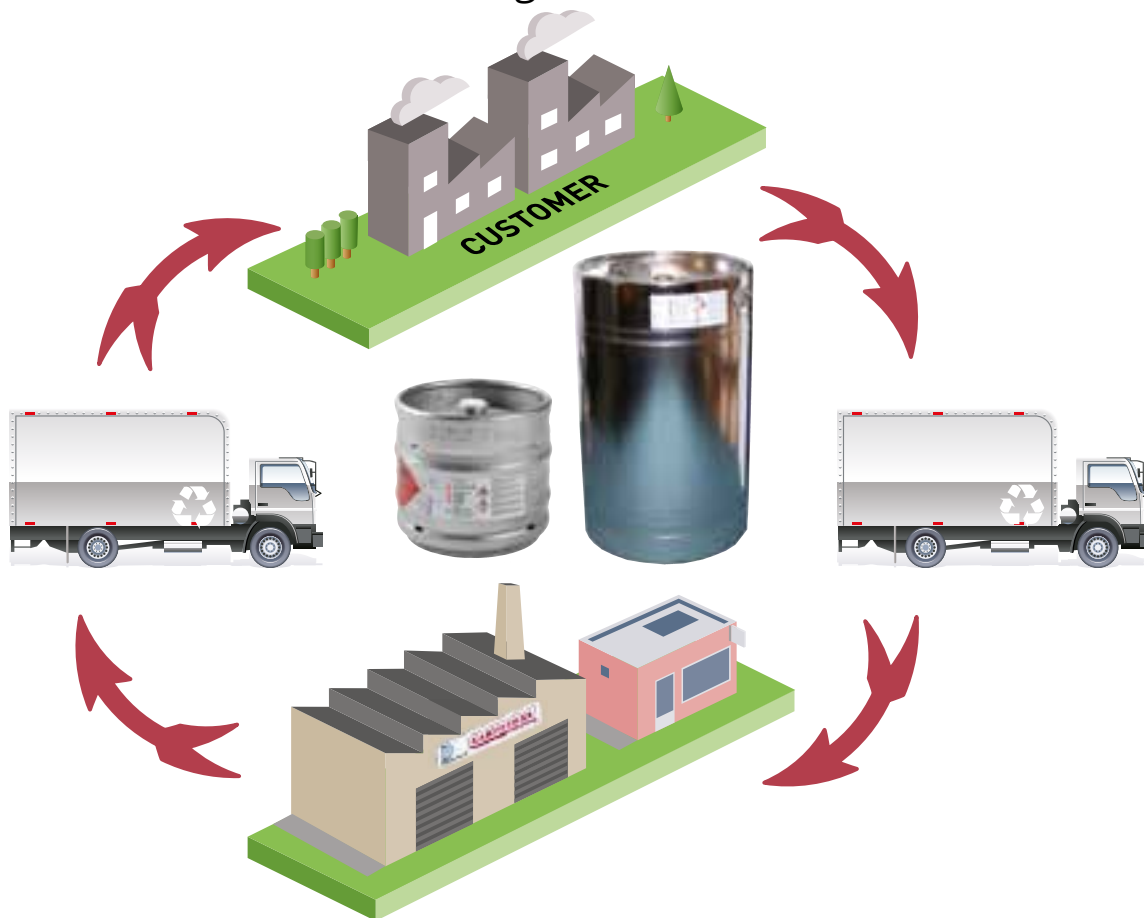
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PERIODIC TABLE OF THE ELEMENTS



Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H Hydrogen																	
2	Li Lithium	Be Beryllium																
3	Na Sodium	Mg Magnesium																
4	K Potassium	Ca Calcium	Sc Scandium	Ti Titanium	V Vanadium	Cr Chromium	Mn Manganese	Fe Iron	Co Cobalt	Ni Nickel	Cu Copper	Zn Zinc	Ga Gallium	Ge Germanium	As Arsenic	Se Selenium	Br Bromine	Kr Krypton
5	Rb Rubidium	Sr Strontium	Y Yttrium	Zr Zirconium	Nb Niobium	Mo Molybdenum	Tc Technetium	Ru Ruthenium	Rh Rhodium	Pd Palladium	Ag Silver	Cd Cadmium	In Indium	Sn Tin	Sb Antimony	Te Tellurium	I Iodine	Xe Xenon
6	Cs Cesium	Ba Barium	Lanthanides Series		Hf Hafnium	Ta Tantalum	W Tungsten	Re Rhenium	Os Osmium	Pt Platinum	Au Gold	Hg Mercury	Tl Thallium	Pb Lead	Bi Bismuth	Po Polonium	At Astatine	Rn Radon
7	Fr Francium	Ra Radium	Actinides Series		Rf Rutherfordium	Db Dubnium	Sg Seaborgium	Bh Bohrium	Hs Hassium	Mt Meitnerium	Ds Darmstadtium	Cn Copernicium	Nh Nihonium	Fl Flerovium	Mc Moscovium	Lv Livermorium	Ts Tennessine	Og Oganesson
8	Lu Lutetium	Hf Hafnium	La Lanthanum	Ce Cerium	Pr Praseodymium	Nd Neodymium	Pm Promethium	Sm Samarium	Eu Europium	Gd Gadolinium	Tb Terbium	Dy Dysprosium	Ho Holmium	Er Erbium	Tm Thulium	Yb Ytterbium	Lu Lutetium	Lr Lawrencium

Legend

Phase at STP

- Gas
- Liquid
- Solid

Common Constants

- Atomic Number
- Atomic Weight
- Electronegativity
- Ionization Energy
- Electron Affinity
- Atomic Radius
- Covalent Radius
- Van der Waals Radius
- Boiling Point
- Melting Point
- Density
- Crystal Structure
- Group
- Period
- Block



Chemicals, Labware and Life Sciences
for Laboratories and Industry

MEASUREMENTS AND SYMBOLS

Unit Name	Symbols	Dimension
Ångström	Å	Length
Becquerel	Bq	Activity
Calorie	cal	Heat quantity
Candela	cd	Luminous intensity
Kilogram	kg	Mass
Coulomb	C	Electric charge
Second	s	Time
Dyne	dyn	Force
Dyne per centimetre	dyn/cm	Surface tension
Erg	erg	Work, energy
Farad	F	Electric capacitance
Ampere	A	Electric current
Herz	Hz	Frequency
Joule	J	Energy, work
Metre	m	Length
Micron	μ o μ m	Length
Mole	mol	Amount of substance
Newton	N	Force
Pascal	Pa	Pressure
Poise	P o Po	Dynamic viscosity
Liter	L	Volume
Stokes	St	Kinematic viscosity
Kelvin	K	Temperature
Volt	V	Electric potential
Watt	W	Power

DECIMAL UNIT MULTIPLES AND SUBMULTIPLES

Multiples

Factor	Name	Decimal number	Prefix	Symbol
10^{18}	trillion	1 000 000 000 000 000 000	exa	E
10^{15}	–	1 000 000 000 000 000	penta	P
10^{12}	one thousand bilion	1 000 000 000 000	tera	T
10^9	bilion	1 000 000 000	giga	G
10^6	milion	1 000 000	mega	M
10^3	one thousand	1 000	kilo	k
10^2	one hundred	100	hecto	h
10^1	ten	10	deca	da
10^0	one	1	–	–

Submultiples

Factor	Name	Decimal number	Prefix	Symbol
10^0	one	1	–	–
10^{-1}	one tenth	0,1	deci	d
10^{-2}	one hundredth	0,01	centi	c
10^{-3}	one thousandth	0,001	milli	m
10^{-6}	one milionth	0,000 001	micro	μ
10^{-9}	one bilionth	0,000 000 001	nano	n
10^{-12}	one thousand bilionth	0,000 000 000 001	piko	p
10^{-15}	–	0,000 000 000 000 001	femto	f
10^{-18}	one trilionth	0,000 000 000 000 000 001	atto	a

APHA COLOUR

APHA	Pt-Co ml	Water ml
10	1.0	49.0
20	2.0	48.0
30	3.0	47.0
40	4.0	46.0
60	6.0	44.0
80	8.0	42.0
100	10.0	40.0
150	15.0	35.0
200	20.0	30.0
300	30.0	20.0
400	40.0	10.0
500	50.0	-

The colour of the liquid (pure substance or solutions) might be conventionally expressed in APHA units (American Public Health Association).

The determination is carried out comparing the colour of the liquid with that of reference solution prepared under specific conditions. For the comparison, two identical 50 ml Nessler cylinders of transparent glass, containing equal volumes of the liquid and reference solution were used. This was prepared by diluting a certain amount of Platinum-Cobalt, so as to obtain the given APHA value according to the ratios given in the table below.

Platinum-Cobalt (500 APHA)

Dissolve 1,246 g of Potassium chloroplatinate RPE and 1,000 g of Cobaltous chloride hexahydrate RPE in 200 ml of distilled water. Add 100 ml of hydrochloric acid 37% and dilute to 1000 ml with distilled water. This solution has a conventional colorimetric value of 500 APHA units.

VISCOSITY - UNIT OF MEASURE

International System (SI)

Shear stress τ	Pascal (Pa)=Newton/m ² (N/m ²)
Velocity gradient g.....	m/s
Dynamic viscosity h	Pascal x second (Pa·s)
.....	Millipascal x second (mPa·s)
Kinematic viscosity n.....	m ² /s =104 Stokes
.....	mm ² /s

CGS System

Shear stress τ	dine/cm ²
Velocity gradient g.....	cm/s
Dynamic viscosity h	Poise (P) = dine·s/cm ² = 1 Pa
.....	Centipoise (cP)
Kinematic viscosity n.....	Stokes (St) = 0,1 Pa·s
.....	Centistokes (cSt) = 1 mPa·s

Tab. 1 - Distilled water – specific viscosity at different temperatures ⁽¹⁾

Temperature	cP (centipoise)	Viscosity
0°	0,0179	1,000
5°	0,0151	0,843
10°	0,0130	0,730
15°	0,0114	0,637
17,5°	0,0107	0,599
20°	0,0100	0,561
30°	0,0080	0,446
50°	0,0054	0,307
70°	0,0040	0,226
100°	0,0028	0,158

(1) From: Küster F.W. - Thiel A., Tabelle Logarithmiche, ed. Hoepli, 1965

Tab. 2 - Table of viscosity in increasing order (cP at 20° C)

Solvent	Viscosity (cP)	Solvent	Viscosity (cP)	Solvent	Viscosity (cP)
Pentane	0.23	Methanol	0.55	Water	1.00
Diethyl ether	0.23	Tetrahydrofuran	0.55	Hethanol absolute	1.20
Methyl-tert-butyl ether	0.27	Chloroform	0.57	Acetic acid glacial	1.29
Petroleum ether	0.30	Toluene	0.59	1,4 Dioxane	1.54
Hexane	0.31	Benzene	0.65	2-Methoxyethanol	1.72
Acetone	0.32	1,1,2-Tricloro 1,2,2-trifluoroethane	0.71	Dimethylsulfoxide	2.24
Acetonitrile	0.36	1,2 Dichloroethane	0.79	Propan-1-ol	2.26
Heptane	0.41	Dimethylformamide	0.85	Propan-2-ol	2.30
Dichlorometane	0.43	Tetrachloroethylene	0.93	Octan-1-ol	approx. 10.64
1-Chlorobutane	0.45	Pyridine	0.95		
Ethyl acetate	0.45	Carbon tetrachloride	0.97		
2,2,4 Trimethylpentane	0.51	Cyclohexane	1.00		

DENSITY

Ammonium hydroxide

d 15°C 4°C	°Bé	% NH ₃
1.000	10	-
0.992	11	1.61
0.986	12	3.30
0.979	13	4.80
0.972	14	6.55
0.966	15	8.33
0.959	16	9.91
0.953	17	11.60
0.947	18	13.31
0.941	19	15.04
0.935	20	17.12
0.929	21	18.64
0.923	22	20.08
0.917	23	22.39
0.912	24	24.34
0.906	25	26.31
0.900	26	27.99
0.895	27	29.69
0.889	28	31.75

Hydrochloric acid

15°C d 4°C	°Bé	% m HCl
1.0069	1	1.56
1.014	2	2.99
1.021	3	4.55
1.028	4	5.99
1.036	5	7.56
1.043	6	9.14
1.050	7	10.59
1.058	8	12.17
1.066	9	13.61
1.074	10	15.16
1.082	11	16.70
1.090	12	18.30
1.098	13	20.00
1.106	14	21.60
1.115	15	23.05
1.124	16	24.79
1.133	17	26.55
1.142	18	28.15
1.151	19	29.95
1.160	20	32.10
1.169	21	33.65
1.179	22	35.40
1.189	23	37.25
1.199	24	39.10

Nitric acid

d 15°C 4°C	°Bé	% m HNO ₃
1.0069	1	1.39
1.014	2	2.69
1.021	3	4.08
1.028	4	5.37
1.036	5	6.76
1.043	6	8.13
1.050	7	9.35
1.058	8	10.68
1.066	9	11.88
1.074	10	13.15
1.082	11	14.47
1.090	12	15.70
1.098	13	17.11
1.106	14	18.46
1.115	15	19.61
1.124	16	21.00
1.133	17	22.40
1.142	18	23.70
1.151	19	25.15

1.160	20	26.65
1.169	21	28.03
1.179	22	29.38
1.189	23	30.88
1.199	24	32.36
1.209	25	33.80
1.219	26	35.28
1.229	27	36.96
1.240	28	38.44
1.250	29	40.12
1.261	30	41.81
1.273	31	43.49
1.284	32	45.18
1.295	33	46.98
1.307	34	48.72
1.319	35	50.71
1.331	36	52.80
1.344	37	54.93
1.356	38	57.13
1.369	39	59.39
1.382	40	61.92
1.396	41	64.71
1.409	42	67.50
1.423	43	70.80
1.437	44	74.32
1.452	45	78.18
1.467	46	82.48
1.482	47	87.23
1.498	48	93.45
1.513	49	99.07

Phosphoric acid

d 15°C 4°C	°Bé	% m H ₃ PO ₄
1.0069	1	1.38
1.014	2	2.76
1.021	3	4.13
1.028	4	5.51
1.036	5	6.90
1.043	6	8.26
1.050	7	9.64
1.058	8	11.02
1.066	9	12.40
1.074	10	13.77
1.082	11	15.15
1.090	12	16.53
1.098	13	17.91
1.106	14	19.28
1.115	15	20.66
1.124	16	22.04
1.133	17	23.42
1.142	18	24.80
1.151	19	26.17
1.160	20	27.55
1.169	21	28.93
1.179	22	30.31
1.189	23	31.68
1.199	24	33.06
1.209	25	34.44
1.219	26	35.82
1.229	27	37.19
1.240	28	38.57
1.250	29	39.95
1.261	30	41.33
1.273	31	42.70
1.284	32	44.08
1.295	33	45.46
1.307	34	46.84
1.319	35	48.21
1.331	36	49.59
1.344	37	50.97

1.356	38	52.04
1.369	39	53.72
1.382	40	55.10
1.396	41	56.48
1.409	42	57.86
1.423	43	59.23
1.437	44	60.61
1.452	45	61.99
1.467	46	63.37
1.482	47	64.75
1.498	48	66.12
1.513	49	67.50
1.529	50	68.88
1.545	51	70.26
1.562	52	71.63
1.579	53	73.01
1.597	54	74.39
1.615	55	75.77
1.633	56	77.14
1.652	57	78.52
1.671	58	79.90
1.690	59	81.28
1.710	60	82.65
1.731	61	83.03
1.752	62	85.41
1.773	63	86.80
1.795	64	88.16
1.818	65	89.55
1.841	66	90.92

Potassium hydroxide

d 15°C 4°C	°Bé	% m KOH
1.0069	1	0.9
1.014	2	1.7
1.021	3	2.6
1.028	4	3.5
1.036	5	4.5
1.043	6	5.5
1.050	7	6.4
1.058	8	7.4
1.066	9	8.3
1.074	10	9.2
1.082	11	10.1
1.090	12	11.0
1.098	13	12.0
1.106	14	12.9
1.115	15	13.8
1.124	16	14.8
1.133	17	15.7
1.142	18	16.6
1.151	19	17.6
1.160	20	18.6
1.169	21	19.5
1.179	22	20.5
1.189	23	21.4
1.199	24	22.4
1.209	25	23.3
1.219	26	24.2
1.229	27	25.1
1.240	28	26.1
1.250	29	27.0
1.261	30	28.0
1.273	31	28.9
1.284	32	29.8
1.295	33	30.7
1.307	34	31.7
1.319	35	32.7
1.331	36	33.7
1.344	37	34.9
1.356	38	35.9

1.369	39	36.9
1.382	40	37.9
1.396	41	38.9
1.409	42	39.9
1.423	43	40.9
1.437	44	42.1
1.452	45	43.4
1.467	46	44.6
1.482	47	45.8
1.498	48	47.1
1.513	49	48.3
1.529	50	49.4
1.545	51	50.6

Sodium hydroxide

d 15°C 4°C	°Bé	% m NaOH
1.0069	1	0.59
1.014	2	1.20
1.021	3	1.85
1.028	4	2.50
1.036	5	3.15
1.043	6	3.79
1.050	7	4.50
1.058	8	5.20
1.066	9	5.86
1.074	10	6.58
1.082	11	7.30
1.090	12	8.07
1.098	13	8.78
1.106	14	9.50
1.115	15	10.30
1.124	16	11.06
1.133	17	11.90
1.142	18	12.69
1.151	19	13.50
1.160	20	14.35
1.169	21	15.15
1.179	22	16.00
1.189	23	16.90
1.199	24	17.81
1.209	25	18.71
1.219	26	19.65
1.229	27	20.60
1.240	28	21.55
1.250	29	22.50
1.261	30	23.50
1.273	31	24.48
1.284	32	25.50

1.295	33	26.58
1.307	34	27.65
1.319	35	28.83
1.331	36	30.00
1.344	37	31.20
1.356	38	32.50
1.369	39	33.73
1.382	40	35.00
1.396	41	36.36
1.409	42	37.65
1.423	43	39.06
1.437	44	40.47
1.452	45	42.02
1.467	46	43.58
1.482	47	45.16
1.498	48	46.73
1.513	49	48.41
1.529	50	50.10

Sulphuric acid

d 15°C 4°C	°Bé	% m H ₂ SO ₄
1.0069	1	1.20
1.014	2	2.20
1.021	3	3.35
1.028	4	4.40
1.036	5	5.54
1.043	6	6.67
1.050	7	7.67
1.058	8	8.77
1.066	9	9.78
1.074	10	10.90
1.082	11	12.06
1.090	12	13.13
1.098	13	14.35
1.106	14	15.48
1.115	15	16.49
1.124	16	17.66
1.133	17	18.85
1.142	18	19.93
1.151	19	21.17
1.160	20	22.45
1.169	21	23.60
1.179	22	24.76
1.189	23	26.04
1.199	24	27.32
1.209	25	28.58
1.219	26	29.84
1.229	27	31.23

1.240	28	32.40
1.250	29	33.66
1.261	30	34.90
1.273	31	36.17
1.284	32	37.45
1.295	33	38.84
1.307	34	40.12
1.319	35	41.50
1.331	36	42.98
1.344	37	44.28
1.356	38	45.62
1.369	39	46.94
1.382	40	48.35
1.396	41	49.85
1.409	42	51.15
1.423	43	52.51
1.437	44	53.91
1.452	45	55.34
1.467	46	56.74
1.482	47	58.13
1.498	48	59.54
1.513	49	61.12
1.529	50	62.53
1.545	51	64.05
1.562	52	65.50
1.579	53	66.95
1.597	54	68.41
1.615	55	70.00
1.633	56	71.70
1.652	57	73.18
1.671	58	74.80
1.690	59	76.50
1.710	60	78.04
1.731	61	80.02
1.752	62	81.83
1.773	63	84.00
1.795	64	86.30
1.818	65	90.05
1.841	66	95.69

POLARITY

Table of polarity in increasing order (p)









































































































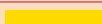



Solvent	Polarity (p)
Heptane	0.1
Hexane	0.1
Petroleum ether	0.1
2,2,4 Trimethylpentane	0.1
Cyclohexane	0.2
1-Chlorobutane	1.0
Carbon tetrachloride	1.6
Toluene	2.4
Metyl-tert butyle ether	2.5
Benzene	2.7

Solvent	Polarity (p)
Diethyl ether	2.8
Dichloromethane	3.1
Octan-1-ol	3.4
1,2 Dichloroethane	3.5
Propan-1-ol	3.9
Propan-2-ol	4.0
Tetrahydrofuran	4.0
Chloroform	4.1
Ethanol absolute	4.3
Ethyl acetate	4.4

Solvent	Polarity (p)
1,4 Dioxane	4.8
Acetone	5.1
Methanol	5.1
Pyridine	5.3
2-Methoxyethanol	5.5
Acetonitrile	5.8
Acetic acid glacial	6.0
Dimethylformamide	6.4
Dimethylsulfoxide	7.2
Water	10.2

INDICATORS

Table of pH range and colour shades

Indicator	pH range	Acid	Basic
Malachite green	0.0-2.0	 yellow	 green-blue
Brilliant green	0.0-2.6	 yellow	 green
Eosin Y	0.0-3.0	 yellow	 green
Erythrosin B	0.0-3.6	 orange	 red
Methyl green	0.1-2.3	 yellow	 blue
Methyl violet	0.1-2.7	 yellow	 violet
Picric acid	0.2-1.0	 colourless	 yellow
Cresol red	0.2-1.8	 red	 yellow
Crystal violet	0.8-2.6	 yellow	 blue-violet
Thymol blue	1.2-2.8	 red	 yellow
Tropaeolin OO	1.3-3.2	 red	 yellow
Eosin B	1.4-2.4	 colourless	 rose
Quinaldine red	1.4-3.2	 colourless	 rose
2,4-Dinitrophenol	2.4-4.0	 colourless	 yellow
Methyl yellow	2.9-4.0	 red	 yellow
Bromophenol blue	3.0-4.6	 yellow	 blue-violet
Congo red	3.0-5.2	 blue	 yellow-orange
Methyl orange	3.1-4.4	 red	 orange
Alizarine sodium sulphonate	3.7-5.2	 yellow	 violet
α-Naphtil red	3.7-5.0	 red	 yellow
Bromocresol green	4.0-5.6	 yellow	 blue
2,5-Dinitrophenol	4.0-5.8	 colourless	 yellow
Alizarine red	4.3-6.3	 yellow	 violet
Methyl red	4.4-6.2	 red	 yellow
Chlorophenol red	4.8-6.4	 yellow	 red
Bromocresol purple	5.2-6.8	 yellow	 purple
p-Nitrophenol	5.4-7.5	 colourless	 yellow
Bromoxylenol blue	5.7-7.5	 yellow	 blue
Alizarine	5.8-7.2	 yellow	 red
Bromothymol blue	6.0-7.6	 yellow	 blue
Bromophenol blue	6.2-7.6	 yellow	 blue
Phenol red	6.4-8.2	 yellow	 red
3-Nitrophenol	6.6-8.6	 colourless	 yellow-orange
Neutral red	6.8-8.0	 red	 yellow
Rosolic acid	6.8-8.0	 yellow	 red
Cresol red	7.2-8.8	 yellow	 red
α-Naphtolphtalein	7.3-8.7	 rose	 green
Cresol purple	7.4-9.0	 yellow	 purple
Tropaeolin OOO	7.6-8.9	 yellow	 rose-red
Thymol blue	8.0-9.6	 yellow	 blue
Phenolphtalein	8.0-10.0	 colourless	 red
α-Naphtolbenzein	9.0-11.0	 yellow	 blue
Thymolphtalein	9.4-10.6	 colourless	 blue
Alkali blue 6B	9.4-14.0	 violet	 rose
Alizarin	10.0-12.0	 yellow	 purple
Nilo blue	10.1-11.1	 blue	 red
Diazoviolet	10.1-12.0	 yellow	 violet
Tropaeolin O	11.0-13.0	 yellow	 orange-brown
Nitramine	11.0-13.0	 colourless	 orange-brown
Poirrier blue	11.0-13.0	 blue	 violet-rose
Clayton's yellow O	12.0-13.0	 yellow	 red
Trinitrobenzoic acid	12.0-13.4	 colourless	 orange-red
Indigo carmine dried	11.5-13.0	 blue	 yellow
Epsilon blue	11.6-13.0	 orange	 violet

COLOUR INDEX

Colour Index	Colour Index Name	Commercial Name	Synonyms Index
10316	Acid Yellow 1	Naphthol yellow S	Acid yellow S
11020	Solvent Yellow 1,2	Methyl yellow	
11270	Basic Orange 2	Chrysoidin Y	Brown salt R
12055	Solvent Yellow 14	Sudan yellow	Sudan I Sudan yellow R
12140	Solvent Orange 7	Sudan II	Sudan red Sudan Orange RR
13020	Acid Red 2	Methyl red	
13025	Acid Orange 52	Methyl orange	Orange III Helianthin
13065	Acid Yellow 36	Methanyl yellow	Tropaeolin G
13080	Acid Orange 5	Tropaeolin OO	Orange IV
14030	Mordant orange 1	Alizarin yellow R	Alizarin yellow G Orange R
14270	Acid Orange 6	Tropaeolin O	Tropeolina Y
14645	Mordant black 11	Heriochrome black T	Superchrome black T
15510	Acid Orange 7	Orange II	Tropaeolin 000
15705	Mordant black 17	Calcon	Palatine chrome black Eriochrome blue black B
16150	Acid red 26	Ponceau de Xilidine	Ponceau 2 R Brilliant Ponceau
16185	Acid Red 27	Amaranth	Naphthol red S, C o O Solid red O
16230	Acid Orange 10	Orange G	Orange GG
16570	Acid red 29	Chromotrope 2R	Acid phloxin GR
19140	Acid yellow 23	Tartrazine	Acid yellow T
19540	Direct yellow 9	Titan yellow	Thiazole yellow G Clayton yellow
20470	Acid Black 1	Naphthalene black 12 B	Naftol blue black Amido black 10B Pontacyl black blue SX
21010	Basic brown 4	Bismark Brown R	Vesuvine BL
22120	Direct red 28	Congo red	Cotton redB
23850	Direct blue 14	Trypan blue	Congo blue 3B
23860	Direct blue 53	Evans blue	Diazol pure blue Geigy blue 536 med
24890	Direct yellow 4	Brilliant yellow	Yellow paper
26050	Solvent red 19	Sudan red 7B	Fast red 7B
26100	Solvent red 23	Sudan III	
26105	Solvent red 24	Sudan IV	Scarlett R (Michaelis) Fat ponceau
26125	Solvent red 27	Oil red O	Sudan red 5B
26150	Solvent black 3	Sudan black B	Ceres black BN
26905	Acid red 66	Scarlett Biebrich	Imperial scarlett Brilliant ponceau S Ponceau red BS
27195	Acid red 112	Ponceau red S	Java scarlet
37025	Azoic Diazo No. 6	o-Nitroaniline	Orange GRS
37030		m-Nitroaniline	
37035	Azoic Diazo No. 37	p-Nitroaniline	Nitrazol CF Nitrosamine red
37235	Azoic diazo N. 48	Fast blue B salt	Dianisidine blue Diazo blue B salt Blue salt BNS
41000	Basic yellow 2	Auramine O	Pyoctanine yellow
42000	Basic green 4	Malachite green	Vittoria green B China green
42040	Basic green 1	Brilliant green	Aniline green Diamone green Emerald green
42045	Acid blu 1	Eriogalucine	Disulphine blue V Sulphon blue
42053	Food green 3	Fast green FCF	
42090	Acid Blue 9	Erioglaucine	Alphazurine FG
42095	Acid green 5	Light green SF	Acid green F Acid green G Lissamine green SF
42135	Acid blue 147	Xilencyanol FF	Cyanol FF
42510	Basic violet 14	Rosanilin	Fuchsin brilliant
		Basic fuchsin	Rosaniline hydrochloride Magenta I
42535	Basic violet 1	Gentian violet	Methyl violet 2R

Colour Index	Colour Index Name	Commercial Name	Synonyms Index
42535	Basic violet 1	Violetto Metile 2 B	
42555	Basic violet 3	Crystal violet	Methyl violet 6B
42556	Basic green	Iodine green	
42563	Basic blue 8	Vittoria blue 4R	Fast Blue 4R
42585	Basic blue 20	Methyl green	
42600	Basic violet 4	Ethyl violet	Ethyl purple 6B
42655	Acid blue 90	Brilliant Indocyanin G	Coomassie brilliant blue G250 Eriodin Cyanin brilliant G
42660	Acid blue 83	Brilliant Indocyanin 6 B	Coomassie brilliant blue R Brilliant acid cyanine 6B
42685	Acid violet 19	Acid fuchsin	Fuchsin S Rubin S Acid Magenta
42755	Acid blue 22	Aniline blue (water soluble)	China blue Cotton blue Blu di Hofman Opal blue Water blue I
42765	Acid blue 119	Alkali blue 6B	Reflex blue AG
42775	Solvent blue 3	Aniline blue (alcohol soluble)	Light blue Lyon's blue Paris blue Gentian blue
42780	Acid blue 93	Methyl blue	Helvetia blue Soluble blue 8B Poirier's blue C4B
43800		Rosolic acid sodiu salt	Aurine (water soluble) Corollin (water soluble)
43820	Mordant blue 3	Chromoxane canine R	Cyanin R Solochrome Eriochrome canine R
43825	Mordant blue 29	Cromoxane pure blue BLD	Cromeazurol S
45005	Basic dye	Pyronine G	Pyronine Y
45170	Basic violet 10	Rhodamine B	Rhodamine O Brilliant rhodamine B
45350	Acid yellow 73	Fluorescein sodium salt	Uranin
45380	Acid red 87	Eosin Y (yellowish)	Tetrabromofluoresceina sodica
45386	Solvent red 45	Ethyl Eosin (alcohol soluble)	Eosin S
45400	Acid red 91	Eosina B (blue shade)	Eosin scarlet
45410	Acid red 92 (soluble in acqua)	Phloxin B	Cyanosin Magdala red Tetrabromotetrachlorofluoroscein Sodium salt
45430	Acid red 51	Erythrosin B	Erythrosin J
45440	Acid red 94	Rose Bengal	
46005	Basic orange 14	Acridine orange	Euchrysin
49700		Indophenol	Indophenol blue
50040	Basic red 5	Neutral red	Tolulene red Neophospine
50240	Basic red 2	Safranine O	Cotton red
50420	Acid black 2	Nigrosine (water soluble)	Aniline blue black
51010	Basic dye	Brilliant cresyl blue	Cresyl blue BBS
51050	Mordant Blue 14	Celestine blue B	Coerin 2R
51180	Basic blue 12	Nilo blue A	Nilo blue BX
52000	Basic violet	Thionine acetate	Lauth's violet
52015	Basic blue 9	Methylene blue	
52040	Basic blue 17	Toluidine blue	
56085	Mordant dye	Murexide	
58000	Mordant red 11	Alizarin	
58005	Mordant red 3	Alizarin red S	
58500	Mordant violet-26	Quinizarin	Alizarin orange A Alizarina cianina 3R
60760	Pigment dyes	Nuclear fast red	Calcium red Kerneckrot Helio fast rubin BBL
61515	Solvent blue 19	Blu Oracet B	
73000	Vat blue 1	Indigo	Indigo blue
73015	Acid blue 74	Indigo carmine	Sodium indigo disulphonate
74240	Ingrain blue 1	Alcian blue 8GX	Alcian blue
75290	Natural black 1	Hematoxylin	Hematein
75300	Natural yellow 3	Curcumin	Curcuma
75470	Natural red 4	Acido carminico	Carminio Cocciniglia
75660	Natural Yellow 11	Morin	Fustic

SOLUTIONS CHEMISTRY

Freezing mixtures

Mixture	Solution concentration	Temperature °C
Ammonium chloride	solution 23 %	- 3° C
Potassium chloride	solution 20 %	- 12° C
Ammonium nitrate	solution 50 %	- 15° C
Sodium chloride	solution 25 %	- 21° C
Sodium nitrate	solution 33 %	- 24° C
Calcium chloride 6 H ₂ O	solution 62 % - with ice	- 39° C
Calcium chloride 6 H ₂ O	solution 59 % - with ice	- 55° C
Methanol or Acetone with dry ice		- 77° C

Molarity and normality chart for common acid and base solutions

Acid	Molarity	Normality	Volume required for a liter	
			1 M solution	1 N solution
Acetic acid 99.5%	17,4 M	17,4 N	57,5 ml	57,5 ml
Ammonia sol. 25%	13,2 M	13,2 N	75,6 ml	75,6 ml
Ammonia sol. 35%	18,5 M	18,5 N	54,0 ml	54,0 ml
Hydrochloric acid 37%	11,6 M	11,6 N	85,8 ml	85,8 ml
Hydrochloric acid 32%	10,2 M	10,2 N	98,2 ml	98,2 ml
Hydrofluoric acid 40%	22,6 M	22,6 N	44,2 ml	44,2 ml
Nitric acid 70%	15,7 M	15,7 N	63,7 ml	63,7 ml
Phosphoric acid 85%	14,7 M	44,2 N	67,8 ml	22,6 ml
Sulphuric acid 96%	18,0 M	36,0 N	55,5 ml	27,8 ml

Miscibility table

Xylene	Trichloroethylene	Toluene	Tetrahydrofurane	Pentane	Methyl-tert-butyl ether	Methyl-ethyl ketone	Isoctane	Ethyl Acetate	Hexane	Heptane	Dioxane	Dimethylsulfoxide	Dimethylformamide	Diethylether	Dichloromethane	1,2-Dichloroethane	Chloroform	Cyclohexane	Butyl Acetate	Benzene	n-propanol	n-butanol	Methanol	Isopropanol	Ethanol	Water	Acetonitrile	Acetone	Solvent	b.p. (°C)	UV (nm) cut off 1AU	d (g/ml) at 20°C	Refractive index at 20°C	Viscosity (cP) at 20°C
																													Acetone	56	330	0,786	1,359	0,32
																													Acetonitrile	82	190	0,786	1,344	0,37
																													Water	100	190	0,998	1,333	1,00
																													Ethanol	78	210	0,789	1,360	1,20
																													Isopropanol	82	205	0,785	1,377	2,30
																													Methanol	65	205	0,791	1,329	0,60
																													n-butanol	125	215	0,81	1,394	0,73
																													n-propanol	97	210	0,803	1,384	2,27
																													Benzene	80	280	0,879	1,501	0,65
																													Butyl Acetate	125	254	0,882	1,399	2,98
																													Cyclohexane	81	200	0,779	1,426	1,00
																													Chloroform	61	245	1,498	1,946	0,57
																													1,2-Dichloroethane	84	225	1,257	1,444	0,79
																													Dichloromethane	41	233	1,326	1,424	0,44
																													Diethylether	35	215	0,713	1,353	0,23
																													Dimethylformamide	155	268	0,944	1,431	0,85
																													Dimethylsulfoxide	189	268	1,092	1,478	2,24
																													Dioxane	101	215	1,033	1,422	1,54
																													Heptane	98	200	0,684	1,387	0,41
																													Hexane	69	195	0,655	1,375	0,31
																													Ethyl Acetate	77	256	0,894	1,372	0,45
																													Isoctane	99	215	0,692	1,392	0,51
																													Methyl-ethyl ketone	80	329	0,806	1,379	0,45
																													Methyl-tert-butyl ether	55	210	0,741	1,369	0,27
																													Pentane	36	190	0,626	1,358	0,23
																													Tetrahydrofurane	65	212	0,886	1,407	0,55
																													Toluene	111	284	0,867	1,496	0,59
																													Trichloroethylene	87	273	1,462	1,477	0,57
																													Xylene	139	288	0,861	1,500	0,61

■ full square means immiscible

CONVERSION TABLES

US and British measuring units and conversion factors

Length

1 mil	=	25,4 µm
1 inch	=	2,54000 centimetres
1 foot	=	30,48006 centimetres
1 yard	=	0,91440 metres
1 mile	=	1609,34 metres
1 mile (nautical)	=	1853,25 metres
1 millimetre	=	0,03937 inches
1 centimetre	=	0,3937 inches
1 metre	=	39,37 inches
1 metre	=	3,2028 fouts
1 metre	=	1,09361 yards
1 kilometer	=	0,62136 miles
1 kilometer	=	0,53959 miles (nautical)

Volume

1 cubic inch	=	16,38716 cubic centimetres
1 cubic foot	=	28,31625 cubic decimetres
1 cubic yard	=	0,76456 cubic metres
1 cubic centimetre	=	0,06102 cubic inches
1 cubic decimetre	=	0,03531 cubic fouts
1 cubic metre	=	1,30794 cubic yards

Capacity

1 quart (USA liquid)	=	0,94633 liters
1 gallon (USA)	=	3,78533 liters
1 barrel (USA)	=	0,11562 cubic metres
1 quart (UK)	=	1,13650 litres
1 gallon (UK)	=	4,5596 litres
1 barrel (UK)	=	0,16366 cubic metres
1 litre	=	1,056681 quarts (USA)
1 litre	=	0,264177 gallons (USA)
1 litre	=	0,87990 quarts (UK)
1 litre	=	0,219976 gallons (UK)

Weight (Mass)

1 grain	=	64,80 milligrams
1 dramma	=	1,772 grams
1 ounce (US)	=	28,3495 grams
1 pound	=	453,5924 grams
1 ton (short) (US)	=	907,18486 kilograms
1 ton (long) (UK)	=	1016,0470 kilograms
1 grams	=	15,4324 grains
1 gram	=	0,03527 ounces
1 kilogram	=	2,20462 pounds
1 metric ton.	=	1,10231 short tons (US)
1 metric ton	=	0,98420 long tons (UK)

Concentrations

%	ppm		ppb		ppt		Potency	Proportion
	g/kg	mg/kg	µg/kg	ng/kg	ng/kg	pg/kg		
	mg/g	µg/g	ng/g	pg/g	fg/g			
	µg/mg	ng/mg	pg/mg					
1	10	10.000				1 x 10 ⁻²	1: 100	
0,5	5	5.000				5 x 10 ⁻³	1: 500	
0,1	1	1.000				1 x 10 ⁻³	1: 1.000	
0,05	0,5	500				5 x 10 ⁻⁴	1: 5.000	
0,01	0,1	100				1 x 10 ⁻⁴	1: 10.000	
0,005	0,05	50				5 x 10 ⁻⁵	1: 50.000	
0,001	0,01	10	10.000			1 x 10 ⁻⁵	1: 100.000	
0,000.5	0,005	5	5.000			5 x 10 ⁻⁶	1: 500.000	
0,000.1	0,001	1	1.000			1 x 10 ⁻⁶	1: 1.000.000	
0,000.05	0,0005	0,5	500			5 x 10 ⁻⁷	1: 5.000.000	
0,000.01	0,000.1	0,1	100			1 x 10 ⁻⁷	1: 10.000.000	
0,000.001	0,000.01	0,01	10	10.000		1 x 10 ⁻⁸	1: 100.000.000	
0,000.0001	0,000.001	0,001	1	1.000		1 x 10 ⁻⁹	1: 1.000.000.000	
			0,1	100		1 x 10 ⁻¹⁰	1: 10.000.000.000	
			0,01	10		1 x 10 ⁻¹¹	1: 100.000.000.000	
			0,001	1		1 x 10 ⁻¹²	1: 1.000.000.000.000	

Transmittance vs Absorbance unit

% T	A.U.	% T	A.U.	% T	A.U.	% T	A.U.	% T	A.U.	% T	A.U.
0.5	2.301	17.5	0.757	34.5	0.462	51.5	0.288	68.5	0.164	85.5	0.068
1.0	2.000	18.0	0.745	35.0	0.456	52.0	0.284	69.0	0.161	86.0	0.066
1.5	1.824	18.5	0.733	35.5	0.450	52.5	0.280	69.5	0.158	86.5	0.063
2.0	1.699	19.0	0.721	36.0	0.444	53.0	0.276	70.0	0.155	87.0	0.060
2.5	1.620	19.5	0.710	36.5	0.438	53.5	0.271	70.5	0.152	87.5	0.058
3.0	1.523	20.0	0.699	37.0	0.432	54.0	0.268	71.0	0.149	88.0	0.056
3.5	1.469	20.5	0.688	37.5	0.426	54.5	0.263	71.5	0.146	88.5	0.053
4.0	1.398	21.0	0.678	38.0	0.420	55.0	0.260	72.0	0.143	89.0	0.051
4.5	1.347	21.5	0.667	38.5	0.414	55.5	0.256	72.5	0.140	89.5	0.048
5.0	1.301	22.0	0.658	39.0	0.409	56.0	0.252	73.0	0.137	90.0	0.046
5.5	1.260	22.5	0.647	39.5	0.403	56.5	0.248	73.5	0.134	90.5	0.043
6.0	1.222	23.0	0.638	40.0	0.398	57.0	0.244	74.0	0.131	91.0	0.041
6.5	1.187	23.5	0.628	40.5	0.392	57.5	0.240	74.5	0.128	91.5	0.039
7.0	1.155	24.0	0.620	41.0	0.387	58.0	0.237	75.0	0.125	92.0	0.036
7.5	1.125	24.5	0.611	41.5	0.382	58.5	0.233	75.5	0.122	92.5	0.034
8.0	1.097	25.0	0.602	42.0	0.377	59.0	0.229	76.0	0.119	93.0	0.032
8.5	1.071	25.5	0.593	42.5	0.372	59.5	0.225	76.5	0.116	93.5	0.030
9.0	1.046	26.0	0.585	43.0	0.367	60.0	0.222	77.0	0.114	94.0	0.027
9.5	1.022	26.5	0.577	43.5	0.361	60.5	0.218	77.5	0.111	94.5	0.025
10.0	1.000	27.0	0.569	44.0	0.357	61.0	0.215	78.0	0.108	95.0	0.022
10.5	0.979	27.5	0.561	44.5	0.351	61.5	0.211	78.5	0.105	95.5	0.020
11.0	0.959	28.0	0.553	45.0	0.347	62.0	0.208	79.0	0.102	96.0	0.018
11.5	0.943	28.5	0.545	45.5	0.342	62.5	0.204	79.5	0.099	96.5	0.015
12.0	0.921	29.0	0.538	46.0	0.337	63.0	0.201	80.0	0.097	97.0	0.013
12.5	0.903	29.5	0.530	46.5	0.332	63.5	0.197	80.5	0.094	97.5	0.011
13.0	0.886	30.0	0.523	47.0	0.327	64.0	0.194	81.0	0.092	98.0	0.009
13.5	0.870	30.5	0.516	47.5	0.323	64.5	0.190	81.5	0.089	98.5	0.006
14.0	0.854	31.0	0.509	48.0	0.319	65.0	0.187	82.0	0.086	99.0	0.004
14.5	0.838	31.5	0.502	48.5	0.314	65.5	0.184	82.5	0.083	99.5	0.002
15.0	0.824	32.0	0.495	49.0	0.310	66.0	0.180	83.0	0.081	100.0	0.000
15.5	0.810	32.5	0.488	49.5	0.305	66.5	0.177	83.5	0.078		
16.0	0.796	33.0	0.482	50.0	0.301	67.0	0.174	84.0	0.076		
16.5	0.782	33.5	0.475	50.5	0.297	67.5	0.171	84.5	0.073		
17.0	0.770	34.0	0.469	51.0	0.292	68.0	0.168	85.0	0.071		

Baumé vs specific gravity

Conversion rules at a temperature of 60°F:

For liquids more dense than water:

$$\text{s.g.} = \frac{145}{145 - \text{degrees Baumé}}$$

For liquids less dense than water:

$$\text{s.g.} = \frac{140}{130 + \text{degrees Baumé}}$$

°Be	Specific gravity	°Be	Specific gravity	°Be	Specific gravity	°Be	Specific gravity	°Be	Specific gravity	°Be	Specific gravity
103,33	0,60	36,67	0,84	10,74	1,08	34,73	1,32	51,45	1,55	63,77	1,79
101,40	0,61	35,68	0,85	11,36	1,09	35,15	1,32	51,75	1,56	63,99	1,79
99,51	0,61	34,71	0,85	11,97	1,09	35,57	1,33	52,05	1,56	64,22	1,80
97,64	0,62	33,74	0,86	12,58	1,10	35,98	1,33	52,35	1,57	64,44	1,80
95,81	0,62	32,79	0,86	13,18	1,10	36,39	1,34	52,64	1,57	64,67	1,81
94,00	0,63	31,85	0,87	13,78	1,11	36,79	1,34	52,94	1,58	64,89	1,81
92,22	0,63	30,92	0,87	14,37	1,11	37,19	1,35	53,23	1,58	65,11	1,82
90,47	0,64	30,00	0,88	14,96	1,12	37,59	1,35	53,52	1,59	65,33	1,82
88,75	0,64	29,09	0,88	15,54	1,12	37,99	1,36	53,81	1,59	65,55	1,83
87,05	0,65	28,19	0,89	16,11	1,13	38,38	1,36	54,09	1,60	65,77	1,83
85,38	0,65	27,30	0,89	16,68	1,13	38,77	1,37	54,38	1,60	65,98	1,84
83,74	0,66	26,42	0,90	17,25	1,14	39,16	1,37	54,66	1,61	66,20	1,84
82,12	0,66	25,56	0,90	17,81	1,14	39,55	1,38	54,94	1,61	66,41	1,85
80,53	0,67	24,70	0,91	18,36	1,15	39,93	1,38	55,22	1,62	66,62	1,85
78,96	0,67	23,85	0,91	18,91	1,15	40,31	1,39	55,49	1,62	66,83	1,86
77,41	0,68	23,01	0,92	19,46	1,16	40,68	1,39	55,77	1,63	67,04	1,86
75,88	0,68	22,17	0,92	20,00	1,16	41,06	1,40	56,04	1,63	67,25	1,87
74,38	0,69	21,35	0,93	20,54	1,17	41,43	1,40	56,31	1,64	67,46	1,87
72,90	0,69	20,54	0,93	21,07	1,17	41,80	1,41	56,59	1,64	67,67	1,88
71,44	0,70	19,73	0,94	21,60	1,18	42,16	1,41	56,85	1,65	67,87	1,88
70,00	0,70	18,94	0,94	22,12	1,18	42,53	1,42	57,12	1,65	68,08	1,89
68,58	0,71	18,15	0,95	22,64	1,19	42,89	1,42	57,39	1,66	68,28	1,89
67,18	0,71	17,37	0,95	23,15	1,19	43,25	1,43	57,65	1,66	68,48	1,90
65,80	0,72	16,60	0,96	23,66	1,20	43,60	1,43	57,91	1,67	68,68	1,90
64,44	0,72	15,83	0,96	24,17	1,20	43,95	1,44	58,17	1,67	68,88	1,91
63,10	0,73	15,08	0,97	24,67	1,21	44,31	1,44	58,43	1,68	69,08	1,91
61,78	0,73	14,33	0,97	25,17	1,21	44,65	1,45	58,69	1,68	69,28	1,92
60,48	0,74	13,59	0,98	25,66	1,22	45,00	1,45	58,95	1,69	69,48	1,92
59,19	0,74	12,86	0,98	26,15	1,22	45,34	1,46	59,20	1,69	69,68	1,93
57,92	0,75	12,13	0,99	26,63	1,23	45,68	1,46	59,45	1,70	69,87	1,93
56,67	0,75	11,41	0,99	27,11	1,23	46,02	1,47	59,71	1,70	70,06	1,94
55,43	0,76	10,70	1,00	27,59	1,24	46,36	1,47	59,96	1,71	70,26	1,94
54,21	0,76	0,72	1,01	28,06	1,24	46,69	1,48	60,20	1,71	70,45	1,95
53,01	0,77	1,44	1,01	28,53	1,25	47,03	1,48	60,45	1,72	70,64	1,95
51,82	0,77	2,14	1,02	29,00	1,25	47,36	1,49	60,70	1,72	70,83	1,96
50,65	0,78	2,84	1,02	29,46	1,26	47,68	1,49	60,94	1,73	71,02	1,96
49,49	0,78	3,54	1,03	29,92	1,26	48,01	1,50	61,18	1,73	71,21	1,97
48,34	0,79	4,22	1,03	30,38	1,27	48,33	1,50	61,43	1,74	71,40	1,97
47,22	0,79	4,90	1,04	30,83	1,27	48,65	1,51	61,67	1,74	71,58	1,98
46,10	0,80	5,58	1,04	31,27	1,28	48,97	1,51	61,91	1,75	71,77	1,98
43,91	0,81	6,24	1,05	31,72	1,28	49,29	1,52	62,14	1,75	71,95	1,99
42,84	0,81	6,90	1,05	32,16	1,29	49,61	1,52	62,38	1,76	72,14	1,99
41,78	0,82	7,56	1,06	32,60	1,29	49,92	1,53	62,61	1,76	72,32	2,00
40,73	0,82	8,21	1,06	33,03	1,30	50,23	1,53	62,85	1,77	72,50	2,00
39,70	0,83	8,85	1,07	33,46	1,30	50,54	1,54	63,08	1,77		
38,67	0,83	9,49	1,07	33,89	1,31	50,84	1,54	63,31	1,78		
37,66	0,84	10,12	1,08	34,31	1,31	51,15	1,55	63,54	1,78		

Normality and Molarity chart for common volumetric solutions

Volumetric solution	Normality	Molarity
Acetic acid	0.01 N	0.01 M
Acetic acid	0.1 N	0.1 M
Ammonium thiocyanate	0.01 N	0.01 M
Ammonium thiocyanate	0.1 N	0.1 M
Bromine	0.1 N	0.05 M
Cerium (IV) sulphate	0.1 N	0.1 M
EDTA sodium salt	0.2 N	0.1 M
EDTA sodium salt	0.1 N	0.05 M
EDTA sodium salt	0.02 N	0.01 M
Hydrochloric acid	0.01 N	0.01 M
Hydrochloric acid	0.1 N	0.1 M
Hydrochloric acid	0.5 N	0.5 M
Hydrochloric acid	1 N	1 M
Hydrochloric acid	2 N	2 M
Iodine	0.01 N	0.005 M
Iodine	0.1 N	0.05 M
Iodine	1 N	0.5 M
Litium methoxide	0.1 N	0.1 M
Mercuric perchlorate	0.01 N	0.01 N
Nitric acid	0.1 N	0.1 M
Nitric acid	1 N	1 M
Oxalic acid	0.01 N	0.005 M
Oxalic acid	0.1 N	0.05 M
Oxalic acid	1 N	0.5 M
Perchloric acid	0.01 N	0.01 M
Perchloric acid	0.1 N	0.1 M
Potassium bromate	0.1 N	0.0167 M
Potassium dichromate	0.1 N	0.0167 M
Potassium hydr. phtalate	0.1 N	0.1 M
Potassium hydroxide	0.1 N	0.1 M
Potassium hydroxide	0.25 N	0.25 M

Volumetric solution	Normality	Molarity
Potassium hydroxide	0.5 N	0.5 M
Potassium hydroxide	1 N	1 M
Potassium iodate	0.01 N	0.00167 M
Potassium iodate	0.1 N	0.0167 M
Potassium permanganate	0.01 N	0.002 M
Potassium permanganate	0.1 N	0.02 M
Potassium permanganate	1 N	0.2 M
Potassium thiocyanate	0.1 N	0.1 M
Silver nitrate	0.01 N	0.01 M
Silver nitrate	0.1 N	0.1 M
Silver nitrate	1 N	1 M
Sodium arsenite	0.1 N	0.05 M
Sodium carbonate	0.1 N	0.05 M
Sodium carbonate	1 N	0.5 M
Sodium chloride	0.1 N	0.1 M
Sodium hydroxide	0.01 N	0.01 M
Sodium hydroxide	0.1 N	0.1 M
Sodium hydroxide	0.25 N	0.25 M
Sodium hydroxide	1/2.82 N	1/2.82 M (0.357 mol/l)
Sodium hydroxide	0.5 N	0.5 M
Sodium hydroxide	1 N	1 M
Sodium hydroxide	2 N	2 M
Sodium thiosulphate	0.01 N	0.01 M
Sodium thiosulphate	0.1 N	0.1 M
Sodium thiosulphate	1 N	1 M
Sulphuric acid	0.01 N	0.005 M
Sulphuric acid	0.1 N	0.05 M
Sulphuric acid	0.5 N	0.25 M
Sulphuric acid	1 N	0.5 M
Sulphuric acid	2 N	1 M

Mesh size conversion table

Mesh size	Micron size approximate	Millimeters approximate	Inches
4	4760	4,760	0,185
6	3360	3,360	0,131
8	2380	2,380	0,093
12	1680	1,680	0,065
16	1190	1,190	0,046
20	840	0,840	0,0328
30	590	0,590	0,0232
40	420	0,420	0,0164
50	297	0,297	0,0116
60	250	0,250	0,0097
70	210	0,210	0,0082
80	177	0,177	0,0069
100	149	0,149	0,0058
140	105	0,105	0,0041
200	74	0,074	0,0029
230	62	0,062	0,0024
270	53	0,053	0,0021
325	44	0,044	0,0017
400	37	0,037	0,0015
625	20	0,020	0,0008
1250	10	0,010	0,0004
2500	5	0,005	0,0002

SAFETY IN THE LABORATORY

Alterable chemical products

The expiration date of all of our reagents is printed on both the label and the certificate of analysis. It applies to products stored in their original and intact packaging and away from heat and light as specified in the safety data sheet.

Once that an alterable product has been opened, the final user should determine the expiry date of the product basis on a risk analysis that includes the following parameters:

- Systematic risk
- Chemical risk
- Utilisation risk

Our range of products includes some alterable chemical products that, due to their own chemical properties, may be subject to an alteration during the time.

We indicate here below with some abbreviations the most common types of alteration found on our alterable products.

- A: Alterable molecule
- C: Colour change
- D: Deliquescent
- F: Interaction with the content
- ID: Hydrolisable
- IG: Hygroscopic
- M: Formation of an insoluble precipitation
- O: Oxidation
- P: Polymerisation

Products	Alterability	Products	Alterability	Products	Alterability
Diethylene Glycol dimethylether	O	Iodine trichloride	F	Salicylaldehyde	O-C
Diethylene Glycol monobutylether	O	Karl Fisher reagent	IG	Silver diethylcarbamate	C
Diethylene Glycol monoethylether	O	Lutidine (2,4)	C	Soda lime	A
Diethylether not stabilized	O	Magnesium perchlorate	IG	Sodium acetate anhydrous	IG
Diethylsulfate	ID-C	Magnesium peroxide	A	Sodium citrate tribasic anhydrous	IG
Dihydroxyacetone	ID-D	Methyl isobutylacetone	C	Sodium cyanide solution	A
Dimethylaminonaphthalene-5-sulfonyl chloride	ID	Methyldichloroacetate	ID	Sodium hydrate and hypochloride solution	A-O
Dimethylsulfate	ID-C	mono-Ethanolamine	C	Sodium hydrosulfite	O
Diphenylamine	C	n,n-Diethylaniline	C	Sodium hypochloride solution	A-O
Diphenyldithiocarbazide	O-C	n,n-Dimethylphenylenediamine	C	Sodium metabisulfite	O
Ergometrine maleate	A	n-Ethyl piperidine	C	Sodium methylate	ID
Ergometrine tartrate	A	Nitric acid fuming 90%	F	Sodium sulfide nonahydrate	C-IG
Ethyl formate	ID	n-Methylaniline	C	Starch solution 1%	M
Ethyl-5-methylpyridine-2	C	Orthophosphoric acid 99%	O	Strontium iodide	C
Ethylaniline	C	Orthophosphoric acid 99%	IG	Styrene	P
Ethylchloroacetate	O	p-Dimethylaminobenzaldehyde	C	Succinic anhydride	ID
Ethylene Glycol dimethylether	O	Phenol	C	Sulfuric acid 96%	C
Ethylene Glycol monoethylether	O	Phosphomolybdic acid	C	Sulphurous acid saturated solution	O
Ethylene Glycol monoethylether acetate	O	Phosphorous pentachloride	F	sym-Diphenylcarbazide	C
Ethylene Glycol monomethylether	O	Phosphorus pentoxide	IG	Sym-Tetrabromoethane	A
Formaldehyde 40% w/v	O-P	Picoline	C	Sym-Tetrachloroethane	A
Formic acid 99%	O	Piperidine	C	Tetrahydrofurfuryl alcohol	C-D
Furan	C-O	Piruvic acid	P	Tin chloride anhydrous	A
Furfural	C	Potassium ethyl xantogenate	ID	Titanium trichloride 15%	M
Furfuryl alcohol	C	Potassium metabisulfite	O	Trichloroacetic acid solution 20%	A
Gaiacol	C	p-Oxalate	C	Triphenylchloromethane	F
Hanus's reagent	A	p-phenetidin	C	Vitamin A acetate	A
Heptanal	O	Propionaldehyde	O	Vitamin A palmitate	A
Hydrazine hydroxyde	A	Propionitrile	C	Water chlorine saturated solution	A
Hydrazine solution	A	Protonaldehyde	C-O	Zinc oxide	IG
Hydrogen peroxide	A	p-Toluidine	C		
Hydrogen sulfide saturated solution	O-M	Pyridine hydrochloride	IG		
Hydroquinone monomethylether	O	Pyrrole	C		
		Pyrrolidine	C		

Incompatible chemical products

ACETIC ACID	Nitric acid Perchloric acid Alcohols Chromium oxide Ethylen glycol Permanganates Peroxides	CHROMIUM OXIDE	Acetic acid Alcohols Petroleum ether Canphor Glycerol Flammable liquids Naphthalin
HYDROFLUORIC ACID	Ammonia	PHOSPHORUS	Oxygenated combinations Sulphur
NITRIC ACID CONCENTRATED	Acetic acid Hydrocyanic acid Aniline Chromium oxide Hydrogen sulphide Flammable liquids and gasses	HYDROCARBONS	Bromine Chlorine Chromium oxide Fluorine Sodium peroxide
OXALIC ACID	Silver Mercury	IODINE	Acetylene Ammonia
PERCHLORIC ACID	Alcohols Acetic anhydride Bismuth and its alloys Paper Wood	FLAMMABLE LIQUIDS	Nitric acid Halogens Ammonium nitrate Chromium oxide Hydrogen peroxide Sodium peroxide
SULPHURIC ACID	Potassium chlorate Potassium perchlorate Potassium permanganate	MERCURY	Acetylene Ammonia
AMMONIA	Hydrofluoric acid Bromine Chlorine Iodine Calcium hypochlorite Mercury	ALKALY METALS	Water Halogens Carbon dioxide Carbon tetrachloride other Halogenated alkanes
AMMONIUM NITRATE	Acids Chlorates Flammable liquids Nitrates Metallic powders Flammable organic substances Sulphur	HYDROGEN PEROXIDE	Acetone Alcohols Aniline Chromium Copper Iridium Metals and metallic salts Nitromethane Organic substances Flammable substances
ANILINE	Nitric acid Hydrogen peroxide	POTASSIUM PERMANGANATE	Sulphuric acid Benzaldehyde Ethylen glycol Glycerol
SILVER	Acetylene Oxalic acid Tartaric acid Ammonium salts	COPPER	Acetylene Hydrogen peroxide
BROMINE AND CHLORINE	Acetylene Ammonia Benzene Petroleum ether Butadiene Butane Hydrogen Methane Propane Metallic powders	SODIUM PEROXIDE	Acetic acid Ethyl alcohol Methyl alcohol Acetic anhydride Benzaldehyde Ethyl acetate Ethylen glycol Furfural Carbon disulfide
CYANIDES	Acids		
CHLORATES	Acidi Metallic powders Ammonium salts Flammable organic substances Sulphur		

HAZARD STATEMENTS

H200	Unstable explosives.
H201	Explosive; mass explosion hazard.
H202	Explosive, severe projection hazard.
H203	Explosive; fire, blast or projection hazard.
H204	Fire or projection hazard.
H205	May mass explode in fire.
H220	Extremely flammable gas.
H221	Flammable gas.
H222	Extremely flammable aerosol.
H223	Flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H240	Heating may cause an explosion.
H241	Heating may cause a fire or explosion.
H242	Heating may cause a fire.
H250	Catches fire spontaneously if exposed to air.
H251	Self-heating; may catch fire.
H252	Self-heating in large quantities; may catch fire.
H260	In contact with water releases flammable gases which may ignite spontaneously.
H261	In contact with water releases flammable gases.
H270	May cause or intensify fire; oxidiser.
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H290	May be corrosive to metals.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H361	Suspected of damaging fertility or the unborn child.
H362	May cause harm to breast-fed children.
H370	Causes damage to organs.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure exposure cause the hazard.
H373	May cause damage to organs through prolonged or repeated exposure exposure cause the hazard.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

PRECAUTIONARY STATEMENTS

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source.
P220	Keep/Store away from clothing/... /combustible materials.
P221	Take any precaution to avoid mixing with combustibles...
P222	Do not allow contact with air.
P223	Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P230	Keep wetted with...
P231	Handle under inert gas.
P232	Protect from moisture.
P231+P232	Handle under inert gas. Protect from moisture.
P233	Keep container tightly closed.
P234	Keep only in original container.
P235	Keep cool.
P235+P410	Keep cool. Protect from sunlight.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P244	Keep reduction valves free from grease and oil.
P250	Do not subject to grinding/shock/.../friction.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P282	Wear cold insulating gloves/face shield/eye protection.
P283	Wear fire/flame resistant/retardant clothing.
P284	Wear respiratory protection.
P285	In case of inadequate ventilation wear respiratory protection.
P301	IF SWALLOWED.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302	IF ON SKIN.
P302+P334	IF ON SKIN: Gently wash with plenty of soap and water.
P302+P350	IF ON SKIN: Wash with plenty of soap and water.
P302+P352	IF ON SKIN: Immerse in cool water/wrap in wet bandages.
P303	IF ON SKIN (or hair).
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304	IF INHALED.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305	IF IN EYES.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306	IF ON CLOTHING.
P306+P360	IF ON CLOTHING: rinse immediately contaminated clothes and skin with plenty of water before removing clothes.
P307	IF exposed
P307+P311	IF exposed: Call a POISON CENTER or doctor/physician.

P308	IF exposed or concerned.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P309	IF exposed or if you feel unwell.
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P310	Immediately call a POISON CENTER or doctor/physician.
P311	Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P313	Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P315	Get immediate medical advice/attention.
P320	Specific treatment is urgent (see... on this label).
P321	Specific treatment (see ... on this label).
P322	Specific measures (see... on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332	If skin irritation occurs.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333	If skin irritation or rash occurs.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P334	Immerse in cool water/wrap in wet bandages.
P335	Brush off loose particles from skin.
P335+P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P336	Thaw frosted parts with lukewarm water. Do no rub affected area.
P337	If eye irritation persists.
P337+P313	If eye irritation persists: Get medical advice/attention.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P341	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342	If experiencing respiratory symptoms.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P350	Gently wash with plenty of soap and water.
P351	Rinse cautiously with water for several minutes.
P352	Wash with plenty of soap and water.
P353	Rinse skin with water/shower.
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P361	Remove/Take off immediately all contaminated clothing.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370	In case of fire.
P370+P376	In case of fire: Stop leak if safe to do so.
P370+P378	In case of fire: Use ... for extinction.
P370+P380	In case of fire: Evacuate area.
P370+P380+P375	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P371	In case of major fire and large quantities.
P371+P380+P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
P372	Explosion risk in case of fire.
P373	DO NOT fight fire when fire reaches explosives.
P374	Fight fire with normal precautions from a reasonable distance.
P375	Fight fire remotely due to the risk of explosion.
P376	Stop leak if safe to do so.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P378	Use ... for extinction.
P380	Evacuate area.
P381	Eliminate all ignition sources if safe to do so.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P401	Store ...
P402	Store in a dry place.
P402+P404	Store in a dry place. Store in a closed container.
P403	Store in a well-ventilated place.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P404	Store in a closed container.
P405	Store locked up.

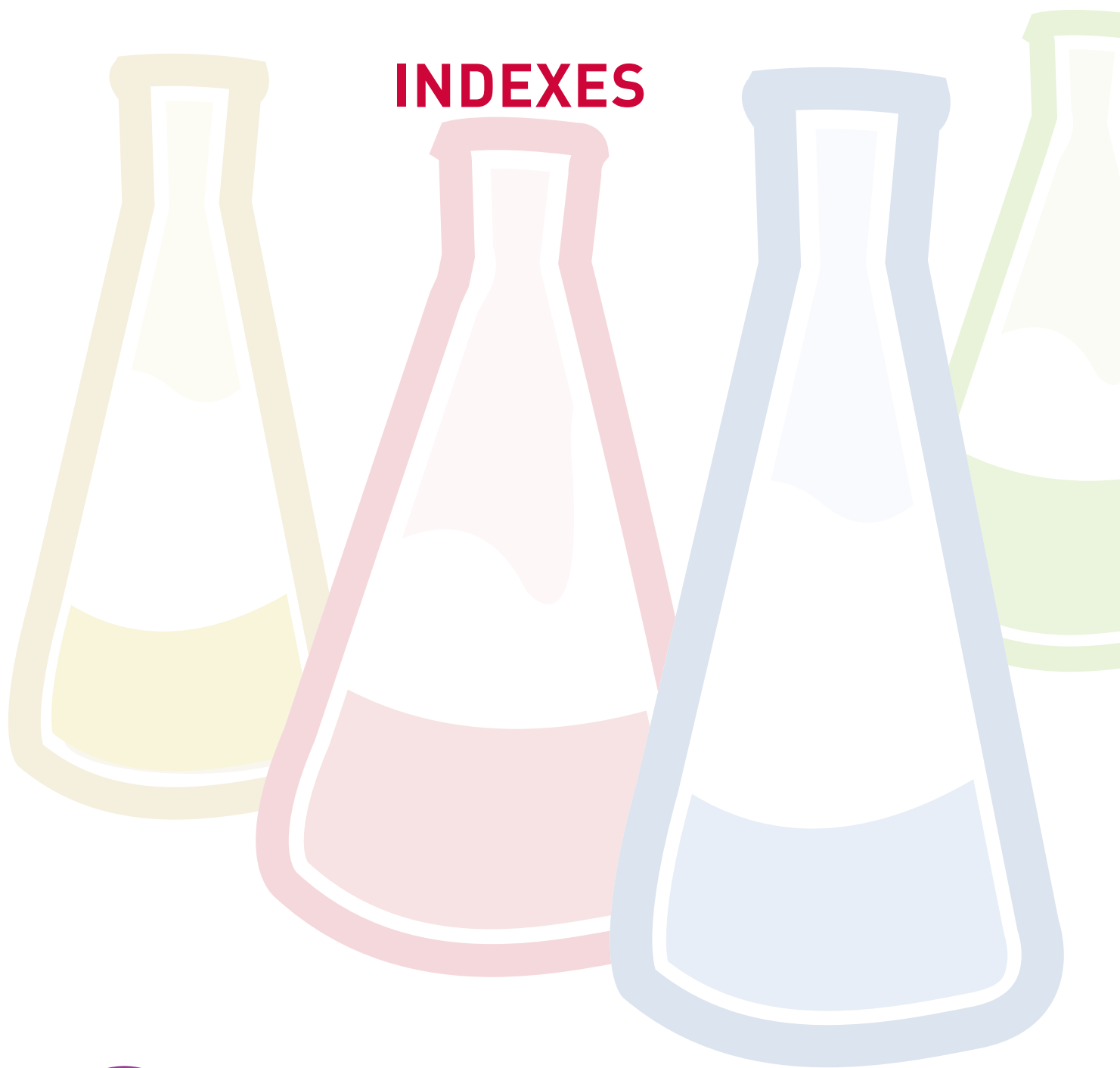
P406	Store in corrosive resistant/... container with a resistant inner liner.
P407	Maintain air gap between stacks/pallets.
P410	Protect from sunlight.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P411	Store at temperatures not exceeding ... °C.
P411+P235	Store at temperatures not exceeding ... °C.
P412	Do not expose to temperatures exceeding 50 °C/122 °F.
P413	Store bulk masses greater than ... kg.
P420	Store away from other materials.
P422	Store contents under ...
P501	Dispose of contents/container to ...

ADDITIONAL STATEMENTS

EUH 001	Explosive when dry.
EUH 006	Explosive with or without contact with air.
EUH 014	Reacts violently with water.
EUH 018	In use, may form flammable/explosive vapour-air mixture.
EUH 019	May form explosive peroxides.
EUH 029	Contact with water liberates toxic gas .
EUH 031	Contact with acids liberates toxic gas.
EUH 032	Contact with acids liberates very toxic gas.
EUH 044	Risk of explosion if heated under confinement.
EUH 059	Hazardous to the ozone layer.
EUH 066	Repeated exposure may cause skin dryness or cracking.
EUH 070	Toxic by eye contact.
EUH 071	Corrosive to the respiratory tract.
EUH 201	Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.
EUH 201A	Warning! Contains lead.
EUH 202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
EUH 203	Contains chromium (VI). May produce an allergic reaction.
EUH 204	Contains isocyanates. May produce an allergic reaction.
EUH 205	Contains epoxy constituents. May produce an allergic reaction.
EUH 206	Warning! Do not use together with other products. May release dangerous gases (chlorine).
EUH 207	Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.
EUH 208	Contains (name of sensitising substance). May produce an allergic reaction.
EUH 209	Can become highly flammable in use.
EUH 209A	Can become flammable in use.
EUH 201	Safety data sheet available on request.
EUH 401	To avoid risks to human health and the environment, comply with the instructions for use.



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307586	Water	788
307587	Water	788
307589	Water	788
307591	Water	788
307592	Water	788
307593	Water	788
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307606	Water purified	788
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308138	Benzyl alcohol	200
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308359	Cetyl alcohol	255
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3086642	Ethanol absolute anhydrous	333	313431	Tris (hydroxymethyl)- aminomethane	777	322738	Benzalkonium chloride	197
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334255	Chlorobenzene	259	344007	Iron (II) ammonium sulfate hexahydrate	429	348708	Lactose monohydrate	453
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337333	Dichloromethane	304	345355	Fluorescein sodium salt	357	349279	Magnesium carbonate basic	470
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405792	Formic acid 99%	363	406961	Hypophosphorous acid 50%	418	409553	Propionic acid	628
405793	Formic acid 99%	363	406962	Hypophosphorous acid 50%	418	409702	Rosolic acid	640
405794	Formic acid 99%	363	407261	Maleic acid	477	409773	Salicylic acid	642
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405824	Formic acid 99%	362	407316	DL-Malic acid	477	410051	Silicotungstic acid	652
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405833	Formic acid 85%	363	407421	D(-)Mandelic acid	478	410105	Sulfamic acid	727
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405842	1-Pentanesulphonic acid sodium salt	559	407467	Metaphosphoric acid	487	410156	Sulfanilic acid	728
405851	1-Heptanesulphonic acid sodium salt	383	407481	Methanesulfonic acid	487	410261	Sulfuric acid 96%	732
405852	1-Heptanesulphonic acid sodium salt	383	407483	Methanesulfonic acid	487	410301	Sulfuric acid 96%	732
405861	1-Octanesulphonic acid sodium salt	537	407914	Nicotinic acid	525	410302	Sulfuric acid 96%	732
405862	1-Octanesulphonic acid sodium salt	537	407951	Nitric acid 65%	531	410303	Sulfuric acid 96%	732
405863	1-Octanesulphonic acid sodium salt	537	407952	Nitric acid 65%	531	410304	Sulfuric acid 96%	732
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405872	1-Decanesulfonic acid sodium salt	290	408022	Nitric acid 65%	531	410307	Sulfuric acid 96%	732
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405892	1-Pentanesulphonic acid sodium salt monohydrate	560	408052	Nitric acid 67-69%	530	410381	Sulfuric acid 96%	732
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405931	1-Octanesulfonic acid sodium salt monohydrate	538	408101	Nitric acid 65%	531	410421	Sulfuric acid 98%	730
405932	1-Octanesulfonic acid sodium salt monohydrate	538	408102	Nitric acid 65%	531	410511000	Sulfuric acid 20%	736
405941	Dodecyltrimethylammonium bromide	325	408115	Nitric acid 67-70%	529	410516	Sulfuric acid 20%	736
405961	Orthophosphoric acid 99%	547	408116	Nitric acid 67-70%	529	410547000	Sulfuric acid 1 mol/l (2N)	738
405967	Orthophosphoric acid 99%	547	408117	Nitric acid 67-70%	529	410548000	Sulfuric acid 1 mol/l (2N)	738
405971	Tetrabutylammonium bisulfate	748	408142	Nitric acid fuming 99%	528	410571000	Sulfuric acid 0.5 mol/l (1N)	738
405972	Tetrabutylammonium bisulfate	748	408143	Nitric acid fuming 99%	528	410572000	Sulfuric acid 0.5 mol/l (1N)	738
406002	Orthophosphoric acid 85%	548	408151	Nitric acid 69.5%	528	410575000	Sulfuric acid 0.5 mol/l (1N)	738
406003	Orthophosphoric acid 85%	548	408152	Nitric acid 69.5%	528	410577000	Sulfuric acid 0.5 mol/l (1N)	738
406005	Orthophosphoric acid 85%	548	408171000	Nitric acid 1 mol/l (1N)	533	410591	Sulfuric acid 0.5 mol/l (1N)	738
406021	Orthophosphoric acid 85%	548	408176000	Nitric acid 1 mol/l (1N)	533	410634	Sulfuric acid 0.33 mol/l (2N/3)	738
406022	Orthophosphoric acid 85%	548	408185000	Nitric acid 2 mol/l (2N)	533	410662000	Sulfuric acid 0.25 mol/l (0.5N)	739
406053	Phosphonic acid	577	408191	Nitric acid 18%	532	410663000	Sulfuric acid 0.25 mol/l (0.5N)	739
406056	Phosphonic acid	577	408206000	Nitric acid 0.1 mol/l (0.1N)	533	410667000	Sulfuric acid 0.25 mol/l (0.5N)	739
406154	Phosphotungstic acid	578	408231	Nitric acid 0.1 mol/l (0.1N)	533	410681	Sulfuric acid 0.25 mol/l (0.5N)	739
406205	Phthalic acid	579	408242	Nitrioltriacetic acid	534	410711000	Sulfuric acid 0.05 mol/l (0.1N)	741
406284	Fumaric acid	365	408414	m-Nitrobenzoic acid	535	410712000	Sulfuric acid 0.05 mol/l (0.1N)	741
406287	Fumaric acid	365	408731	Oxalic acid dihydrate	550	410714000	Sulfuric acid 0.05 mol/l (0.1N)	741
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406336	Gallic acid monohydrate	367	408736	Oxalic acid dihydrate	550	410717000	Sulfuric acid 0.05 mol/l (0.1N)	741
406434	Glycolic acid	374	408737	Oxalic acid dihydrate	550	410731	Sulfuric acid 0.05 mol/l (0.1N)	741
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			408856	Oxalic acid 0.05 mol/l (0.1N)	551	410894	Sulfosalicylic acid	729
			408871	Oxalic acid 0.05 mol/l (0.1N)	551	410896	Sulfosalicylic acid	729
			408901	Oxalic acid 0.005 mol/l (0.01N)	551	411023	Succinic acid	725
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			409113	Perchloric acid 65%	561	411074	Tannic acid	744
			409121	Perchloric acid 65%	561	411076	Tannic acid	744
			409131	Perchloric acid 0.1 mol/l (0.1N) in acetic acid	562	411121	L(+) Tartaric Acid	745
			409136	Perchloric acid 0.1 mol/l (0.1N) in acetic acid	562	411125	L(+) Tartaric Acid	745
			409182	Periodic acid	563	411127	L(+) Tartaric Acid	745
			409184	Periodic acid	563	411271	2-Thiobarbituric acid	755
			409185	Periodic acid	563	411272	2-Thiobarbituric acid	755
			409193	Perchloric acid 65-71%	560	411385	Thioglycolic acid 80%	755
			409302	Picric acid solution	580	411432	p-Toluenesulfonic acid	768
			409305	Picric acid solution	580	411436	p-Toluenesulfonic acid	768
			409435	Pyrogallol	632	411504	p-Toluenesulfonic acid sodium salt	769
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411561	Trifluoroacetic acid	773
411564	Trifluoroacetic acid	773
411628	Tungstic acid	780
411981	Water chlorine	789
412011	Water	786
412031	Water + 0.1% v/v trifluoroacetic acid	789
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443801	sym-Diphenylcarbazine	323	446781	n-Heptane 99%	381	447792	Petroleum ether 30 - 40°C	569
444053	Diphenylthiocarbazine	323	446782	n-Heptane 99%	381	447793	Petroleum ether 30 - 40°C	569
444131	Differentiator for kit Gram-Hucker	311	446783	n-Heptane 99%	381	447795	Petroleum ether 30 - 40°C	569
444207	Digitonin	311	446785	n-Heptane 99%	381	447801	Petroleum ether 30 - 50°C	568
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444603	p-Dimethylaminobenzaldehyde	314	446831	n-Heptane 99%	382	447815	Petroleum ether 40 - 65°C	566
444604	p-Dimethylaminobenzaldehyde	314	446832	n-Heptane 99%	382	447816	Petroleum ether 40 - 65°C	566
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444991	N,N-Dimethylformamide	315	446932	n-Hexane	387	447932	Diisopropylether	312
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449672	Tetrachloroethylene	750	452112	Fluorescein sodium salt	357	454054	Propylene glycol	629
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449895	Kieselguhr composed	449	452271	Florisil 60-100 mesh	356	454131	Glyoxal-bis-(2-hydroxyanil)	374
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450038	o-Phenantroline monohydrate	569	452331	Florisil 60-100 mesh	356	454336	D(+)-Glucose anhydrous	370
450039	o-Phenantroline monohydrate	569	452332	Florisil 60-100 mesh	356	454337	D(+)-Glucose anhydrous	370
450328	L-Phenylalanine	572	452333	Florisil 60-100 mesh	356	454338	D(+)-Glucose anhydrous	370
450329	L-Phenylalanine	572	452351	Florisil 100-200 mesh	357	454441	Gram - Hucker Kit	376
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451271	Phenol	570	452814	Fuchsin acid	364	454915	Histolemon	390
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451452	Iron (II) ammonium sulfate hexahydrate	429	453273	Silica gel granular	650	455523	Hydroxylamine sulphate	417
451453	Iron (II) ammonium sulfate hexahydrate	429	453275	Silica gel granular	650	455525	Hydroxylamine sulphate	417
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451502	Iron (III) ammonium sulfate dodecahydrate	432	453278	Silica gel granular	650	455621	Indicator for iodometry	420
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451504	Iron (III) ammonium sulfate dodecahydrate	432	453315	Silica gel granular with indicator cobalt free	651	455801	Indole	423
451505	Iron (III) ammonium sulfate dodecahydrate	432	453317	Silica gel granular with indicator cobalt free	651	455853	Inositol	423
451507	Iron (III) ammonium sulfate dodecahydrate	432	453319	Silica gel granular with indicator cobalt free	651	455901	Inulin	424
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451575	Iron (II) chloride tetrahydrate	430	453336	Silica gel 60A 0,06÷0,20 mm	650	455954	Iodine resublimed	425
451576	Iron (II) chloride tetrahydrate	430	453337	Silica gel 60A 0,06÷0,20 mm	650	455955	Iodine resublimed	425
451625	Iron (III) chloride hexahydrate	433	453351	Silica gel 60A 35 - 70µ	649	455957	Iodine resublimed	425
451626	Iron (III) chloride hexahydrate	433	453352	Silica gel 60A 35 - 70µ	649	455959	Iodine resublimed	425
451627	Iron (III) chloride hexahydrate	433	453353	Silica gel 60A 35 - 70µ	649	456036000	Iodine 0.05 mol/l (0.1N)	425
451692	Iron (III) chloride anhydrous sublimed	433	453355	Silica gel 60A 35 - 70µ	649	456037000	Iodine 0.05 mol/l (0.1N)	425
451695	Iron (III) chloride anhydrous sublimed	433	453451	Alizarin yellow R	150	456051	Iodine 0.05 mol/l (0.1N)	426
451696	Iron (III) chloride anhydrous sublimed	433	453518	Clayton's yellow	270	456121	Iodine 0.005 mol/l (0.01N)	426
451722	Iron (III) nitrate nonahydrate	435	453519	Clayton's yellow	270	456135000	Iodine 0.5 mol/l (1N)	425
451723	Iron (III) nitrate nonahydrate	435	453542	Metanil yellow	487	456137000	Iodine 0.5 mol/l (1N)	425
451725	Iron (III) nitrate nonahydrate	435	453562	Naphthol yellow S	518	456641	Isooctane	440
451727	Iron (III) nitrate nonahydrate	435	453581	Sudan yellow	727	456732	Isooctane	440
451824	Iron (III) oxide	435	453582	Sudan yellow	727	456734	Isooctane	440
451826	Iron (III) oxide	435	453611	Giemsa's reagent	369	456753	Isooctane	439
451877	Iron (II) sulfate heptahydrate	430	453614	Giemsa's reagent	369	456754	Isooctane	439
451878	Iron (II) sulfate heptahydrate	430	453616	Giemsa's reagent	369	456791	Isooctane	439
451879	Iron (II) sulfate heptahydrate	430	453751	Glycerol (30°Bé)	372	456792	Isooctane	439
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451926	Iron (III) sulfate	435	453755	Glycerol (30°Bé)	372	456852	Histamine dihydrochloride	389
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452031	Phloroglucinol	574	453759	Glycerol (30°Bé)	372	456952	L-Histidine hydrochloride monohydrate	390
452033	Phloroglucinol	574	453771	Glycerol (30°Bé)	372	457502	Lanthanum nitrate hexahydrate	454
452051	Phloxin B	574	453772	Glycerol (30°Bé)	372	457506	Lanthanum nitrate hexahydrate	454
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			453881	2-(2-Butoxyethoxy)ethanol	228	457531	Amman's lactophenol solution	160
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			453906	Ethylene glycol	348	457625	Devarda's alloy	294
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			454023	2-Methoxy ethanol	495	457928	L(+)-Leucine	461
			454024	2-Methoxy ethanol	495	458001	Petroleum ether 75 - 120°C	565
			454028	2-Methoxy ethanol	495	458003	Petroleum ether 75 - 120°C	565
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458163	Lithium tetraborate anhydrous	465	459965	Manganese electrolytic	479	463311	Dichloromethane	303
458164	Lithium tetraborate anhydrous	465	460001	Manganese (II) acetate tetrahydrate	480	463314	Dichloromethane	303
458204	Lithium carbonate	463	460005	Manganese (II) acetate tetrahydrate	480	463318	Dichloromethane	303
458207	Lithium carbonate	463	460007	Manganese (II) acetate tetrahydrate	480	463332	Dichloromethane	301
458211	Lithium standard solution	462	460052	Manganese (IV) oxide	481	463342	Dichloromethane	301
458254	Lithium chloride	463	460055	Manganese (IV) oxide	481	463421	Selenic mixture	646
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458271	Lithium chloride	463	460158	Manganese (II) chloride tetrahydrate	480	463453	Morpholine	512
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458275	Lithium chloride	463	460307	Manganese (II) sulfate monohydrate	481	463609	Murexide	516
458281	Lithium hydroxide anhydrous	464	460352	D-Mannitol	481	463651	Naphthalene	517
458282	Lithium hydroxide anhydrous	464	460353	D-Mannitol	481	463654	Naphthalene	517
458292	Lithium hydroxide monohydrate	464	460355	D-Mannitol	481	463655	Naphthalene	517
458303	Lithium hydride	464	460357	D-Mannitol	481	463831	N-(1-Naphthyl)ethylenediamine dihydrochloride	518
458355	Lithium nitrate	465	460502	Mayer's reagent	482	463891	alpha-Naphtholbenzein	518
458356	Lithium nitrate	465	460511	Hematoxylin solution according to Mayer	379	463935	1-Naphthol	517
458404	Lithium sulfate monohydrate	465	460512	Hematoxylin solution according to Mayer	379	463984	2-Naphthol	517
458405	Lithium sulfate monohydrate	465	460513	Hematoxylin solution according to Mayer	379	463986	2-Naphthol	517
458741	Lugol concentrated solution	466	460515	Hematoxylin solution according to Mayer	379	464221	Eriochrome black T	330
458751	Lugol solution for Gram-Hucker kit	466	460581	May Grünwald reagent	482	464222	Eriochrome black T	330
458762	Lugol's Reagent Iodine-Iodide Solution	466	460584	May Grünwald reagent	482	464231	Nessler's reagent single solution	520
458763	Lugol's Reagent Iodine-Iodide Solution	466	460586	May Grünwald reagent	482	464232	Nessler's reagent single solution	520
458772	Luminol	467	460691	2-Mercaptoethanol	483	464241	Sudan black B	726
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459044	Magnesium, ribbon	468	461003	Mercury (II) chloride	485	464384	Nickel, powder	521
459066	Magnesium, powder	468	461105	Mercury (II) iodide	486	464422	Nessler's reagent solution A	520
459085	Magnesium, turnings	468	461325	Mercury (II) oxide red	486	464432	Nessler's reagent solution B	521
459131	Magnesium acetate tetrahydrate	470	461405	Mercury (II) sulfate	486	464474	Nickel (II) acetate tetrahydrate	522
459135	Magnesium acetate tetrahydrate	470	461805	4-Methylaminophenol sulfate	496	464476	Nickel (II) acetate tetrahydrate	522
459137	Magnesium acetate tetrahydrate	470	461943	Methyl isobutyl ketone	500	464477	Nickel (II) acetate tetrahydrate	522
459285	Magnesium carbonate basic	470	461945	Methyl isobutyl ketone	500	464545	Nickel (II) ammonium sulfate hexahydrate	523
459287	Magnesium carbonate basic	470	462017	Methyl acetate	496	464547	Nickel (II) ammonium sulfate hexahydrate	523
459331	Magnesium chloride hexahydrate	471	462207	Methyl benzoate	496	464604	Nickel (II) carbonate basic	523
459332	Magnesium chloride hexahydrate	471	462238	3-Methyl-2-benzothiazolinone hydrazine hydrochloride	497	464605	Nickel (II) carbonate basic	523
459334	Magnesium chloride hexahydrate	471	462601	Methyl iodide	500	464644	Nickel (II) chloride hexahydrate	523
459336	Magnesium chloride hexahydrate	471	462604	Methyl iodide	500	464645	Nickel (II) chloride hexahydrate	523
459337	Magnesium chloride hexahydrate	471	462701	Ethyl methyl ketone	350	464647	Nickel (II) chloride hexahydrate	523
459435	Magnesium hydrogen phosphate trihydrate	472	462702	Ethyl methyl ketone	350	464685	Nickel (II) nitrate hexahydrate	524
459437	Magnesium hydrogen phosphate trihydrate	472	462703	Ethyl methyl ketone	350	464686	Nickel (II) nitrate hexahydrate	524
459535	Magnesium nitrate hexahydrate	472	462704	Ethyl methyl ketone	350	464772	Nickel (II) sulfate hexahydrate	524
459536	Magnesium nitrate hexahydrate	472	462872	N-Methyl-2-pyrrolidone	503	464775	Nickel (II) sulfate hexahydrate	524
459537	Magnesium nitrate hexahydrate	472	462873	N-Methyl-2-pyrrolidone	503	464777	Nickel (II) sulfate hexahydrate	524
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459586	Magnesium oxide	473	462875	N-Methyl-2-pyrrolidone	503	464853	Nigrosine	525
459587	Magnesium oxide	473	462881	N-Methyl-2-pyrrolidone	502	464922	Ninhydrin	526
459617	Magnesium oxide	473	463001	Dichloromethane	303	464928	Ninhydrin	526
459662	Magnesium sulfate heptahydrate	475	463002	Dichloromethane	303	465142	m-Nitrobenzaldehyde	534
459665	Magnesium sulfate heptahydrate	475	463003	Dichloromethane	303	465222	Nitrobenzene	535
459666	Magnesium sulfate heptahydrate	475	463008	Dichloromethane	303	465744	p-Nitrophenol	535
459667	Magnesium sulfate heptahydrate	475	463025	Dichloromethane	302	466361	Nonylphenol ethoxylated 10 ETO	536
459669	Magnesium sulfate heptahydrate	475	463126	DL-Methionine	494	466753	Oil of cedar wood	538
459863	Maltose monohydrate	478	463161	Dichloromethane	303	466757	Oil of cedar wood	538
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			463251	Mix Diethyl ether/Ethanol 70/30 w/w	507	466783	Immersion oil	420
			463255	Mix Diethyl ether/Ethanol 70/30 w/w	507	466792	Paraffin oil	555
						466831	Holmium oxide	391
						466858	Orcein	540
						466859	Orcein	540
						466908	Orcinol monohydrate	540
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472022000	Potassium hydroxide 0.5 mol/l (0.5N) in ethanol	603
472041000	Potassium hydroxide 0.1 mol/l (0.1N) in ethanol	605
472042000	Potassium hydroxide 0.1 mol/l (0.1N) in ethanol	605
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472171	Potassium hydroxide, pellets	600
472172	Potassium hydroxide, pellets	600
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472281000	Potassium hydroxide 1 mol/l (1N)	602
472282000	Potassium hydroxide 1 mol/l (1N)	602
472287000	Potassium hydroxide 1 mol/l (1N)	602
472311	Potassium hydroxide 1 mol/l (1N)	602
472331000	Potassium hydroxide 0.5 mol/l (0.5N)	602
472332000	Potassium hydroxide 0.5 mol/l (0.5N)	602
472337000	Potassium hydroxide 0.5 mol/l (0.5N)	602
472364000	Potassium hydroxide 0.5 mol/l (0.5N) in methanol	603
472366000	Potassium hydroxide 0.5 mol/l (0.5N) in methanol	603
472367000	Potassium hydroxide 0.5 mol/l (0.5N) in methanol	603
472391	Potassium hydroxide 0.5 mol/l (0.5N)	603
472421000	Potassium hydroxide 0.25 mol/l (0.25N)	604
472422000	Potassium hydroxide 0.25 mol/l (0.25N)	604

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472427000	Potassium hydroxide 0.25 mol/l (0.25N)	604	474169	Potassium sulfate	618	477186	D(+)-Sucrose	726
472451000	Potassium hydroxide 0.1 mol/l (0.1N)	605	474205	Potassium sulfate	618	477187	D(+)-Sucrose	726
472452000	Potassium hydroxide 0.1 mol/l (0.1N)	605	474355	Potassium thiocyanate	620	477232	Safranine T	642
472457000	Potassium hydroxide 0.1 mol/l (0.1N)	605	474357	Potassium thiocyanate	620	477241	Safranine T hydroalcoholic solution for Gram-Hucker Kit	642
472484000	Potassium hydroxide 0.1 mol/l (0.1N) in methanol	605	474465	Potassium tartrate	618	477591	Schiff's reagent for PAS coloration	646
472486000	Potassium hydroxide 0.1 mol/l (0.1N) in methanol	605	474467	Potassium tartrate	618	477592	Schiff's reagent for PAS coloration	646
472511	Potassium hydroxide 0.1 mol/l (0.1N)	605	474515	Potassium L-tartrate monobasic	619	477601	Schiff's reagent for Aldehydes	645
472563	Potassium iodate	606	474517	Potassium L-tartrate monobasic	619	477691	Selenium standard solution	647
472565	Potassium iodate	606	474652	Potassium tellurite	619	477702	Selenium, powder	646
472601	Potassium iodate 0.0167 mol/l (0.1N)	606	474708	L(-)Proline	622	477721	Molecular sieves 3 A	510
472631	Potassium iodate 0.00167 mol/l (0.01N)	607	474756	Isopropylamine	442	477731	Molecular sieves 3 A	510
472641	Potassium hydrogen iodate	597	474807	n-Propyl acetate	628	477762	Selenium dioxide	648
472735	Potassium iodide	607	474821	Isopropyl acetate	441	477961	Silicon standard solution	652
472736	Potassium iodide	607	474871	Propylene carbonate	629	478032	Redox solution 220 mV at 25°C	636
472737	Potassium iodide	607	475132	Raffinose	635	478052	Redox solution 468 mV at 25°C	637
472815000	Potassium iodide solution 3.9%	608	475151	Copper standard solution	276	478101	Sodium standard solution	661
472821	Potassium iodide	607	475185	Copper electrolytic, wire	275	478132	Sodium acetate trihydrate	662
472831	Potassium iodide solution 10%	608	475187	Copper electrolytic, wire	275	478135	Sodium acetate trihydrate	662
473001	Potassium nitrate	609	475215	Copper electrolytic rebaked, sheet	274	478136	Sodium acetate trihydrate	662
473006	Potassium nitrate	609	475305	Copper electrolytic, turnings	274	478137	Sodium acetate trihydrate	662
473007	Potassium nitrate	609	475307	Copper electrolytic, turnings	274	478139	Sodium acetate trihydrate	662
473009	Potassium nitrate	609	475334	Copper reduced, powder	275	478163	Sodium acetate anhydrous	662
473045	Potassium nitrate 1 mol/l (1N)	610	475337	Copper reduced, powder	275	478165	Sodium acetate anhydrous	662
473084	Potassium nitrite	610	475405	Copper (II) acetate hydrate	277	478166	Sodium acetate anhydrous	662
473133	Potassium oxalate monohydrate	610	475407	Copper (II) acetate hydrate	277	478167	Sodium acetate anhydrous	662
473135	Potassium oxalate monohydrate	610	475553	Copper (II) carbonate (basic)	278	478232	Sodium aluminate	663
473137	Potassium oxalate monohydrate	610	475555	Copper (II) carbonate (basic)	278	478237	Sodium aluminate	663
473332	Potassium m-periodate	611	475557	Copper (II) carbonate (basic)	278	478357	Sodium ammonium hydrogen phosphate	664
473334	Potassium m-periodate	611	475605	Copper (I) chloride	276	478481	Sodium azide	665
473381	Potassium permanganate	611	475607	Copper (I) chloride	276	478482	Sodium azide	665
473384	Potassium permanganate	611	475685	Copper (II) chloride dihydrate	278	478484	Sodium azide	665
473385	Potassium permanganate	611	475687	Copper (II) chloride dihydrate	278	478531	Sodium bicarbonate	665
473387	Potassium permanganate	611	475782	Copper (II) nitrate trihydrate	279	478532	Sodium bicarbonate	665
473514000	Potassium permanganate 0.2 mol/l (1N)	612	475783	Copper (II) nitrate trihydrate	279	478535	Sodium bicarbonate	665
473565000	Potassium permanganate 0.02 mol/l (0.1N)	612	475784	Copper (II) nitrate trihydrate	279	478536	Sodium bicarbonate	665
473567000	Potassium permanganate 0.02 mol/l (0.1N)	612	475786	Copper (II) nitrate trihydrate	279	478537	Sodium bicarbonate	665
473591	Potassium permanganate 0.02 mol/l (0.1N)	612	475966	Copper (II) oxide wire	279	478673	Sodium bisulfate monohydrate	666
473661	Potassium permanganate 0.002 mol/l (0.01N)	613	475994	Copper (II) oxide	279	478675	Sodium bisulfate monohydrate	666
473701	Potassium persulfate	613	475997	Copper (II) oxide	279	478676	Sodium bisulfate monohydrate	666
473835	Potassium pyroantimonate acid	615	476092	Copper (II) sulfate pentahydrate	280	478677	Sodium bisulfate monohydrate	666
473915	tetra-Potassium pyrophosphate	616	476096	Copper (II) sulfate pentahydrate	280	478678	Sodium bisulfate monohydrate	666
474016	Potassium pyrosulphate	616	476097	Copper (II) sulfate pentahydrate	280	478812	Sodium tetraborate decahydrate	710
474112	Potassium sodium tartrate tetrahydrate	617	476099	Copper (II) sulfate pentahydrate	280	478815	Sodium tetraborate decahydrate	710
474114	Potassium sodium tartrate tetrahydrate	617	476154	Copper (II) sulfate pentahydrate	280	478816	Sodium tetraborate decahydrate	710
474115	Potassium sodium tartrate tetrahydrate	617	476243	Copper (II) sulfate anhydrous	280	478817	Sodium tetraborate decahydrate	710
474116	Potassium sodium tartrate tetrahydrate	617	476245	Copper (II) sulfate anhydrous	280	478819	Sodium tetraborate decahydrate	710
474117	Potassium sodium tartrate tetrahydrate	617	476247	Copper (II) sulfate anhydrous	280	478953	Sodium borohydride	666
474119	Potassium sodium tartrate tetrahydrate	617	476312	L(+)-Rhamnose	638	478955	Sodium borohydride	666
474166	Potassium sulfate	618	476565	Resorcinol	637	478957	Sodium borohydride	666
474167	Potassium sulfate	618	476608	D(-)Ribose	639	478964	Sodium borohydride	666
			476671	Potassium permanganate	611	479055	Sodium bromide	667
			476687	Quinaldine red	634	479057	Sodium bromide	667
			476688	Quinaldine red	634	479121	Sodium carbonate decahydrate	668
			476762	Congo red	273	479122	Sodium carbonate decahydrate	668
			476764	Congo red	273	479125	Sodium carbonate decahydrate	668
			476778	o-Cresol red	283	479126	Sodium carbonate decahydrate	668
			476838	Phenol red	570	479127	Sodium carbonate decahydrate	668
			476839	Phenol red	570	479151	Sodium carbonate solution 20%	670
			476881	Methyl red	503	479186	Sodium carbonate 0.5 mol/l (1N)	669
			476882	Methyl red	503	479211	Sodium carbonate 0.05 mol/l (0.1N)	669
			476883	Methyl red	503	479255	Sodium carbonate monohydrate	669
			476941	Ponceau red BS	581			
			476951	Neutral red	521			
			476961	Red for oils O	636			
			476981	Ponceau red S	581			
			476982	Ponceau red S	581			
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			477012	Nuclear fast red	536			
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			477183	D(+)-Sucrose	726			

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479257	Sodium carbonate monohydrate	669	480143	Sodium phosphate dibasic anhydrous	700	480867000	Sodium hydroxide 0.25 mol/l (0.25N)	688
479301	Sodium carbonate anhydrous	667	480144	Sodium phosphate dibasic anhydrous	700	480891000	Sodium hydroxide 0.1 mol/l (0.1N)	690
479302	Sodium carbonate anhydrous	667	480222	Sodium phosphate dibasic dihydrate	701	480892000	Sodium hydroxide 0.1 mol/l (0.1N)	690
479305	Sodium carbonate anhydrous	667	480225	Sodium phosphate dibasic dihydrate	701	480893000	Sodium hydroxide 0.1 mol/l (0.1N)	690
479306	Sodium carbonate anhydrous	667	480226	Sodium phosphate dibasic dihydrate	701	480895000	Sodium hydroxide 0.1 mol/l (0.1N)	690
479307	Sodium carbonate anhydrous	667	480227	Sodium phosphate dibasic dihydrate	701	480897000	Sodium hydroxide 0.1 mol/l (0.1N)	690
479331	Sodium carbonate anhydrous	667	480271	Sodium phosphate tribasic dodecahydrate	704	480921	Sodium hydroxide 0.1 mol/l (0.1N)	690
479371	Sodium cyanoborohydride	674	480272	Sodium phosphate tribasic dodecahydrate	704	481001	Sodium hydroxide 0.01 mol/l (0.01N)	690
479484	Sodium citrate tribasic dihydrate	673	480275	Sodium phosphate tribasic dodecahydrate	704	481162	Sodium iodide	693
479485	Sodium citrate tribasic dihydrate	673	480276	Sodium phosphate tribasic dodecahydrate	704	481163	Sodium iodide	693
479486	Sodium citrate tribasic dihydrate	673	480277	Sodium phosphate tribasic dodecahydrate	704	481164	Sodium iodide	693
479487	Sodium citrate tribasic dihydrate	673	480501	Sodium hydroxide, pellets	679	481181	Sodium hypochlorite solution in water	692
479488	Sodium citrate tribasic dihydrate	673	480502	Sodium hydroxide, pellets	679	481185	Sodium hypochlorite solution in water	692
479652	Sodium chloride	670	480505	Sodium hydroxide, pellets	679	481201	Sodium hypophosphite	693
479661	Sodium chloride	671	480507	Sodium hydroxide, pellets	679	481202	Sodium hypophosphite	693
479662	Sodium chloride	671	480508	Sodium hydroxide, pellets	679	481231	Sodium laurylsulfate	693
479663	Sodium chloride	671	480509	Sodium hydroxide, pellets	679	481233	Sodium laurylsulfate	693
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479681	Sodium chloride	671	480525	Sodium hydroxide, pellets	679	481283	Sodium metabisulfite	694
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479686	Sodium chloride	671	480561	Sodium hydroxide solution 32%	681	481287	Sodium metabisulfite	694
479687	Sodium chloride	671	480562	Sodium hydroxide solution 32%	681	481288	Sodium metabisulfite	694
479689	Sodium chloride	671	480563	Sodium hydroxide solution 32%	681	481552	Sodium metaphosphate	695
479781	Sodium chloride 0.1 mol/l (0,1N)	672	480564	Sodium hydroxide solution 32%	681	481557	Sodium metaphosphate	695
479833	Sodium cobalt nitrite	673	480566	Sodium hydroxide solution 32%	681	481684	Sodium molybdate dihydrate	695
479911	Tris (hydroxymethyl)-aminomethane hydrochloride	778	480591	Sodium hydroxide solution 35%	681	481685	Sodium molybdate dihydrate	695
479912	Tris (hydroxymethyl)-aminomethane hydrochloride	778	480593	Sodium hydroxide solution 35%	681	481687	Sodium molybdate dihydrate	695
479913	Tris (hydroxymethyl)-aminomethane hydrochloride	778	480621	Sodium hydroxide solution 20% w/w	683	481751	Sodium nitrate	696
479921	Sodium dichloroisocyanurate dihydrate	674	480622	Sodium hydroxide solution 20% w/w	683	481755	Sodium nitrate	696
479954	Sodium fluoride	675	480631	Sodium hydroxide solution 20% w/w	683	481756	Sodium nitrate	696
479955	Sodium fluoride	675	480681000	Sodium hydroxide 2 mol/l (2N)	686	481757	Sodium nitrate	696
479957	Sodium fluoride	675	480682000	Sodium hydroxide 2 mol/l (2N)	686	481759	Sodium nitrate	696
480005	Sodium hexafluorosilicate	677	480684000	Sodium hydroxide 2 mol/l (2N)	686	481825	Sodium nitrite	696
480045	Sodium formate	675	480686000	Sodium hydroxide 2 mol/l (2N)	686	481826	Sodium nitrite	696
480046	Sodium formate	675	480687000	Sodium hydroxide 2 mol/l (2N)	686	481827	Sodium nitrite	696
480081	Sodium phosphate monobasic monohydrate	703	480711000	Sodium hydroxide 1 mol/l (1N)	687	481829	Sodium nitrite	696
480082	Sodium phosphate monobasic monohydrate	703	480713000	Sodium hydroxide 1 mol/l (1N)	687	481932	Sodium nitroprusside dihydrate	697
480085	Sodium phosphate monobasic monohydrate	703	480714000	Sodium hydroxide 1 mol/l (1N)	687	481934	Sodium nitroprusside dihydrate	697
480086	Sodium phosphate monobasic monohydrate	703	480717000	Sodium hydroxide 1 mol/l (1N)	687	482041	Sodium o-Phosphite pentahydrate	704
480087	Sodium phosphate monobasic monohydrate	703	480741	Sodium hydroxide 1 mol/l (1N)	687	482042	Sodium o-Phosphite pentahydrate	704
480131	Sodium phosphate dibasic dodecahydrate	702	480771000	Sodium hydroxide 0.5 mol/l (0.5N)	688	482064	Sodium oxalate	698
480132	Sodium phosphate dibasic dodecahydrate	702	480772000	Sodium hydroxide 0.5 mol/l (0.5N)	688	482065	Sodium oxalate	698
480133	Sodium phosphate dibasic dodecahydrate	702	480773000	Sodium hydroxide 0.5 mol/l (0.5N)	688	482067	Sodium oxalate	698
480135	Sodium phosphate dibasic dodecahydrate	702	480777000	Sodium hydroxide 0.5 mol/l (0.5N)	688	482101	Sodium oxalate	698
480136	Sodium phosphate dibasic dodecahydrate	702	480801	Sodium hydroxide 0.5 mol/l (0.5N)	688	482183	Sodium perborate tetrahydrate	698
480137	Sodium phosphate dibasic dodecahydrate	702	480837000	Sodium hydroxide 0.357 mol/l (0.357N)	688	482185	Sodium perborate tetrahydrate	698
480141	Sodium phosphate dibasic anhydrous	700	480861000	Sodium hydroxide 0.25 mol/l (0.25N)	688	482187	Sodium perborate tetrahydrate	698
			480862000	Sodium hydroxide 0.25 mol/l (0.25N)	688	482204	Sodium perchlorate monohydrate	699
						482234	Sodium metaperiodate	694
						482236	Sodium metaperiodate	694
						482252	Sodium peroxide	699
						482363	Sodium persulfate	699
						482365	Sodium persulfate	699
						482367	Sodium persulfate	699
						482421	Sodium pyrophosphate decahydrate	705
						482422	Sodium pyrophosphate decahydrate	705

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482426	Sodium pyrophosphate decahydrate	705	485005	Tin (II) chloride dihydrate	761	486811	Buffer pH 10.06	224
482427	Sodium pyrophosphate decahydrate	705	485007	Tin (II) chloride dihydrate	761	486812	Buffer pH 10.06	224
482957	Sodium sulfate decahydrate	707	485074	Tin (IV) chloride pentahydrate	762	486841	Buffer pH 4.62	219
482959	Sodium sulfate decahydrate	707	485076	Tin (IV) chloride pentahydrate	762	486871	Buffer pH 6.88	220
483001	Sodium sulfate anhydrous	706	485154	Tin (IV) oxide	762	486881	Buffer pH 9.22	223
483005	Sodium sulfate anhydrous	706	485304	Strontium acetate	723	486903	Tartrazine	746
483006	Sodium sulfate anhydrous	706	485354	Strontium bromide monohydrate	723	487002	Tellurium lumps	746
483007	Sodium sulfate anhydrous	706	485391	Strontium standard solution	723	487023	Tellurium powder	747
483009	Sodium sulfate anhydrous	706	485404	Strontium carbonate	724	487051	Tetrabutylammonium bromide	749
483025	Sodium sulfate anhydrous	706	485407	Strontium carbonate	724	487101	Tetrabutylammonium bisulfate	748
483252	Sodium sulfite anhydrous	708	485455	Strontium chloride hexahydrate	724	487152	Tetraethylammonium bromide	751
483256	Sodium sulfite anhydrous	708	485457	Strontium chloride hexahydrate	724	487301	Tetrahydrofuran	752
483257	Sodium sulfite anhydrous	708	485605	Strontium nitrate	724	487303	Tetrahydrofuran	752
483258	Sodium sulfite anhydrous	708	485607	Strontium nitrate	724	487307	Tetrahydrofuran	752
483354	Sodium sulfocyanate	709	485705	Strontium sulfate	725	487308	Tetrahydrofuran	752
483356	Sodium sulfocyanate	709	485902	Sudan III	726	487309	Tetrahydrofuran	752
483484	Sodium sulfide nonahydrate	707	485961	Sulfanilamide	728	487345	Tetrahydrofuran	752
483485	Sodium sulfide nonahydrate	707	485971	Sulfanilamide	728	487346	Tetrahydrofuran	752
483487	Sodium sulfide nonahydrate	707	486211	Buffer pH 1	216	487352	Tetrahydrofuran	752
483489	Sodium sulfide nonahydrate	707	486221	Buffer pH 1	216	487491	Tetramethylammonium hydroxide 10%	753
483551	Sodium succinate hexahydrate	706	486231	Buffer pH 2	217	487492	Tetramethylammonium hydroxide 10%	753
483554	Sodium succinate hexahydrate	706	486241	Buffer pH 2	217	487601	N,N,N',N' - Tetramethyl-p-phenylenediamine dihydrochloride	753
483555	Sodium succinate hexahydrate	706	486251	Buffer pH 3	217	487728	Thymolphthalein	758
483557	Sodium succinate hexahydrate	706	486252	Buffer pH 3	217	487729	Thymolphthalein	758
483561	Sodium tartrate dihydrate	709	486261	Buffer pH 3	217	487803	Thioacetamide	754
483635	Sodium tartrate dihydrate	709	486271	Buffer pH 4	218	488101	Thiourea	756
483636	Sodium tartrate dihydrate	709	486273	Buffer pH 4	218	488102	Thiourea	756
483637	Sodium tartrate dihydrate	709	486274	Buffer pH 4	218	488104	Thiourea	756
483703	Sodium hydrogen tartrate monohydrate	678	486276	Buffer pH 4	218	488105	Thiourea	756
483706	Sodium hydrogen tartrate monohydrate	678	486281	Buffer pH 4	218	488107	Thiourea	756
483735	Sodium tetraborate anhydrous	709	486291	Buffer pH 4	219	488152	L(-)-Tyrosine	781
483736	Sodium tetraborate anhydrous	709	486301	Buffer pH 5	219	488162	Tisab III solution	763
483751	Sodium tetraphenylborate	710	486311	Buffer pH 5	219	488251	Titanium dioxide	764
483758	Sodium tetraphenylborate	710	486321	Buffer pH 6	220	488256	Titanium dioxide	764
483821	Sodium thiosulfate pentahydrate	711	486331	Buffer pH 6	220	488257	Titanium dioxide	764
483825	Sodium thiosulfate pentahydrate	711	486401	Buffer pH 6.8	220	488421	Titanium isopropylate	764
483826	Sodium thiosulfate pentahydrate	711	486411	Buffer pH 7.20 Weise	221	488461	o-Tolidine solution 0.1%	765
483827	Sodium thiosulfate pentahydrate	711	486421	Buffer pH 7	221	488531	Toluene	766
483829	Sodium thiosulfate pentahydrate	711	486431	Buffer pH 7	221	488551	Toluene	767
484026	Sodium thiosulfate 1 mol/l (1N)	712	486441	Buffer pH 7.2	221	488552	Toluene	767
484071000	Sodium thiosulfate 0.1 mol/l (0.1N)	712	486451	Buffer pH 7	221	488555	Toluene	767
484072000	Sodium thiosulfate 0.1 mol/l (0.1N)	712	486453	Buffer pH 7	221	488556	Toluene	767
484077000	Sodium thiosulfate 0.1 mol/l (0.1N)	712	486454	Buffer pH 7	221	488557	Toluene	767
484121	Sodium thiosulfate 0.1 mol/l (0.1N)	713	486455	Buffer pH 7	221	488591	Toluene	766
484141	Sodium thiosulfate 0.0394 mol/l (0.0394N)	713	486456	Buffer pH 7	221	488592	Toluene	766
484155	Sodium thiosulfate 0.0197 mol/l (0.0197N)	713	486461	Buffer pH 7.4	222	488594	Toluene	766
484161	Sodium thiosulfate 0.01 mol/l (0.01N)	713	486531	Buffer pH 8	222	488601	Toluene	766
484233	Sodium tungstate dihydrate	714	486541	Buffer pH 8	222	488602	Toluene	766
484236	Sodium tungstate dihydrate	714	486542	Buffer pH 8	222	488661	p-Toluene sulfonamide	768
484701	D-Sorbitol	715	486571	Buffer pH 9	223	489054	Litmus	465
484704	D-Sorbitol	715	486581	Buffer pH 10.06	224	489152	Triacetin	769
484705	D-Sorbitol	715	486591	Buffer pH 9	223	489162	Turbidity std 4000NTU formazine	780
484861	Tin standard solution	760	486593	Buffer pH 9	223	489382	1,2,4-Trichlorobenzene	771
484887	Tin foil	759	486594	Buffer pH 9	223	489501	Triethanolamine	771
484914	Tin, powder	759	486601	Buffer pH 10	224	489504	Triethanolamine	771
484917	Tin, powder	759	486611	Buffer pH 10	224	489556	Triethylamine	772
485002	Tin (II) chloride dihydrate	761	486613	Buffer pH 10	224	489561	N,O-Bis(trimethylsilyl)-trifluoroacetamide	204
485004	Tin (II) chloride dihydrate	761	486614	Buffer pH 10	224	489581	Trioctylphosphine oxide	775
			486615	Buffer pH 10	224	489591	Triphenylphosphine	776
			486621	Buffer pH 12	225	489631	Triethylamine	772
			486631	Buffer pH 11	224	489633	Triethylamine	772
			486641	Buffer pH 13	225	489651	2,3,5-Triphenyltetrazolium chloride	776
			486691	Buffer pH 12	225	489831	Trimethylcetyl ammonium bromide	775
			486701	Buffer pH 13	225	489833	Trimethylcetyl ammonium bromide	775
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			486751	Buffer pH 1.68	216			
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			486792	Buffer pH 7	221			

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489934	N,O-Bis(trimethylsilyl)acetamide	204	494311	Zinc dibenzylthiocarbamate	800	502781000	Sodium hydroxide 0.2 mol/l (0.2N)	689
489971	Tris (hydroxymethyl)-aminomethane	776	494506	Zinc nitrate hexahydrate	800	502782	Sodium hydroxide 0.2 mol/l (0.2N)	689
489973	Tris (hydroxymethyl)-aminomethane	776	494507	Zinc nitrate hexahydrate	800	502791	Kjeldahl catalyst without selenium and titanium	450
489981	Tris (hydroxymethyl)-aminomethane	776	494602	Zinc oxide	801	502792	Kjeldahl catalyst without selenium and titanium	450
489983	Tris (hydroxymethyl)-aminomethane	776	494606	Zinc oxide	801	502802	Kjeldahl titanium catalyst	451
489984	Tris (hydroxymethyl)-aminomethane	776	494607	Zinc oxide	801	502811	Kjeldahl antifoam	449
489985	Tris (hydroxymethyl)-aminomethane	776	494901	Zinc sulfate heptahydrate	802	502821	Kjeldahl catalyst according to Wienerger	450
490001	Tropaeolin O	778	494905	Zinc sulfate heptahydrate	802	502831	Hydrochloric acid 6 mol/l (6N)	401
490002	Tropaeolin O	778	494906	Zinc sulfate heptahydrate	802	502832	Hydrochloric acid 6 mol/l (6N)	401
490422	Tauber reagent	746	494907	Zinc sulfate heptahydrate	802	503171	Bromate standard solution	210
490751	Urea	782	494909	Zinc sulfate heptahydrate	802	503173	Bromate standard solution	210
490757	Urea	782	494921	Zinc sulfate 0.1 mol/l (0.2N)	803	503181	Chlorate standard solution	257
490758	Urea	782	494931	Zinc sulfate 0.05 mol/l (0.05N)	803	503183	Chlorate standard solution	257
490759	Urea	782	495005	Zinc sulfate monohydrate	802	503191	Chlorite standard solution	257
491091	Vanadium standard solution	783	495007	Zinc sulfate monohydrate	802	503193	Chlorite standard solution	257
491103	Vanadium (V) oxide	784	495105	Zinc sulfide	803	503194	Ammonium di-hydrogen phosphate 25 mg/L solution	172
491152	Brilliant green	209	495107	Zinc sulfide	803	503195	Ammonium nitrate 200 mg/l solution	174
491207	Bromocresol green	211	495202	Zirconium powder	803	503196	Magnesium nitrate 10 g/l solution	473
491208	Bromocresol green	211	495305	Zirconium (IV) oxide	804	503197	Nickel (II) nitrate 10g/l	524
491303	Malachite green	476	497551	Mercury standard solution	484	503198	Palladium nitrate 2 g/l solution	554
491304	Malachite green	476	497555	Mercury standard solution	484	503202	Palladium nitrate 2 g/l solution	554
491351	Methyl green	499	502000	Acetic acid 1 mol/l (1N)	136	503211	Bromide standard solution	210
491352	Methyl green	499	502002	Boric acid 4%	206	503213	Bromide standard solution	210
491371	Light green	461	502010	Hydrochloric acid 4 mol/l (4N)	402	503221	Calcium standard solution	235
491372	Light green	461	502011	Hydrochloric acid 3 mol/l (3N)	403	503223	Calcium standard solution	235
491391	Fast green FCF	353	502020	Sulfuric acid d=1.820	743	503231	Chloride standard solution	257
491502	Crystal violet	284	502044	Hydrogen peroxide solution 30%	414	503233	Chloride standard solution	257
491561	Crystal violet oxalate for Gram-Hucker Kit	284	502050	Amidoschwarz 10B solution	157	503241	Chromate standard solution	264
491871	Pyrocatechol violet	632	502051	Amidoschwarz 10B solution	157	503243	Chromate standard solution	264
491872	Pyrocatechol violet	632	502062	Sand of Fontainebleau	644	503251	Fluoride standard solution	358
492011	Wright's stain solution in methanol	790	502063	Sand of Fontainebleau	644	503253	Fluoride standard solution	358
492211	Xylenecyanol	792	502064	Sand of Fontainebleau	644	503261	Iodide standard solution	424
492212	Xylenecyanol	792	502073	Trichloroacetic acid solution 20%	770	503263	Iodide standard solution	424
492301	Xylene, mix of isomers	791	502092	Potassium hydroxide 0.23 mol/l (0.23N)	604	503271	Potassium standard solution	583
492303	Xylene, mix of isomers	791	502100000	Sulfuric acid 0.1 mol/l (0.2N)	740	503273	Potassium standard solution	583
492304	Xylene, mix of isomers	791	502112	Sodium hydroxide solution 35-37%	681	503281	Lithium standard solution	462
492305	Xylene, mix of isomers	791	502120	Kjeldahl selenium catalyst	450	503283	Lithium standard solution	462
492306	Xylene, mix of isomers	791	502121	Kjeldahl catalyst for water analysis	450	503291	Magnesium standard solution	469
492358	Xylene, mix of isomers	791	502122	Kjeldahl catalyst for water analysis	450	503293	Magnesium standard solution	469
492359	Xylene, mix of isomers	791	502123	Kjeldahl titanium catalyst	451	503301	Sodium standard solution	661
492401	o-Xylene	792	502131	Sodium chloride 5 mol/l (5N)	672	503303	Sodium standard solution	661
492403	o-Xylene	792	502202	Sulfuric acid 0.26 mol/l (0.52N)	739	503311	Ammonium standard solution	165
492404	o-Xylene	792	502212	Potassium hydroxide 0.46 mol/l (0.46N)	604	503313	Ammonium standard solution	165
492661	2,4-Xylenol	792	502302	Sulfuric acid 95 - 97 %	733	503321	Nitrite standard solution	534
492803	D(+)-Xylose	793	502591	Sulfuric acid 10% v/v	737	503323	Nitrite standard solution	534
492804	D(+)-Xylose	793	502601	Boric acid 4% with indicator	206	503331	Nitrate standard solution	527
493101	Ziehl-Neelsen's reagent	796	502611	Boric acid 1% with indicator	207	503333	Nitrate standard solution	527
493102	Ziehl-Neelsen's reagent	796	502612	Boric acid 1% with indicator	207	503341	Phosphate standard solution	574
493151	Zinc standard solution	798	502621	Hydrochloric acid 3 mol/l (3N)	403	503343	Phosphate standard solution	574
493303	Zinc, granular	796	502622	Hydrochloric acid 3 mol/l (3N)	403	503351	Sulfate standard solution	729
493307	Zinc, granular	796	502631	Hydrochloric acid 0.2 mol/l (0.2N)	405	503353	Sulfate standard solution	729
493309	Zinc, granular	796	502641	Sulfuric acid 98%	730	503358	Cyanide standard solution	285
493451	Zinc, granular	796	502651	Sulfuric acid 0.13 mol/l (0.26N)	740	503361	Strontium standard solution	723
493507	Zinc, foil	796	502662	Sodium hydroxide 4 mol/l (4N)	685	503389	Calcium standard solution	235
493702	Zinc, powder	797	502664	Sodium hydroxide 4 mol/l (4N)	685	503390	Magnesium standard solution	469
493705	Zinc, powder	797	502671	Mixture for checking solderings	509	503401	Silver standard solution	653
493707	Zinc, powder	797	502681	Potassium chromate 5% solution	591	503403	Silver standard solution	653
493803	Zinc acetate dihydrate	798	502701	Carrez reagent zinc salt	249	503405	Silver standard solution	653
493806	Zinc acetate dihydrate	798	502711	Carrez reagent potassium salt	249	503407	Silver standard solution	653
493807	Zinc acetate dihydrate	798	502721	Sodium hydroxide solution 40%	680	503411	Aluminum standard solution	152
494006	Zinc carbonate basic	799	502722	Sodium hydroxide solution 40%	680	503413	Aluminum standard solution	152
494104	Zinc chloride anhydrous	799	502731	Sodium hydroxide solution 30%	682	503415	Aluminum standard solution	152
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503541	Copper standard solution	276	503795	Phosphorus standard solution	577	503985	Tellurium standard solution	747
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611083901	Sodium sulfide nonahydrate solution	707	613000400	Cerium (IV) ammonium sulfate 0.01 mol/l	252	613007100	Sodium methoxide 0.1 mol/l	695
611083902	Sodium sulfide nonahydrate solution	707	613000500	Ammonium thiocyanate 0.1 mol/l (0.1N)	179	613007101	Sodium methoxide 0.1 mol/l	695
611085001	Tin (II) chloride solution	761	613000501	Ammonium thiocyanate 0.1 mol/l (0.1N)	179	613007200	Sodium nitrite 0.1 mol/l (0.1N)	697
611085103	Starch soluble solution	721	613000600	Barium chloride 0.1 mol/l (0.2N)	193	613007300	Sodium thiosulfate 0.1 mol/l (0.1N)	712
611085104	Starch soluble solution	721	613000700	Barium perchlorate 0.05 mol/l	196	613007301	Sodium thiosulfate 0.1 mol/l (0.1N)	712
611086500	Sulfomolybdic reagent	729	613000900	Hyamine 1622 solution 0.004M	392	613007800	Sulfuric acid 0.5 mol/l (1N)	738
611086804	Sulfuric acid, dilute	743	613000901	Hyamine 1622 solution 0.004M	392	613008000	Sulfuric acid 0.05 mol/l (0.1N)	740
611089602	Thioacetamide solution 40 g/l	755	613001000	Bromide - bromate 0.0167 mol/l	210	613008001	Sulfuric acid 0.05 mol/l (0.1N)	740
611089603	Thioacetamide solution 40 g/l	755	613001100	Cerium (IV) sulfate 0.1 mol/l	253	613008300	Tetrabutylammonium hydroxide solution 0.1 mol/l (0.1N)	749
611089700	Thioglycolic acid 80%	755	613001101	Cerium (IV) sulfate 0.1 mol/l	253	613008400	Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol	749
611090601	Thymol blue solution	758	613001300	Iron (III) ammonium sulfate 0.1 mol/l	433	613008600	Zinc sulfate 0.1 mol/l (0.2N)	802
611090701	Thymolphthalein solution 0.1% in ethanol	759	613001400	Iron (II) sulfate 0.1 mol/l	431	613008601	Zinc sulfate 0.1 mol/l (0.2N)	802
611091202	Titanium trichloride-sulfuric acid reagent	765	613001500	Hydrochloric acid 6 mol/l (6N)	401	613008700	Cupriethylenediamine hydroxide 1 mol/l	285
611094201	Tris(hydroxymethyl) aminomethane solution	777	613001700	Hydrochloric acid 2 mol/l (2N)	403	613008800	Hydrochloric acid 0.1 mol/l (0.1N) in ethanol	407
611095302	Vanillin solution, phosphoric	784	613001800	Hydrochloric acid 1 mol/l (1N)	403	613009100	Potassium hydroxide 1 mol/l (1N)	602
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611095506	Water	787	613002100	Hydrochloric acid 0.1 mol/l (0.1N)	406	613009601	Barium perchlorate 0.025 mol/l	196
611096501	Zinc, activated	797	613002101	Hydrochloric acid 0.1 mol/l (0.1N)	406	613009700	Lead (II) nitrate 0.05 mol/l	459
611096601	Zinc chloride-formic acid solution	800	613002700	Iodine 0.05 mol/l (0.1N)	425	613010100	Lanthanum nitrate 0.1 mol/l	454
611096603	Zinc chloride solution, iodinated	800	613002900	Iodine 0.01 mol/l (0.02N)	426	614000100	Acetone	140
611123001	o-Tolidine solution	765	613003100	Lead (II) nitrate 0.1 mol/l	459	614000200	Buffer pH 2	217
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612202520	Degree of coloration of liquids: standard solutions	291	613005901	Ethylenediaminetetraacetic acid disodium salt 0.1 mol/l (0.2N)	346	614007000	Buffer pH 9	222
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1344-28-1	Aluminum oxide (basic)	155	4637-24-5	N,N-Dimethylformamide dimethylacetal	317	7080-50-4	Chloramine T sodium salt	256
1344-28-1	Aluminum oxide (neutral)	156	4717-96-8	4-Methyltetrahydropyran	506	7087-68-5	N,N-Diisopropylethylamine	312
1344-28-1	Aluminum oxide activated	156	5108-96-3	Pyrrolidine dithiocarbamic acid ammonium salt	633	7220-79-3	Methylene blue	498
1393-92-6	Litmus	465	5141-20-8	Light green	461	7226-23-5	N,N'-Dimethylpropylene uree	317
1400-62-0	Orcein	540	5144-89-8	o-Phenantroline monohydrate	569	7291-22-7	Pyridine-d5	631
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1455-13-6	Methanol-d1	494	5324-84-5	1-Octanesulphonic acid sodium salt	537	7320-34-5	tetra-Potassium pyrophosphate	616
1465-25-4	N-(1-Naphthyl)ethylenediamine dihydrochloride	518	5329-14-6	Sulfamic acid	727	7429-90-5	Aluminum, powder	151
1470-61-7	Silver diethyldithiocarbamate	655	5341-61-7	Hydrazine dihydrochloride	392	7439-89-6	Iron, powder	427
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1592-23-0	Calcium stearate	244	5614-37-9	Cyclopentyl methyl ether	289	7439-92-1	Lead	455
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1733-12-6	o-Cresol red	283	5949-29-1	Citric acid monohydrate	269	7440-31-5	Tin, powder	759
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1762-95-4	Ammonium thiocyanate 0.01 mol/l (0.01N)	179	5996-10-1	D(+)-Glucose monohydrate	371	7440-50-8	Copper electrolytic, turnings	274
1762-95-4	Ammonium thiocyanate 0.01 mol/l (0.01N)	179	6001-64-5	Chlorobutanol hemihydrate	259	7440-50-8	Copper electrolytic, wire	275
1787-61-7	Eriochrome black T	329	6009-70-7	Ammonium oxalate monohydrate	175	7440-50-8	Copper reduced, powder	275
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1934-21-0	Tartrazine	746	6046-93-1	Copper (II) acetate hydrate	277	7440-66-6	Zinc, powder	797
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2052-49-5	Tetrabutylammonium hydroxide solution 0.1 mol/l (0.1N)	749	6104-59-2	Coomassie brilliant blue R 250	274	7440-69-9	Bismuth, granules	202
2052-49-5	Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in 2-propanol	749	6106-21-4	Sodium succinate hexahydrate	706	7440-70-2	Calcium standard solution	234
2052-49-5	Tetrabutylammonium hydroxide 0.1 mol/l (0.1N) in methanol / propanol-2 (50/50)	750	6106-24-7	Sodium tartrate dihydrate	709	7446-08-4	Selenium dioxide	648
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2321-07-5	Fluorescein	357	6156-78-1	Manganese (II) acetate tetrahydrate	480	7447-40-7	Potassium chloride 3.5 mol/l (3.5N)	587
2338-05-8	Iron (III) citrate	434	6192-52-5	p-Toluenesulfonic acid	768	7447-40-7	Potassium chloride 3.5 mol/l (3.5N) + silver chloride	587
2353-45-9	Fast green FCF	353	6226-79-5	Ponceau red S	581			
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7447-40-7	Potassium chloride 3 mol/l (3N)	588	7647-01-0	Hydrochloric acid 0.2 mol/l (0.2N)	405	7664-93-9	Sulfuric acid 0.005 mol/l (0.01N)	742
7447-40-7	Potassium chloride 3 mol/l (3N) water-glycerol solution	588	7647-01-0	Hydrochloric acid 0.2 mol/l (0.2N) in propanol-2	405	7664-93-9	Sulfuric acid 0.0025 mol/l (0.005N)	742
7447-40-7	Potassium chloride 3 mol/l (3N) + silver chloride	588	7647-01-0	Hydrochloric acid 0.1 mol/l (0.1N)	406	7664-93-9	Sulfuric acid with 10 g/l Silver sulfate	742
7447-40-7	Potassium chloride 1 mol/l (1N)	588	7647-01-0	Hydrochloric acid 0.1 mol/l (0.1N) in ethanol	407	7664-93-9	Sulfuric acid with 6.6 g/l Silver sulfate	743
7447-40-7	Potassium chloride 0.1 mol/l (0.1N)	589	7647-01-0	Hydrochloric acid 0.1 mol/l (0.1N) in propanol-2	407	7664-93-9	Sulfuric acid, dilute	743
7447-40-7	Potassium chloride 0.01 mol/l (0.01N)	589	7647-01-0	Hydrochloric acid 0.1 mol/l (0.1N) in propanol-2	407	7664-93-9	Sulfuric acid d=1.820	743
7447-40-7	Potassium chloride 25g/l in HCl	589	7647-01-0	Hydrochloric acid 0.0714 mol/l (N/14)	407	7681-11-0	Potassium iodide	607
7447-40-7	Potassium chloride 12g/l	589	7647-01-0	Hydrochloric acid 0.05 mol/l (0.05N)	407	7681-11-0	Potassium iodide solution 10%	608
7447-40-7	Potassium chloride saturated solution	590	7647-01-0	Hydrochloric acid 0.05 mol/l (0.05N)	407	7681-11-0	Potassium iodide solution 3.9%	608
7447-40-7	Potassium chloride solution	590	7647-01-0	Hydrochloric acid 0.04 mol/l (0.04N)	408	7681-11-0	Potassium iodide solution	608
7447-41-8	Lithium chloride	463	7647-01-0	Hydrochloric acid 0.04 mol/l (0.04N)	408	7681-49-4	Sodium fluoride	675
7487-88-9	Magnesium sulfate anhydrous	475	7647-01-0	Hydrochloric acid 0.02 mol/l (0.02N)	408	7681-52-9	Sodium hypochlorite solution 12.5%	692
7487-94-7	Mercury (II) chloride	485	7647-01-0	Hydrochloric acid 0.02 mol/l (0.02N)	408	7681-52-9	Sodium hypochlorite solution in water	692
7488-55-3	Tin (II) sulfate	762	7647-01-0	Hydrochloric acid 0.01 mol/l (0.01N)	408	7681-57-4	Sodium metabisulfite	694
7553-56-2	Iodine	424	7647-01-0	Hydrochloric acid, dilute	409	7681-65-4	Copper (I) iodide	277
7553-56-2	Iodine resublimed	425	7647-01-0	Hydrochloric acid, brominated	409	7681-82-5	Sodium iodide	693
7553-56-2	Iodine 0.5 mol/l (1N)	425	7647-10-1	Palladium (II) chloride	553	7697-37-2	Nitric acid fuming 99%	528
7553-56-2	Iodine 0.05 mol/l (0.1N)	425	7647-14-5	Ausilab 260	188	7697-37-2	Nitric acid 69.5%	528
7553-56-2	Iodine 0.01 mol/l (0.02N)	426	7647-14-5	Sodium chloride	670	7697-37-2	Nitric acid 67-70%	529
7553-56-2	Iodine 0.005 mol/l (0.01N)	426	7647-14-5	Sodium chloride 5 mol/l (5N)	672	7697-37-2	Nitric acid 67-69%	530
7558-79-4	Sodium phosphate dibasic anhydrous	700	7647-14-5	Sodium chloride 0.1 mol/l (0,1N)	672	7697-37-2	Nitric acid 67.5 (42° Be)	530
7580-67-8	Lithium hydride	464	7647-15-6	Sodium bromide	667	7697-37-2	Nitric acid 65%	531
7601-90-3	Perchloric acid 65-71%	560	7647-17-8	Cesium chloride	254	7697-37-2	Nitric acid 18%	532
7601-90-3	Perchloric acid 65%	561	7647-17-8	Cesium chloride 25 g/l solution	254	7697-37-2	Nitric acid 10%	532
7631-86-9	Silica gel 60A 6 - 35µ	648	7664-38-2	Orthophosphoric acid 99%	547	7697-37-2	Nitric acid 8 mol/l (8N)	532
7631-86-9	Silica gel 60A 20 - 45µ	648	7664-38-2	Orthophosphoric acid 85%	547	7697-37-2	Nitric acid 2 mol/l (2N)	533
7631-86-9	Silica gel 60A 35 - 70µ	649	7664-38-2	Orthophosphoric acid 75%	549	7697-37-2	Nitric acid 1 mol/l (1N)	533
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7632-00-0	Sodium nitrite solution 500 g/l	697	7664-93-9	Sulfuric acid 96%	731	7722-64-7	Potassium permanganate	611
7646-79-9	Cobalt (II) chloride in solution	272	7664-93-9	Sulfuric acid 95 - 97 %	733	7722-64-7	Potassium permanganate solution 3%	612
7646-85-7	Zinc chloride anhydrous	799	7664-93-9	Sulfuric acid 93-98%	733	7722-64-7	Potassium permanganate 0.2 mol/l (1N)	612
7646-85-7	Zinc chloride solution 60%	799	7664-93-9	Sulfuric acid 90%	734	7722-64-7	Potassium permanganate 0.02 mol/l (0.1N)	612
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7790-21-8	Potassium m-periodate	611
7790-28-5	Sodium metaperiodate	694
7790-58-1	Potassium tellurite	619
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7790-69-4	Lithium nitrate	465
7791-07-3	Sodium perchlorate monohydrate	699
7791-13-1	Cobalt (II) chloride hexahydrate	272
7791-18-6	Magnesium chloride hexahydrate	471
7791-20-0	Nickel (II) chloride hexahydrate	523
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8002-27-9	Oil of cedar wood	538
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10030-85-0	L(+)/Rhamnose	638
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10034-76-1	Calcium sulfate hemihydrate	245
10034-81-8	Magnesium perchlorate	474
10034-85-2	Hydriodic acid 57%	393
10034-88-5	Sodium bisulfate monohydrate	666
10034-96-5	Manganese (II) sulfate monohydrate	481
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Product specifications are subject to changes. Please visit our website for updates.

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10378-47-9	Cerium (IV) ammonium sulfate 0.1 mol/l	252
10378-47-9	Cerium (IV) ammonium sulfate 0.01 mol/l	252
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12027-06-4	Ammonium iodide	173
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12208-13-8	Potassium pyroantimonate	616
12230-71-6	Barium hydroxide octahydrate	194
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13446-18-9	Magnesium nitrate hexahydrate	472
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14807-96-6	Talc	744
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16674-78-5	Magnesium acetate tetrahydrate	470
16731-55-8	Potassium metabisulfite	609
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16774-21-3	Cerium (IV) ammonium nitrate 0.1 mol/l	251
16774-21-3	Cerium (IV) ammonium nitrate 0.01 mol/l	251
16788-57-1	Potassium phosphate dibasic trihydrate	614
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16921-30-5	di-Potassium hexachloroplatinate	597
16940-66-2	Sodium borohydride	666
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17372-87-1	Eosin Y	328
17372-87-1	Eosin Y 1% solution aqueous	328
17372-87-1	Eosin Y 0.5% solution alcoholic	329
17629-30-0	Raffinose	635
18016-24-5	Calcium gluconate	240
18282-10-5	Tin (IV) oxide	762
18472-87-2	Phloxin B	574
18497-13-7	Hexachloroplatinic acid hexahydrate	383
20624-25-3	Sodium diethyldithiocarbamate trihydrate	674
20667-12-3	Silver oxide	659
21645-51-2	Aluminum hydroxide	154
21908-53-2	Mercury (II) oxide red	486
22383-16-0	Methyl green	499
22767-49-3	1-Pentanesulphonic acid sodium salt	559
22767-50-6	1-Heptanesulphonic acid sodium salt	383
24634-61-5	Potassium sorbate	617
25102-12-9	Ethylenediaminetetraacetic acid dipotassium salt dihydrate	345
25155-30-0	Dodecylbenzenesulphonic acid sodium salt	325
25561-30-2	N,O-Bis(trimethylsilyl)-trifluoroacetamide	204
25895-60-7	Sodium cyanoborohydride	674
26628-22-8	Sodium azide	665
28300-74-5	Antimony potassium tartrate	183
28631-66-5	Aniline blue soluble in water	180
28983-56-4	Methyl blue	497
30525-89-4	Paraformaldehyde	556
32503-27-8	Tetrabutylammonium bisulfate	748
33685-54-0	Tetrachloroethane-d2	751
33864-99-2	Alcian blue 8GX	149
35658-65-2	Cadmium chloride monohydrate	233
36653-82-4	Cetyl alcohol	254
37247-10-2	Azure II	189
37267-86-0	Metaphosphoric acid	487
38894-11-0	3-Methyl-2-benzothiazolinone hydrazone hydrochloride	497
39409-82-0	Magnesium carbonate basic	470
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42607-30-7	Sodium sulfide trihydrate	708
51429-74-4	Phosphomolybdic acid	576
51580-86-0	Sodium dichloroisocyanurate dihydrate	674
53092-85-6	Azure II eosin	190
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64742-47-8	Kerosene	449
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64742-49-0	Petroleum ether 100 - 140°C	564
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64742-49-0	Petroleum ether 40 - 60°C	567	81029-05-2	Brilliant cresyl blue	208	207596-29-0	1-Octanesulfonic acid sodium salt monohydrate	538
64771-72-8	Petroleum	563	90622-57-4	Isopar G	440	207605-40-1	1-Pentanesulphonic acid sodium salt monohydrate	560
65501-24-8	Ethylenediaminetetraacetic acid tripotassic salt	348	91053-39-3	Kieselguhr composed	449			
65997-17-3	Glass wool	370	92045-76-6	Paraffin 56-58°C - Erbaplast (without DMSO)	555			
68551-19-9	Solvent Plus	714	93763-70-3	Dicalite 4158	297			
75006-64-3	Diacetyldioxime sodium salt	295	206752-32-1	Azomethine H	189			

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Acetale	129	Acido cloridrico 4 mol/l (4N)	402
Acetammide	129	Acido cloridrico 3 mol/l (3N)	403
Acetaniilide	129	Acido cloridrico 2 mol/l (2N)	403
Acetilacetone	146	Acido cloridrico 1 mol/l (1N)	403
n-Acetil-L-cisteina	146	Acido cloridrico 0.714 mol/l (N/1.4)	404
p-Acetilfenetidina	146	Acido cloridrico 0.5 mol/l (0.5N)	405
Acetofenone	146	Acido cloridrico 0.2 mol/l (0.2N)	405
Acetone	138	Acido cloridrico 0.2 mol/l (0.2N) in isopropanolo	405
Acetone / Acqua 98/2 (v/v) + Blu di Bromofenolo 0.02 g/l	141	Acido cloridrico 0.1 mol/l (0.1N)	406
Acetone-d6	141	Acido cloridrico 0.1 mol/l (0.1N) in etanolo	407
Acetonitrile	142	Acido cloridrico 0.1 mol/l (0.1N) in isopropanolo	407
Acetonitrile + 0.1% v/v acido formico	145	Acido cloridrico 0.0714 mol/l (N/14)	407
Acetonitrile + 0.1% v/v acido trifluoroacetico	145	Acido cloridrico 0.05 mol/l (0.05N)	407
Acetonitrile-d3	145	Acido cloridrico 0.04 mol/l (0.04N)	408
Acido acetico glaciale	130	Acido cloridrico 0.02 mol/l (0.02N)	408
Acido acetico 96%	133	Acido cloridrico 0.01 mol/l (0.01N)	408
Acido acetico 80%	134	Acido cloridrico diluito	409
Acido acetico 45%	134	Acido cloridrico bromurato	409
Acido acetico 30%	134	Acido cloridrico-d 20%	409
Acido acetico 27%	135	Acido cloridrico-d 1 mol/l	409
Acido acetico 25%	135	Acido cloroacetico	258
Acido acetico 20%	135	Acido cromotropico sale bisodico	268
Acido acetico 12%	135	Acido 1-decansolfonico sale sodico	290
Acido acetico 1 mol/l (1N)	136	Acido dicloroacetico	297
Acido acetico 0.1 mol/l (0.1N)	136	Acido dietilentiainminopentacetico	308
Acido acetico 0.03 mol/l (0.03N)	136	Acido 1-dodecansolfonico sale sodico	324
Acido acetico-d4	137	Acido dodecilbenzensolfonico sale sodico	325
Acido adipico	147	Acido eptafluorobutirrico	380
Acido p-aminobenzoico	158	Acido 1-eptansolfonico sale sodico	383
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Acido L(+)-aspartico	186	Acido etilendiamminotetracetico sale bipotassico diidrato	345
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Acido benzoico	199	Acido etilendiamminotetracetico sale bisodico 0.1 mol/l (0.2N)	346
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Acido bromidrico 48%	393	Acido fluoridrico 47-51%	411
Acido 1-butansolfonico sale sodico	225	Acido fluoridrico 39.5%	412
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Acido cloridrico 32-35%	396	Acido fosforico 10%	549
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Acido cloridrico 29-31 %	398	Acido fosfosolforico	578
Acido cloridrico 26%	398	Acido fosfotungstico	578
Acido cloridrico 25% m/v	398	Acido fosfotungstico soluzione	578
Acido cloridrico 23%	399	Acido ftalico	579
Acido cloridrico 20%	399	Acido fumarico	365
Acido cloridrico 12%	399	Acido gallico monoidrato	367
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Acido cloridrico 8%	400		
Acido cloridrico 5%	400		
Acido cloridrico 1.128% m/v	401		
Acido cloridrico 9 mol/l (9N)	401		
Acido cloridrico 6 mol/l (6N)	401		
Acido cloridrico 5 mol/l (5N)	402		
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		Acido iodidrico 57%	393
		Acido L(+)-lattico	452
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		Acido DL-malico	477
		Acido malonico	478
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		Acido metafosforico	487
		Acido metansolfonico	487
		Acido alfa-metossifenilacetico	495
		Acido nicotinico	525
		Acido nitrico fumante 99%	528
		Acido nitrico 69.5%	528
		Acido nitrico 67-70%	529
		Acido nitrico 67-69%	530
		Acido nitrico 67.5% (42° Be)	530
		Acido nitrico 65%	531
		Acido nitrico 18%	532
		Acido nitrico 10%	532
		Acido nitrico 8 mol/l (8N)	532
		Acido nitrico 2 mol/l (2N)	533
		Acido nitrico 1 mol/l (1N)	533
		Acido nitrico 0.1 mol/l (0.1N)	533
		Acido nitrico diluito	534
		Acido m-nitrobenzoico	535
		Acido nitrilotriacetico	534
		Acido 1-octansolfonico sale sodico	537
		Acido 1-octansolfonico sale sodico monoidrato	538
		Acido oleico	539
		Acido ossalico diidrato	550
		Acido ossalico 0.5 mol/l (1N)	551
		Acido ossalico 0.05 mol/l (0.1N)	551
		Acido ossalico 0.005 mol/l (0.01N)	551
		Acido 1-pentansolfonico sale sodico	559
		Acido 1-pentansolfonico sale sodico monoidrato	560
		Acido perclorico 65-71%	560
		Acido perclorico 65%	561
		Acido perclorico 0.1 mol/l (0.1N)	561
		Acido perclorico 0.1 mol/l (0.1N) in acido acetico	562
		Acido perclorico 0.05 mol/l (0.05N)	562
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		Acido solforico 98%	730
		Acido solforico d=1,820	743
		Acido solforico 96% (66°Bé)	731
		Acido solforico 96%	731
		Acido solforico 95 - 97 %	733
		Acido solforico 93-98%	733
		Acido solforico 90%	734
		Acido solforico 85%	734
		Acido solforico 72%	735
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		Acido solforico 50%	735
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		Acido solforico 30%	736
		Acido solforico 25%	736
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Acido solforico 10% v/v	737	Alliltiurea	150	Anidride succinica	725
Acido solforico 4 mol/l (8N)	737	Allumina bianca	151	Anidride trifluoroacetica	774
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