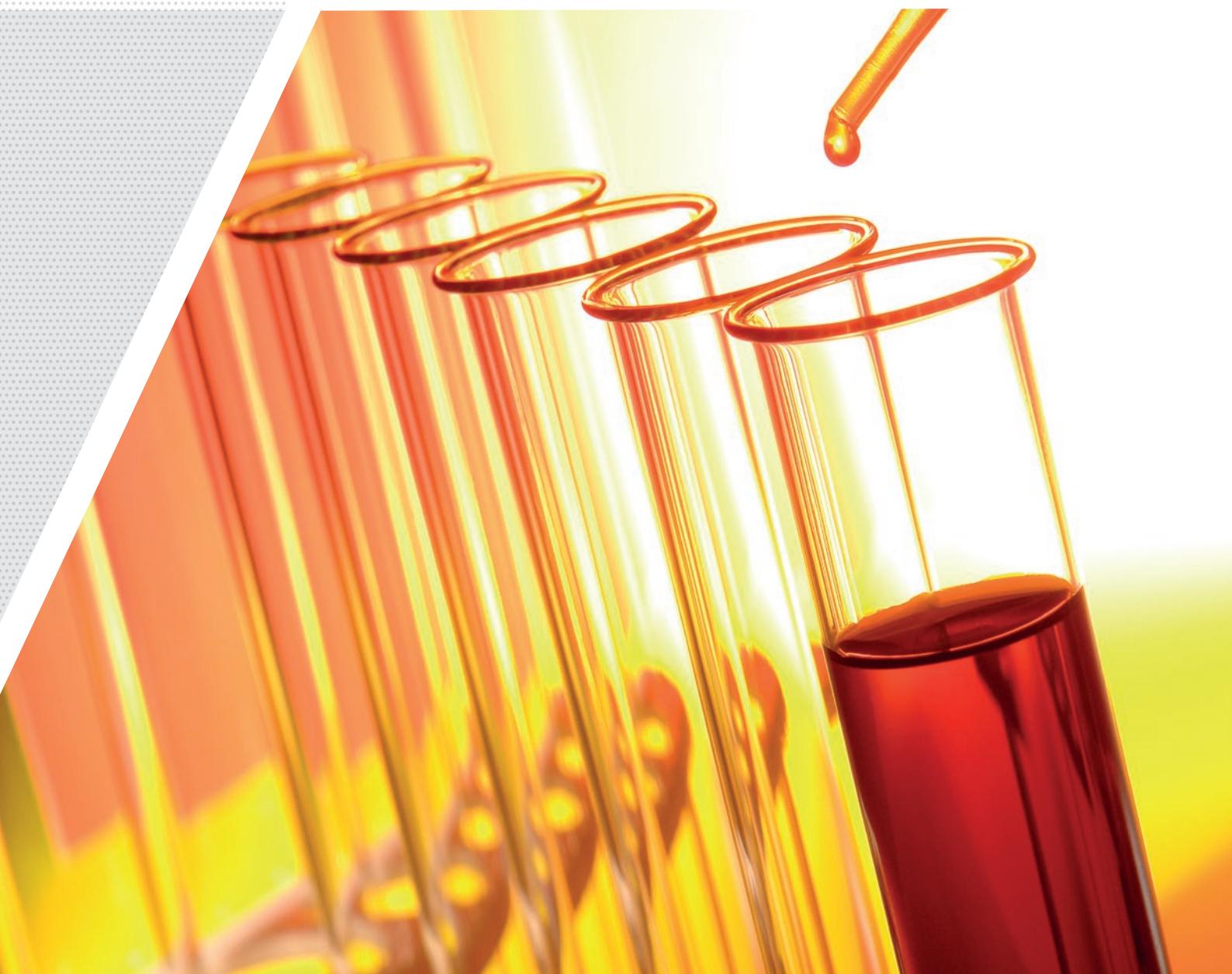


Analytical and
pure reagents



ITW PanReac AppliChem
ITW Reagents

Analytical and pure reagents



At ITW Reagents we know the importance of reagents suitable in terms of purity and consistent from batch to batch. All our products are analyzed according to their specific applications. ITW Reagents ensures the quality of each product by a comprehensive set of analyses in our quality control laboratories.

The portfolio of ITW Reagents includes solvents, acids, bases and salts. The specifications comply with international standards and regulations such as **ISO** (International Organization for Standardization), **ACS** (American Chemical Society) and/or fulfil the requirements indicated in the Pharmacopeias (**Ph. Eur.** or **USP**) for the reagents to be used for **analytical purposes**.



A selection of reagents for general analytical applications is shown in the table below.

For other analytical applications please check also our other dedicated brochures, e.g. Reagents for HPLC and spectroscopy, High purity reagents for pesticide residues analysis, Ultra pure reagents for metallic traces analysis, Volumetric solutions and related products, Reagents for pharma industry, Analytical standards, Reagents for wine analysis, etc.

Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
A 131008	Acetic Acid glacial (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	64-19-7	99.7%	X	X	X	X	1 L, 2.5 L, 5 L
141008	Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade	64-19-7	99.5-100.5%					1 L, 2.5 L
122703	Acetic Acid 96% for analysis	64-19-7	96.0%					1 L, 2.5 L
121556	Acetic Acid 80% for analysis	64-19-7	80.0%					1 L
127136	Acetic Acid 30% for analysis	64-19-7	30%					10 L
145365	Acetic Acid : Chloroform 3:2 - Mixture v/v pure							2.5 L
131147	Acetic Anhydride (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	108-24-7	99%	X	X	X	X	1 L, 25 L
131007	Acetone (Reag. Ph. Eur.) for analysis, ACS, ISO	67-64-1	99.5%	X	X	X	X	1 L, 2.5 L, 5 L, 10 L, 25 L, 30 L
141007	Acetone (USP, BP, Ph. Eur.) pure, pharma grade	67-64-1	99.5%					1 L, 2.5 L, 5 L, 25 L, 190 L
287184	Acetone + Bromophenol blue 4.5 mg/L for determination of soap content in oils and fats							5 L
131881	Acetonitrile (Reag. Ph. Eur.) for analysis, ACS	75-05-8	99.7%	X		X	X	2.5 L, 200 L
141792	Agar (USP-NF) pure, pharma grade	9002-18-0					X	1 kg
141959	Alkylbenzyldimethylammonium Chloride pure	8001-54-5	97-103%					1 kg
177137	Allylthiourea solution (1 g/L) for BOD determination							250 mL
141097	Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-13-6	95.0-101.0%					500 g, 25 kg
141103	Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7784-24-9	99.0-100.5%			X		1 kg, 25 kg
141101	Aluminium Sulfate 18-hydrate pure	7784-31-8	51.0-59.0% (as Al ₂ (SO ₄) ₃)					1 kg
126352	Amido Black 10B solution for the determination of protein content in milk for analysis							5 L
131056	Amidosulfuric Acid (Reag. USP, Ph. Eur.) for analysis, ACS	5329-14-6	99.5-100.3%	X		X	X	500 g, 1 kg
131130	Ammonia 30% (as NH ₃) for analysis, ACS	1336-21-6	28.0-30.0%	X			X	1 L, 2.5 L, 25 L, 200 L
141130	Ammonia 30% (as NH ₃) (USP-NF, BP, Ph. Eur.) pure, pharma grade	1336-21-6	27.0-30.0%			X		1 L, 2.5 L, 5 L, 200 L
121129	Ammonia 25% (as NH ₃) (Reag. USP, Ph. Eur.) for analysis	1336-21-6	25.0-27.0%			X	X	1 L, 2.5 L, 5 L, 25 L
141129	Ammonia 25% (as NH ₃) (BP, Ph. Eur.) pure, pharma grade	1336-21-6	25.0-27.0%					1 L, 5 L, 25 L
121128	Ammonia 20% (as NH ₃) for analysis	1336-21-6	20%					1 L
A2616	Ammonia 10% (as NH ₃) for analysis	1336-21-6	10%					5 L
131114	Ammonium Acetate (Reag. USP, Ph. Eur.) for analysis, ACS	631-61-8	98%	X		X	X	500 g, 1 kg, 5 kg, 25 kg
131119	Ammonium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS	10361-29-2	30.0% (as NH ₃)	X		X	X	500 g
141119	Ammonium Carbonate (USP-NF) pure, pharma grade	10361-29-2	30.0-34.0% (as NH ₃)					1 kg
132748	Ammonium Cerium(IV) Sulfate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS	10378-47-9	99.0%	X		X	X	250 g
131121	Ammonium Chloride (Reag. USP) for analysis, ACS, ISO	12125-02-9	99.5%	X	X		X	500 g, 1 kg, 5 kg, 25 kg
141121	Ammonium Chloride (USP, BP, Ph. Eur.) pure, pharma grade	12125-02-9	99.5-100.5%			X		500 g, 1 kg, 5 kg, 25 kg
141116	Ammonium Hydrogen Carbonate (BP, Ph. Eur.) pure, pharma grade	1066-33-7	98.0-101.0%					25 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
131120	di-Ammonium Hydrogen Citrate (Reag. USP, Ph. Eur.) for analysis, ACS	3012-65-5	98.0-103.0%	X		X	X	500 g, 1 kg, 25 kg
141911	Ammonium Hydrogen di-Fluoride pure	1341-49-7	98%					1 kg
131126	Ammonium di-Hydrogen Phosphate (Reag. Ph. Eur.) for analysis, ACS	7722-76-1	99%	X		X	X	1 kg, 25 kg
131127	di-Ammonium Hydrogen Phosphate (Reag. Ph. Eur.) for analysis, ACS	7783-28-0	99.0%	X		X	X	1 kg, 25 kg
131368	Ammonium Iron(II) Sulfate 6-hydrate (Reag. Ph. Eur.) for analysis, ISO	7783-85-9	99.0-101.0%		X	X		500 g, 1 kg, 25 kg
131365	Ammonium Iron(III) Sulfate 12-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	7783-83-7	98.5-102.0%	X	X	X	X	500 g, 25 kg
131134	Ammonium Molybdate 4-hydrate (Reag. Ph. Eur.) for analysis, ACS, ISO	12054-85-2	99.0%	X	X	X	X	100 g, 250 g, 1 kg
131136	di-Ammonium Oxalate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS	6009-70-7	99.5-101.0%	X		X	X	500 g, 1 kg
131138	Ammonium Peroxodisulfate (APS) (Reag. Ph. Eur.) for analysis, ACS	7727-54-0	98.0%	X		X	X	500 g, 1 kg, 25 kg
131140	Ammonium Sulfate (Reag. Ph. Eur.) for analysis, ACS, ISO	7783-20-2	99.0%	X	X	X	X	500 g, 1 kg, 5 kg, 25 kg
141140	Ammonium Sulfate pure	7783-20-2	99%					1 kg, 25 kg
143299	Ammonium Sulfide solution 20% w/w pure	12135-76-1	20%					1 L
131143	Ammonium Thiocyanate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	1762-95-4	99.0%	X	X	X	X	500 g, 1 kg, 25 kg
132352	Ammonium meta-Vanadate (Reag. USP, Ph. Eur.) for analysis, ACS	7803-55-6	99.0%	X		X	X	250 g
125715	Amyl Alcohol according to NF V 04-210 for analysis	123-51-3	98%					1 L
131013	L(+)-Ascorbic Acid for analysis, ACS	50-81-7	99.0%	X			X	100 g, 250 g, 1 kg
141013	L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pure, pharma grade	50-81-7	99.0-100.5%			X		1 kg, 5 kg
176131	Azidiol							1 L
123581	Azomethine H for analysis	32266-60-7						10 g
B 131182	Barium Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	10326-27-9	99.0%	X	X	X	X	500 g, 1 kg, 5 kg, 25 kg
171183	Barium Chloride solution 10% w/v	10361-37-2	10.0±0.1% (w/v)					500 mL
131188	Barium Hydroxide 8-hydrate (Reag. Ph. Eur.) for analysis, ISO	12230-71-6	98.0%		X	X		500 g, 1 kg
131192	Benzene (Reag. Ph. Eur.) for analysis, ACS, ISO	71-43-2	99.5%	X	X	X	X	1 L, 2.5 L, 25 L
143083	Benzethonium Chloride (BP, Ph. Eur.) pure, pharma grade	121-54-0	97.0-103.0%					250 g, 1 kg
141014	Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade	65-85-0	99.5-100.5%			X		1 kg, 25 kg
142357	Benzoyl Peroxide humidified with ~ 25% of H ₂ O (USP, BP, Ph. Eur.) pure, pharma grade	94-36-0	98%					500 g
131081	Benzyl Alcohol for analysis, ACS	100-51-6	99.5%	X				1 L
141081	Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade	100-51-6	98.0-100.5%			X		1 L, 5 L, 25 L, 200 L
143977	D(+)-Biotin (USP) pure, pharma grade	58-85-5	98.5-101.0%					1 g, 50 g
125417	Blue Primary Solution (BP, Ph. Eur.) for analysis					X		100 mL
131015	Boric Acid for analysis, ACS, ISO	10043-35-3	99.8%	X	X		X	500 g, 1 kg, 5 kg
141015	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade	10043-35-3	99.0-100.5%			X		500 g, 1 kg, 5 kg, 25 kg
131199	Bromine (Reag. Ph. Eur.) for analysis, ACS, ISO	7726-95-6	99.5%	X	X	X	X	100 mL

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
141199	Bromine pure	7726-95-6	99%					250 mL
126294	Bromine solution 1%, in hydrobromic acid for analysis		1.0±0.2%					1 L
125535	Bromine Index AMDS solution for analysis							2.5 L
171072	Bromine Water saturated solution (Reag. Ph. Eur.)	7726-95-6				X		500 mL
131759	Bromocresol Green for analysis, ACS	76-60-8		X				5 g, 25 g
121546	Bromocresol Purple (Reag. USP) for analysis	115-40-2				X		25 g
144747	2-Bromo-2-Nitro-1,3-Propanediol (BP) pure, pharma grade	52-51-7	99.0-101.0%					100 g, 1 kg
131165	Bromophenol Blue (Reag. USP, Ph. Eur.) for analysis, ACS	115-39-9		X		X	X	5 g, 25 g
131167	Bromothymol Blue (Reag. USP) for analysis, ACS	76-59-5		X			X	5 g, 25 g
177177	Buffer Solution pH 5.5 (20°C) for determination of aluminum							5 L
131082	1-Butanol (Reag. Ph. Eur.) for analysis, ACS, ISO	71-36-3	99.5%	X	X	X	X	1 L, 2.5 L, 5 L
123851	2-Butanol (Reag. Ph. Eur.) for analysis	78-92-2	99.0%				X	1 L
131429	Butanone (Methylethylketone) (Reag. USP, Ph. Eur.) for analysis, ACS	78-93-3	99.5%	X		X	X	1 L, 2.5 L, 5 L, 200 L
141429	Butanone (Methylethylketone) pure	78-93-3	99.5%					1 L, 2.5 L, 5 L
131202	n-Butyl Acetate (Reag. USP, Ph. Eur.) for analysis, ACS	123-86-4	99.5%	X		X	X	1 L, 200 L
142825	Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade	128-37-0	99.0%				X	1 kg
133312	tert-Butyl Methyl Ether (Reag. USP, Ph. Eur.) for analysis, ACS	1634-04-4	99.8%	X		X	X	1 L, 2.5 L
143312	tert-Butyl Methyl Ether pure	1634-04-4	99.5%					2.5 L
C 142833	Caffeine anhydrous (BP, Ph. Eur.) pure, pharma grade	58-08-2	98.5-101.5%				X	100 g, 1 kg, 5 kg
141211	Calcium Acetate x-hydrate (USP) pure, pharma grade	62-54-4	99.0-100.5%					1 kg, 25 kg
121212	Calcium Carbonate precipitated for analysis	471-34-1	99.0%					500 g, 1 kg
141212	Calcium Carbonate precipitated (USP, BP, Ph. Eur.) pure, pharma grade	471-34-1	98.5-100.5%			X		500 g, 1 kg
141221	Calcium Chloride anhydrous, granulated pure	10043-52-4	97%					500 g, 1 kg, 25 kg
131232	Calcium Chloride 2-hydrate powder (Reag. USP) for analysis, ACS	10035-04-8	99.0-105.0%	X			X	500 g, 1 kg, 5 kg, 25 kg
121214	Calcium Chloride 6-hydrate for analysis	7774-34-7	98.0%					1 kg, 25 kg
142400	Calcium Hydroxide, powder (USP, BP, Ph. Eur., JP) pure, pharma grade	1305-62-0	95.0-100.5%					1 kg, 5 kg

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2 Product in glass bottle with pouring ring, see page 9.

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Standard solutions according to pharmacopeia

Primary color standards

Product codes:
125415 (yellow)
125416 (red)
125417 (blue)



Turbidity standard

Product codes:
395464 (solution A)
395465 (solution B)



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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
171230	Calcium Lactate 5-hydrate for soil testing	28305-25-1	98%					1 kg, 5 kg
131231	Calcium Nitrate 4-hydrate for analysis, ACS	13477-34-4	99.0-103.0%	X			X	1 kg, 5 kg, 25 kg
141228	tri-Calcium Phosphate (BP, Ph. Eur.) pure, pharma grade	7758-87-4	35.0-40.0% (as Ca)					500 g
131235	Calcium Sulfate 2-hydrate for analysis, ACS	10101-41-4	98.0-101.0%	X			X	500 g
123575	Calconcarboxylic Acid (Reag. Ph. Eur.) for analysis	3737-95-9					X	25 g
131244	Carbon Disulfide for analysis, ACS	75-15-0	99.9%	X			X	1 L
173355	Carrez's Reagent I							1 L
173356	Carrez's Reagent II							1 L, 5 L
121248	Cerium(IV) Sulfate 4-hydrate (Reag. USP, Ph. Eur.) for analysis	10294-42-5	98%			X	X	100 g, 250 g, 5 kg
122509	Cesium Chloride for analysis	7647-17-8	99.5%					25 g, 100 g
122054	Cetyltrimethylammonium Bromide for analysis	57-09-0	99%					250 g
121237	Charcoal Activated powder for analysis	7440-44-0						500 g, 25 kg
141975	Chloral Hydrate (BP, Ph. Eur.) pure, pharma grade	302-17-0	98.5-101.0%					500 g, 1 kg, 5 kg
142323	Chloramine T 3-hydrate (BP, Ph. Eur.) pure, pharma grade	7080-50-4	98.0-103.0%			X		250 g
141953	Chlorobenzene pure	108-90-7	99%					1 L, 2.5 L
124856	Chlorobenzene / Acetic Acid 2:1 (Mixture TBN) (ASTM D2896) for analysis							1 L, 2.5 L
133101	Chloroform stabilized with ~ 50 ppm of amylene (Reag. USP, Ph. Eur.) for analysis, ACS	67-66-3	99.8%	X		X	X	1 L, 2.5 L
131252	Chloroform stabilized with ethanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	67-66-3	99.0%	X	X	X	X	1 L, 2.5 L, 30 L
141252	Chloroform stabilized with ethanol pure	67-66-3	99.0%					1 L, 2.5 L, 5 L
145226	4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) pure, pharma grade	59-50-7	99.0-101.0%					1 kg
121275	Chromium(III) Nitrate 9-hydrate for analysis	7789-02-8	98.0%					25 kg
131808	Citric Acid anhydrous for analysis, ACS	77-92-9	99.5%	X			X	500 g, 1 kg, 25 kg
141808	Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade	77-92-9	99.5-100.5%			X		1 kg, 5 kg, 25 kg
131018	Citric Acid 1-hydrate (Reag. USP) for analysis, ACS, ISO	5949-29-1	99.5-102.0%	X	X		X	500 g, 1 kg, 5 kg, 25 kg
141018	Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade	5949-29-1	99.5-100.5%					1 kg, 5 kg, 25 kg
131257	Cobalt(II) Chloride 6-hydrate (Reag. Ph. Eur.) for analysis, ACS, ISO	7791-13-1	99.0-102.0%	X	X	X	X	250 g, 5 kg
141257	Cobalt(II) Chloride 6-hydrate pure	7791-13-1	98%					100 g, 250 g, 1 kg
131258	Cobalt(II) Nitrate 6-hydrate (Reag. Ph. Eur.) for analysis, ACS	10026-22-9	98.0-102.0%	X		X	X	100 g
141259	Cobalt(II) Sulfate 7-hydrate pure	10026-24-1	98%					500 g, 25 kg
141278	Collodion solution 4% w/v (USP) pure, pharma grade		5.0% (w/w)					250 mL, 1 L, 25 L
173655	Concentrated solution for the sand equivalent determination							125 mL
131264	Copper(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS	10125-13-0	99.0%	X		X	X	500 g, 1 kg
172308	Copper(II) Ethylenediamine Reagent	14552-35-3						1 L, 2.5 L
131267	Copper(II) Nitrate 3-hydrate (Reag. Ph. Eur.) for analysis, ACS	10031-43-3	99.0%	X		X	X	500 g

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
122726	Copper(II) Sulfate anhydrous (Reag. USP) for analysis	7758-98-7	98%				X	250 g
142726	Copper(II) Sulfate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-98-7	99.0-101.0%					250 g, 1 kg, 5 kg
131270	Copper(II) Sulfate 5-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	7758-99-8	99-101%	X	X	X	X	500 g, 1 kg, 5 kg, 25 kg
131762	Crystal Violet (C.I. 42555)(Reag. Ph. Eur.) for analysis, ACS	548-62-9	90.0%	X		X		100 g
131250	Cyclohexane (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	110-82-7	99.5%	X	X	X	X	1 L, 2.5 L, 5 L, 25 L, 30 L
D 175055	Detergent Acid Solution							4 L
175054	Detergent Neutral Solution							4 L
133534	1,2-Diaminocyclohexane-N,N,N',N'-Tetraacetic Acid 1-hydrate (Reag. Ph. Eur.) for analysis, ACS	125572-95-4	97.5-100.5%	X		X	X	100 g
131254	Dichloromethane stabilized with ~ 20 ppm of amylene (Reag. Ph. Eur.) for analysis, ACS, ISO	75-09-2	99.8%	X	X	X	X	1 L, 2.5 L, 5 L, 10 L, 30 L, 200 L
132056	2,6-Dichlorophenol Indophenol Sodium Salt 2-hydrate (Reag. Ph. Eur.) for analysis, ACS	620-45-1		X		X	X	5 g
131288	Diethylamine (Reag. USP, Ph. Eur.) for analysis, ACS	109-89-7	99.5%	X		X	X	1 L, 25 L
132770	Diethyl Ether stabilized with ~ 6 ppm of BHT (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	60-29-7	99.7%	X	X	X	X	1 L, 2.5 L, 5 L, 10 L, 25 L, 30 L
142770	Diethyl Ether stabilized with ~ 6 ppm of BHT pure	60-29-7	99.5%					1 L, 5 L
131314	Di-Isopropyl Ether stabilized with ~ 50 ppm of BHT for analysis, ACS	108-20-3	99.0%	X				1 L, 2.5 L
123145	N,N-Dimethylacetamide (Reag. Ph. Eur.) for analysis	127-19-5	99.5%			X		1 L, 25 L
131293	4-(Dimethylamino) Benzaldehyde (Reag. Ph. Eur.) for analysis, ACS	100-10-7	99.0%	X		X	X	100 g
131785	N,N-Dimethylformamide (Reag. Ph. Eur.) for analysis, ACS, ISO	68-12-2	99.8%	X	X	X	X	1 L, 2.5 L, 5 L, 25 L
131954	Dimethyl Sulfoxide (Reag. Ph. Eur.) for analysis, ACS	67-68-5	99.9%	X		X	X	1 L, 2.5 L, 10 L
122844	Dimidium Bromide (Reag. Ph. Eur.) for analysis	518-67-2	95%			X		1 g
122325	2,4-Dinitrophenylhydrazine moistened with~ 33% of H ₂ O (Reag. Ph. Eur.) for analysis	119-26-6	99.0%			X		25 g
131296	1,4-Dioxan stabilized with ~ 25 ppm of BHT (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	123-91-1	99.5%	X	X	X	X	1 L, 25 L
141296	1,4-Dioxan stabilized with ~ 25 ppm of BHT pure	123-91-1	99.5%					1 L
131828	Diphenylamine (Reag. Ph. Eur.) for analysis, ACS	122-39-4	99.0%	X		X	X	100 g
123577	1,5-Diphenylcarbazide (Reag. Ph. Eur.) for analysis	140-22-7				X		25 g

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Cleaning agents for laboratory DERQUIM®

This product line has been specially made for laboratory glassware and equipment. DERQUIM® products can be used for manual cleaning (LM series) or automatic dishwashers, (LA series). Find more information about the whole product line on https://www.itwreagents.com/download_file/info_point/IP-045/en/IP-045_en.pdf.



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
E 131026	EDTA for analysis, ACS	60-00-4	99.4-100.6%	X			X	500 g, 1 kg, 5 kg, 25 kg
141026	EDTA (USP-NF, BP, Ph. Eur) pure, pharma grade	60-00-4	98.0-100.5%					1 kg
131669	EDTA Disodium Salt 2-hydrate (Reag. Ph. Eur.) for analysis, ACS	6381-92-6	99.0-101.0%	X		X	X	500 g, 250 g, 1 kg, 5 kg, 25 kg
141669	EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6381-92-6	99.0-101.0%					1 kg, 5 kg, 25 kg
141952	EDTA Tetrasodium Salt 4-hydrate pure	13235-36-4	98%					1 kg, 5 kg
131299	Eosin Yellowish (C.I. 45380) for analysis, ACS	17372-87-1		X			X	25 g
131439	Eriochrome Black T (C.I. 14645)(Reag. Ph. Eur.) for analysis, ACS	1787-61-7		X		X		25 g, 100 g
131086	Ethanol absolute (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	64-17-5	99.8% (v/v)	X	X	X	X	1 L, 2.5 L, 5 L, 10 L, 25 L, 200 L
141086	Ethanol absolute pure	64-17-5	99.5% (v/v)					1 L, 2.5 L, 5 L, 10 L, 25 L
A1613	Ethanol absolute for analysis	64-17-5	99.8%					1 L, 2.5 L, 5 L
A4230	Ethanol absolute (USP, Ph. Eur.) pure, pharma grade	64-17-5	99.5% (v/v)					1 L, 2.5 L
191086	Ethanol absolute (USP, BP, Ph. Eur.) pharma grade	64-17-5	99.5% (v/v)					1 L, 2.5 L, 5 L, 25 L, 200 L
127194	Ethanol 99.8% denatured with IPA, MEK and Bitrex for analysis	64-17-5	99%					2.5 L
147194	Ethanol 99.8% denatured with IPA, MEK and Bitrex pure	64-17-5	99.8%					2.5 L, 5 L, 10 L, 25 L
131085	Ethanol 96% v/v (Reag. USP, Ph. Eur.) for analysis, ACS	64-17-5	96.0-96.6% (v/v)	X		X	X	1 L, 2.5 L, 5 L, 10 L, 25 L
141085	Ethanol 96% v/v (USP, BP, Ph. Eur.) pure, pharma grade	64-17-5	96.0-96.6% (v/v)					1 L, 2.5 L, 5 L, 10 L, 25 L, 200 L
A1868	Ethanol 96% v/v for analysis	64-17-5	96% (v/v)					1 L
A1615	Ethanol 96% v/v (BP, Ph. Eur.) pure, pharma grade	64-17-5	95.1-96.9% (v/v)					2.5 L, 5 L, 25 L
147195	Ethanol 96% denatured with IPA, MEK and Bitrex pure	64-17-5	96.0%					1 L, 2.5 L, 5 L, 25 L
A2192	Ethanol 70% for analysis	64-17-5	70%					1 L, 5 L
A0913	Ethanol 70% (DAB) pure, pharma grade	64-17-5	69.2-70.8% (v/v)					250 mL, 1 L, 5 L
192695	Ethanol 70% v/v (BP) pharma grade	64-17-5	69.5-70.4% (v/v)					1 L, 2.5 L, 5 L, 10 L, 25 L
147196	Ethanol 70% denatured with IPA, MEK and Bitrex pure	64-17-5	69.0-71.0%					2.5 L, 5 L, 10 L
131924	Ethanolamine for analysis, ACS	141-43-5	99.0%	X			X	1 L
131318	Ethyl Acetate (Reag. Ph. Eur.) for analysis, ACS, ISO	141-78-6	99.8%	X	X	X	X	1 L, 2.5 L, 5 L, 10 L, 25 L
121316	Ethylene Glycol (Reag. USP, Ph. Eur.) for analysis	107-21-1	99.5%			X	X	1 L, 2.5 L, 5 L, 25 L, 200 L
141316	Ethylene Glycol pure	107-21-1	99%					1 L, 2.5 L, 5 L, 25 L
131897	Ethylene Glycol mono-Methyl Ether for analysis, ACS	109-86-4	99.5%	X			X	1 L
142085	Eucalyptol (USP) pure, pharma grade	470-82-6	98.0-100.0%					1 L

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

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2 Product in glass bottle with pouring ring, see page 9.

3 Check availability in your country.

Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
F 122389	Fluorescein Sodium (C.I. 45350) for analysis	518-47-8						100 g, 500 g, 1 kg
A7092	Folic acid crystalline (Ph. Eur., USP) pure, pharma grade	59-30-3				X		25 g, 100 g
131328	Formaldehyde 37-38% w/w stabilized with methanol (Reag. USP) for analysis, ACS	50-00-0	36.5-38.0%	X			X	1 L, 2.5 L, 5 L, 25 L
141328	Formaldehyde 37-38% w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade	50-00-0	37.0-38.0%			X		1 L, 2.5 L, 5 L, 25 L, 200 L
143091	Formaldehyde solution 10% neutralized, stabilized with methanol pure	50-00-0	10%					5 L, 10 L
131956	Formamide for analysis, ACS	75-12-7	99.5%	X			X	1 L
131030	Formic Acid 98% for analysis, ACS	64-18-6	98.0%	X				1 L, 2.5 L, 25 L
141030	Formic Acid 98% pure	64-18-6	98%					1 L
121029	Formic Acid 85% for analysis	64-18-6	85.0%					1 L, 2.5 L
141029	Formic Acid 85% pure	64-18-6	85%					1 L, 5 L
142728	D(-)-Fructose (USP, BP, Ph. Eur.) pure, pharma grade	57-48-7	98.0-102.0%			X		500 g, 5 kg, 25 kg
G 142173	D(+)-Galactose pure	59-23-4	97.0-102.0%					1 kg, 5 kg
142060	Gelatine 80-100 Blooms (USP-NF, BP, Ph. Eur.) pure, pharma grade	9000-70-8						500 g
147116	Gelatin powdered, (Ph. Eur., USP-NF) pure, pharma grade	9000-70-8						500 g, 2.5 kg
131341	D(+)-Glucose anhydrous for analysis, ACS	50-99-7		X				500 g, 1 kg, 25 kg
141341	D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	50-99-7				X		500 g, 1 kg, 5 kg, 25 kg
143140	D(+)-Glucose 1-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	77938-63-7						1 kg, 5 kg, 25 kg
131339	Glycerol for analysis, ACS, ISO	56-81-5	99.5%	X	X		X	1 L, 2.5 L, 5 L
141339	Glycerol (USP, BP, Ph. Eur.) pure, pharma grade	56-81-5	99.0-101.0%			X		1 L, 2.5 L, 5 L, 25 L
122329	Glycerol 87% for analysis	56-81-5	86.0-88.0%					1 L, 5 L
142329	Glycerol 87% (BP, Ph. Eur.) pure, pharma grade	56-81-5	83.5-88.5%			X		1 L, 5 L
131340	Glycine (Reag. USP) for analysis, ACS	56-40-6	99.0%	X			X	250 g, 1 kg, 5 kg
141340	Glycine (USP, BP, Ph. Eur.) pure, pharma grade	56-40-6	99.0-101.0%			X		1 kg, 5 kg, 25 kg
171569	Griess-Ilosvay's A Reagent							100 mL
171570	Griess-Ilosvay's B Reagent							100 mL
144229	Guanidine Hydrochloride pure	50-01-1	98%					1 kg, 5 kg, 25 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see below.

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Keep yourself safe and the work area clean using our glass bottles with pouring ring!

For corrosive products, such as acids and bases, we use glass bottles with pouring ring. The pouring ring prevents from any drop sliding down the outside of the bottle that could damage the label, the surface area or could harm the user.



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
H 122062	n-Heptane (Reag. Ph. Eur.) for analysis	142-82-5	99.0%			X		1 L, 2.5 L, 5 L, 200 L
142062	n-Heptane pure	142-82-5	99%					25 L, 30 L
121345	Heptane, alkanes mixture for analysis	142-82-5						1 L, 2.5 L
134433	Hexachloroplatinic(IV) Acid 6-hydrate (Reag. Ph. Eur.) for analysis, ACS	18497-13-7	37.50% (as Pt)	X		X	X	1 g
131346	Hexamethylenetetramine (Reag. Ph. Eur.) for analysis, ACS	100-97-0	99.0-100.5%	X		X	X	500 g, 1 kg, 25 kg
132063	n-Hexane (Reag. USP, Ph. Eur.) for analysis, ACS	110-54-3	99.0%	X		X	X	1 L, 2.5 L
133242	n-Hexane 95% for analysis, ACS	110-54-3	95.0%	X				1 L, 2.5 L
173242	n-Hexane 95% for EOX analysis	110-54-3	95.0%					2.5 L
143242	n-Hexane 95% pure	110-54-3	95%					25 L, 200 L
121347	Hexane, alkanes mixture for analysis	92112-69-1	95.0% (as isomers)					1 L, 2.5 L, 5 L, 25 L, 30 L
131350	Hydrazinium Sulfate for analysis, ACS	10034-93-2	99.0%	X			X	500 g
132213	Hydriodic Acid 57% for analysis, ACS	10034-85-2	55.0-58.0%	X			X	1 L
131017	Hydrobromic Acid 48% for analysis, ACS, ISO	10035-10-6	47.0-49.0%	X	X		X	1 L
471020	Hydrochloric Acid 37% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO	7647-01-0	36.5-38.0%	X	X		X	1 L, 2.5 L
131020	Hydrochloric Acid 37% (Reag. USP) for analysis, ACS, ISO	7647-01-0	36.5-38.0%	X	X		X	1 L, 2.5 L, 5 L
141020	Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7647-01-0	36.5-38.0%			X		1 L, 2.5 L, 5 L, 20 L, 25 L
132176	Hydrochloric Acid 32% for analysis, ISO	7647-01-0	32%		X			1 L, 2.5 L, 5 L
133378	Hydrochloric Acid 25% for analysis, ISO	7647-01-0	25.0%		X			1 L, 2.5 L, 5 L
143378	Hydrochloric Acid 25% pure	7647-01-0	25%					2.5 L
142523	Hydrochloric Acid 20% pure	7647-01-0	20%					5 L
146316	Hydrochloric Acid 15% pure	7647-01-0	15%					5 L
123006	Hydrochloric Acid 10% w/w for analysis	7647-01-0	10%					1 L
143006	Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade	7647-01-0	9.5-10.5%					1 L, 10 L, 25 L
131028	Hydrofluoric Acid 48% for analysis, ACS, ISO	7664-39-3	48.0-51.0%	X	X		X	1 L, 2.5 L
133070	Hydrofluoric Acid 40% for analysis, ISO	7664-39-3	40-42%		X			1 L, 2.5 L
147145	Hydrogen Peroxide 35% pure	7722-84-1	35%					1 L, 5 L
131077	Hydrogen Peroxide 33% w/v (110 vol.) (Reag. USP) for analysis, ACS, ISO	7722-84-1	30.0-32.0% (w/w)	X	X		X	1 L, 5 L
141077	Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade	7722-84-1	29.0-31.0% (w/w)			X		1 L, 5 L, 25 L
121076	Hydrogen Peroxide 30% w/v (100 vol.) for analysis	7722-84-1	30.0% (w/v)					1 L, 5 L
141076	Hydrogen Peroxide 30% w/v (100 vol.) stabilized pure	7722-84-1	30% (w/v)					1 L, 5 L
125513	Hydrogen Peroxide 10% w/w for analysis	7722-84-1	10%					1 L
142660	Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) pure, pharma grade	7722-84-1	5.0-7.0% (w/v)					1 L, 5 L
141351	Hydroquinone (USP) pure, pharma grade	123-31-9	99.0-100.5%					5 kg
471914	Hydroxylammonium Chloride (max. 0.000001% Hg) (Reag. USP) for analysis, ACS, ISO	5470-11-1	99.5%	X	X		X	250 g
131914	Hydroxylammonium Chloride (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	5470-11-1	99.5%	X	X	X	X	250 g, 1 kg, 5 kg
141914	Hydroxylammonium Chloride pure	5470-11-1	99%					250 g, 1 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
132536	Imidazole (Reag. USP, Ph. Eur.) for analysis, ACS	288-32-4	99.0%	X		X	X	500 g
131771	Iodine resublimed pearls for analysis, ACS	7553-56-2	99.8%	X			X	100 g, 250 g, 500 g, 1 kg
141771	Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade	7553-56-2	99.8-100.5%			X		100 g, 250 g, 1 kg, 5 kg, 25 kg
141909	Iodoform pure	75-47-8	99%					2.5 kg
141358	Iron(III) Chloride 6-hydrate pure	10025-77-1	97-102%					500 g, 1 kg, 5 kg
141297	Iron(III) Nitrate 9-hydrate pure	7782-61-8	98%					1 kg, 5 kg
141360	Iron(III) Sulfate x-hydrate ~ 75% pure	10028-22-5						500 g, 5 kg
131362	Iron(II) Sulfate 7-hydrate (Reag. USP) for analysis, ACS	7782-63-0	99.0%	X			X	500 g, 1 kg, 25 kg
141362	Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7782-63-0	99.5-104.5%			X		500 g, 1 kg, 5 kg, 25 kg
131079	Isoamyl Alcohol (Reag. Ph. Eur.) for analysis, ACS	123-51-3	99%	X		X	X	1 L
121079	Isoamyl Alcohol according to Gerber for analysis	123-51-3	98.5%					1 L, 2.5 L, 25 L
131089	Isobutanol (Reag. Ph. Eur.) for analysis, ACS	78-83-1	99.0%	X		X	X	1 L, 25 L
141089	Isobutanol pure	78-83-1	99%					2.5 L, 25 L
132064	Isooctane (Reag. Ph. Eur.) for analysis, ACS	540-84-1	99.0%	X		X	X	1 L, 2.5 L, 5 L
125273	Isoparaffin G for analysis	90622-57-4						2.5 L, 5 L
123501	Isopentane for analysis	78-78-4	99.5%					1 L
143501	Isopentane pure	78-78-4	98%					1 L
143712	Isopropyl Myristate (Ph. Eur.) pure, pharma grade	110-27-0	90.0%			X		1 L, 2.5 L
L 121034	L(+)-Lactic Acid for analysis	79-33-4	85.0%					1 L
141034	L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade	79-33-4	88.0-92.0%			X		1 L, 5 L, 25 L
141375	D(+)-Lactose 1-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade	10039-26-6				X		500 g, 1 kg, 5 kg
122848	Lanthanum(III) Chloride 7-hydrate for analysis	10025-84-0	98.0%					100 g
122669	Lanthanum(III) Nitrate 6-hydrate (Reag. Ph. Eur.) for analysis	10277-43-7	99%			X		100 g
122705	Lanthanum(III) Oxide for analysis	1312-81-8	99%					50 g, 250 g
131466	Lead(II) Acetate 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	6080-56-4	99.5-103.0%	X	X	X	X	500 g
131473	Lead(II) Nitrate (Reag. Ph. Eur.) for analysis, ACS	10099-74-8	99.0%	X		X	X	500 g
122903	di-Lithium tetra-Borate for analysis	12007-60-2	98.0%					1 kg
121928	Lithium Hydroxide 1-hydrate for analysis	1310-66-3	99%					1 kg
172174	Luff-Schoorl's Reagent							1 L

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

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Reagents for Karl Fischer titration

Maximum speed and precision in water content determination with Aquametric® pyridine-free Karl Fischer reagents. Use our NIST-traceable Karl Fischer water standards to calculate the titre of Aquametric® Karl Fischer reagents for volumetric titration and to check the reliability of water determination using the coulometric method.



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
M 131396	Magnesium Chloride 6-hydrate for analysis, ACS, ISO	7791-18-6	99.0-102.0%	X	X		X	500 g, 1 kg
141396	Magnesium Chloride 6-hydrate (BP, Ph. Eur.) pure, pharma grade	7791-18-6	98.0-101.0%			X		250 g, 1 kg, 5 kg
131402	Magnesium Nitrate 6-hydrate (Reag. Ph. Eur.) for analysis, ACS	13446-18-9	98.0-102.0%	X		X	X	1 kg, 25 kg
141276	Magnesium Oxide light (BP, Ph. Eur.) pure, pharma grade	1309-48-4	98.0-100.5%			X		500 g, 1 kg
142486	Magnesium Sulfate anhydrous pure	7487-88-9	98%					1 kg
131404	Magnesium Sulfate 7-hydrate for analysis, ACS	10034-99-8	99.5-102.0%	X			X	500 g, 1 kg, 5 kg, 25 kg
141404	Magnesium Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10034-99-8	99.0-100.5%			X		1 kg, 5 kg, 25 kg
141882	Maleic Acid (BP, Ph. Eur.) pure, pharma grade	110-16-7	99.0-101.0%			X		1 kg, 25 kg
141797	D(+)-Maltose 1-hydrate pure	6363-53-7						100 g, 5 kg
131410	Manganese(II) Chloride 4-hydrate for analysis, ACS	13446-34-9	98.0-101.0%	X				500 g
123224	Manganese(II) Nitrate 4-hydrate for analysis	20694-39-7	98%					25 kg
131413	Manganese(II) Sulfate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS	10034-96-5	98.0-101.0%	X		X		500 g, 1 kg
132067	D(-)-Mannitol for analysis, ACS	69-65-8	98.0%	X				500 g, 1 kg
142067	D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade	69-65-8	97.0-102.0%				X	500 g, 1 kg, 5 kg, 25 kg
141421	Mercury metal pure	7439-97-6						1 kg
131417	Mercury(II) Acetate (Reag. Ph. Eur.) for analysis, ACS	1600-27-7	99.0%	X		X	X	100 g
131419	Mercury(II) Chloride (Reag. USP) for analysis, ACS	7487-94-7	99.5%	X			X	100 g, 250 g
121428	Mercury(II) Iodide red for analysis	7774-29-0	99%					100 g
132166	Mercury(II) Sulfate for analysis, ACS	7783-35-9	99%	X			X	100 g, 250 g
142166	Mercury(II) Sulfate pure	7783-35-9	98%					100 g, 250 g, 1 kg
131091	Methanol (Reag. Ph. Eur.) for analysis, ACS, ISO	67-56-1	99.9%	X	X	X	X	1 L, 2.5 L, 5 L, 25 L, 200 L
141091	Methanol (USP-NF, BP, Ph. Eur.) pure, pharma grade	67-56-1	99.5%					1 L, 2.5 L, 5 L, 25 L
176400	Methanol/2-Propanol 4:1 v/v pure							5 L
121170	Methylene Blue (C.I. 52015)(Reag. Ph. Eur.) for analysis	61-73-4	82%			X		25 g, 100 g
143332	Methyl 4-Hydroxybenzoate (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	99-76-3	99.0-100.5%			X		500 g
131431	Methyl Orange (C.I. 13025)(Reag. Ph. Eur.) for analysis, ACS	547-58-0		X		X		25 g
131430	4-Methyl-2-Pentanone (Reag. Ph. Eur.) for analysis, ACS	108-10-1	99.0%	X		X	X	1 L, 25 L
131903	2-Methyl-2-Propanol (Reag. Ph. Eur.) for analysis, ACS	75-65-0	99.5%	X		X	X	1 L, 5 L
133080	1-Methyl-2-Pyrrolidone for analysis, ACS	872-50-4	99.5%	X				1 L
131617	Methyl Red (C.I. 13020)(Reag. USP, Ph. Eur.) for analysis, ACS	493-52-7		X		X	X	10 g, 25 g, 100 g
131436	Murexide (C.I. 56085) (Reag. Ph. Eur.) for analysis, ACS	3051-09-0		X		X		5 g

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
N	N-(1-Naphthyl) Ethylenediamine Dihydrochloride for analysis, ACS	1465-25-4	98.0%	X			X	5 g, 25 g
171581	Nessler's Reagent							250 mL
141443	Nickel(II) Chloride 6-hydrate pure	7791-20-0	98%					1 kg
132362	Ninhydrin for analysis, ACS	485-47-2		X			X	10 g, 100 g
121038	Nitric Acid fuming (Reag. Ph. Eur.) for analysis	7697-37-2	68.0-70.0%			X		1 L
471037	Nitric Acid 69% (max. 0.0000005% Hg) for analysis	7697-37-2	68.0-70.0%					1 L, 2.5 L
131037	Nitric Acid 69% (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	7697-37-2	68.0-70.0%	X	X	X	X	1 L, 2.5 L, 5 L
141037	Nitric Acid 69% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7697-37-2	69.0-70.0%					1 L, 2.5 L, 5 L, 25 L
121737	Nitric Acid 53% for analysis	7697-37-2	53-54%					1 L
127084	Nitric Acid 20% for analysis	7697-37-2	20%					1 L, 2.5 L
O	Oleic Acid (Ph. Eur.) pure, pharma grade	112-80-1	65.0-88.0%					1 L, 2.5 L, 25 L
131041	Oxalic Acid 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	6153-56-6	99.5-102.5%	X	X	X	X	500 g, 1 kg, 25 kg
141041	Oxalic Acid 2-hydrate pure	6153-56-6	99%					500 g, 1 kg
175145	OXI-OLEO-TEST							pack
P	Paraffin M.P. 51-53°C pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	8002-74-2						1 kg
146257	Light liquid Paraffin (USP-NF, BP, Ph. Eur.) pure, pharma grade	8042-47-5						1 L, 2.5 L
141451	Paraformaldehyde (DAC) pure, pharma grade	30525-89-4	95.0-100.5%					1 kg
122006	n-Pentane (Reag. USP, Ph. Eur.) for analysis	109-66-0	99.0%			X	X	1 L, 2.5 L, 25 L
142006	n-Pentane pure	109-66-0	98%					1 L, 2.5 L, 5 L
141884	1-Pentanol pure	71-41-0	98%					1 L
143495	Peracetic Acid 15% pure	79-21-0	approx. 15%					1 L, 5 L
132175	Perchloric Acid 70% for analysis, ACS, ISO	7601-90-3	69.0-72.0%	X	X		X	1 L, 2.5 L, 200 L
142175	Perchloric Acid 70% pure	7601-90-3	69.0-72.0%					1 L, 2.5 L
131054	Perchloric Acid 60% for analysis, ACS, ISO	7601-90-3	60.0-62.0%	X	X			1 L, 2.5 L, 25 L
132320	Periodic Acid (Reag. USP, Ph. Eur.) for analysis, ACS	10450-60-9	99.0-101.0%	X			X	100 g
142320	Periodic Acid pure	10450-60-9	98%					100 g

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Solvents for HPLC and UHPLC. When purity matters.

HPLC / UHPLC solvents

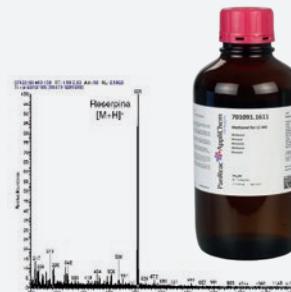
Improved specifications for UHPLC supergradient grade solvents

- Lower non-volatile matter content
- Improved transparency at low wavelengths
- New control of base line drift



LC-MS solvents

- Very low metal concentration <100 ppb
- Microfiltered 0.2 µm
- Suitability for LC-MS
- High UV transmittance and an excellent baseline



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
131315	Petroleum Ether 40-60°C for analysis, ACS, ISO	64742-49-0		X	X			1 L, 2.5 L, 5 L, 10 L, 25 L, 30 L, 200 L
121862	Petroleum Ether 50-70°C (Reag. Ph. Eur.) for analysis	64742-49-0				X		1 L
122701	Petroleum Ether 60-80°C for analysis	64742-49-0						1 L, 5 L
142701	Petroleum Ether 60-80°C pure	64742-49-0						25 L
124809	Petroleum Ether 100-120°C (Reag. Ph. Eur.) for analysis	64742-49-0				X		1 L
125286	Petroleum Ether 190-250°C-Kerosene for analysis	64742-49-0						2.5 L, 5 L
131321	1,10-Phenanthroline 1-hydrate for analysis, ACS	5144-89-8	99.0%	X			X	5 g, 25 g
131322	Phenol for analysis, ACS	108-95-2	99.5%	X			X	1 kg
134852	Phenol crystalline for analysis, ACS	108-95-2	99.5%	X			X	250 g, 1 kg
144852	Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade	108-95-2	99.0-100.5%			X		1 kg, 5 kg
141323	Phenol 90% aqueous solution (USP) pure, pharma grade	108-95-2	89.0%					1 L, 25 L
131325	Phenolphthalein (Reag. USP, Ph. Eur.) for analysis, ACS	77-09-8	99.0%	X		X	X	100 g, 500 g
131615	Phenol Red (Reag. USP) for analysis, ACS	143-74-8		X			X	5 g, 50 g
125396	Phenol-1,1,2,2-Tetrachloroethane 60:40 w/w for analysis							2.5 L
131031	Phosphomolybdic Acid x-hydrate (Reag. Ph. Eur.) for analysis, ACS	51429-74-4		X		X	X	100 g
135324	meta-Phosphoric Acid stabilized with NaPO ₃ (Reag. Ph. Eur.) for analysis, ACS	37267-86-0	33.5-36.5% (as HPO ₃)	X		X	X	100 g, 250 g
131032	ortho-Phosphoric Acid 85% for analysis, ACS, ISO	7664-38-2	85.0%	X	X		X	1 L, 2.5 L, 5 L, 25 L
141032	ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-38-2	85.0-88.0%			X		1 L, 2.5 L, 5 L, 25 L
147067	ortho-Phosphoric Acid 25% pure	7664-38-2	25%					1 L, 2.5 L
127143	ortho-Phosphoric Acid 10% for analysis	7664-38-2	approx. 10%					1 L
147143	ortho-Phosphoric Acid 10% (Ph. Eur., USP-NF) pure, pharma grade	7664-38-2	9.5-10.5%					5 L
147146	ortho-Phosphoric Acid 5% pure	7664-38-2	5%					10 L
123573	Phosphorous Acid 98% for analysis	13598-36-2	98%					1 kg
131154	di-Phosphorus Pentoxide (Reag. Ph. Eur.) for analysis, ACS, ISO	1314-56-3	98.0%	X	X	X	X	500 g
141048	Picric Acid moistened with ~ 33% of H ₂ O (Reag. Ph. Eur.) pure	88-89-1	98.0%			X		500 g, 5 kg
142436	Polyethylene Glycol 400 (USP-NF, BP, Ph. Eur.) pure, pharma grade	25322-68-3						1 L, 5 L, 25 L
146224	Polyethylene Glycol 8000 (USP-NF, BP, Ph. Eur.) pure, pharma grade	25322-68-3						25 kg
121479	Potassium Acetate for analysis	127-08-2	99.0%					25 kg
141479	Potassium Acetate (BP, Ph. Eur.) pure, pharma grade	127-08-2	99.0-101.0%					1 kg
131159	Potassium Antimony(III) Tartrate 3-hydrate for analysis, ACS	28300-74-5	99.0-103.0%	X				500 g
131487	Potassium Bromate (Reag. Ph. Eur.) for analysis, ACS, ISO	7758-01-2	99.8%	X	X	X	X	500 g, 25 kg
131489	Potassium Bromide for analysis, ACS	7758-02-3	99.5%	X		X	X	500 g
141489	Potassium Bromide (USP, BP, Ph. Eur.) pure, pharma grade	7758-02-3	98.5-100.5%			X		500 g, 5 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
131490	Potassium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	584-08-7	99.0%	X	X	X	X	500 g, 1 kg
141490	Potassium Carbonate pure	584-08-7	99%					1 kg, 25 kg
131493	Potassium Chlorate (Reag. Ph. Eur.) for analysis, ACS	3811-04-9	99.0%	X		X	X	500 g
131494	Potassium Chloride (Reag. USP) for analysis, ACS, ISO	7447-40-7	99.5-100.5%	X	X		X	500 g, 1 kg, 5 kg, 25 kg
191494	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade	7447-40-7	99.0-100.5%			X		1 kg, 5 kg, 25 kg
131491	Potassium Cyanide (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	151-50-8	97.0%	X	X	X	X	250 g, 1 kg, 25 kg
121522	Potassium Disulfite for analysis	16731-55-8	96.0%					500 g, 5 kg
121976	Potassium Fluoride for analysis	7789-23-3	99%					500 g, 1 kg
141976	Potassium Fluoride pure	7789-23-3	98%					5 kg
147058	Potassium Fluoride solution 33% pure	7789-23-3	33%					1 L
125507	Potassium Hexachloroplatinate(IV) (Reag. USP) for analysis	16921-30-5	40% (as Pt)				X	1 g
131505	Potassium Hexacyanoferrate(II) 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	14459-95-1	99.0-102.0%	X	X	X	X	500 g, 1 kg, 25 kg
131503	Potassium Hexacyanoferrate(III) (Reag. USP, Ph. Eur.) for analysis, ACS	13746-66-2	99.0%	X		X	X	500 g, 1 kg
121480	Potassium Hydrogen Carbonate for analysis	298-14-6	99.5-101%					1 kg
131509	Potassium di-Hydrogen Phosphate for analysis, ACS	7778-77-0	99.0%	X			X	500 g, 1 kg, 5 kg, 25 kg
141509	Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade	7778-77-0	98.0-100.5%			X		500 g, 1 kg, 5 kg, 25 kg
131512	di-Potassium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) for analysis, ACS	7758-11-4	99.0%	X		X	X	250 g, 1 kg
121512	di-Potassium Hydrogen Phosphate anhydrous for analysis	7758-11-4	99.0%					500 g, 1 kg, 25 kg
141512	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade	7758-11-4	98.0-100.5%					1 kg, 5 kg, 25 kg
122333	di-Potassium Hydrogen Phosphate 3-hydrate for analysis	16788-57-1	99%					1 kg
131481	Potassium Hydrogen Phthalate for analysis, ISO	877-24-7	99.5%		X			500 g, 1 kg, 25 kg
141481	Potassium Hydrogen Phthalate pure	877-24-7	99-101%					500 g, 1 kg
121485	Potassium Hydrogen Sulfate for analysis	7646-93-7	98.0%					1 kg, 25 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Solvents for GC. The maximum purity for your analysis.

Solvents for Headspace GC

For the analysis of residual solvents in actives, excipients and medicines according to the ICH (International Council for Harmonization of Technical), USP and Ph. Eur.



For pesticide residues analysis

For food and environmental industry. Controlled by GC: Using ECD detector from Lindane to DDT, no peaks > 5 ng/L of Lindane. Using FID detector in the interval from 2-Octanol to Tetradecanol.



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
131515	Potassium Hydroxide 85% pellets for analysis, ACS	1310-58-3	85%	X		X	X	500 g, 1 kg
121515	Potassium Hydroxide 85% pellets for analysis	1310-58-3	85%					500 g, 1 kg, 5 kg
141515	Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-58-3	85.0-100.5%			X		1 kg, 5 kg, 25 kg
142403	Potassium Hydroxide solution 50% pure	1310-58-3	50%					2.5 L, 5 L
131540	Potassium Iodate (Reag. Ph. Eur.) for analysis, ACS	7758-05-6	99.4-100.4%	X		X	X	100 g, 500 g
131542	Potassium Iodide (Reag. USP) for analysis, ACS, ISO	7681-11-0	99.5%	X	X		X	100 g, 250 g, 500 g, 1 kg, 5 kg
141542	Potassium Iodide (USP, BP, Ph. Eur.) pure, pharma grade	7681-11-0	99.0-100.5%			X		100 g, 250 g, 500 g, 1 kg, 5 kg
171543	Potassium Iodide solution 10% w/v	7681-11-0	10±0.1% (w/v)					250 mL, 1 L
131524	Potassium Nitrate without anticaking (Reag. Ph. Eur.) for analysis, ISO	7757-79-1	99.0%		X	X		500 g, 1 kg, 5 kg, 25 kg
141524	Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade	7757-79-1	99.0-100.5%					5 kg, 25 kg
121526	di-Potassium Oxalate 1-hydrate for analysis	6487-48-5	99.0%					1 kg
131527	Potassium Permanganate (Reag. USP) for analysis, ACS	7722-64-7	99.0%	X			X	250 g, 1 kg, 5 kg, 10 kg, 25 kg
141527	Potassium Permanganate (USP, BP, Ph. Eur.) pure, pharma grade	7722-64-7	99.0-100.5%			X		500 g, 1 kg, 25 kg
121525	Potassium Peroxodisulfate (Reag. Ph. Eur.) for analysis	7727-21-1	99.0%			X		500 g
131729	Potassium Sodium Tartrate 4-hydrate (Reag. Ph. Eur.) for analysis, ACS, ISO	6381-59-5	99.0-102.0%	X	X	X	X	500 g, 1 kg, 5 kg, 25 kg
141531	Potassium Sorbate (USP-NF, BP, Ph. Eur.) pure, pharma grade	24634-61-5	99.0-101.0%					1 kg
131532	Potassium Sulfate (Reag. Ph. Eur.) for analysis, ACS, ISO	7778-80-5	99.0%	X	X	X	X	500 g, 1 kg, 5 kg
141532	Potassium Sulfate pure	7778-80-5	98%					500 g, 1 kg, 5 kg
131534	Potassium Thiocyanate (Reag. Ph. Eur.) for analysis, ACS, ISO	333-20-0	99.0%	X	X	X	X	500 g, 1 kg
141534	Potassium Thiocyanate pure	333-20-0	98%					500 g, 1 kg, 25 kg
141545	1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade	57-55-6	99.5%			X		1 L, 5 L, 25 L, 60 L
131885	1-Propanol (Reag. USP, Ph. Eur.) for analysis, ACS	71-23-8	99.5%	X		X	X	1 L, 2.5 L, 25 L
131090	2-Propanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO	67-63-0	99.8%	X	X	X	X	1 L, 2.5 L, 5 L, 10 L, 25 L
141090	2-Propanol (USP, BP, Ph. Eur.) pure, pharma grade	67-63-0	99.5%					1 L, 2.5 L, 5 L, 25 L, 200 L
145618	2-Propanol 70% v/v pure	67-63-0	68-72% (v/v)					1 L, 5 L
141962	Propyl Gallate (USP-NF, BP, Ph. Eur.) pure, pharma grade	121-79-9	98.0-102.0%					1 kg
131457	Pyridine (Reag. USP, Ph. Eur.) for analysis, ACS	110-86-1	99.5%	X		X	X	1 L, 2.5 L, 25 L
131050	Pyrogallic Acid (Reag. Ph. Eur.) for analysis, ACS	87-66-1	99%	X		X	X	100 g, 5 kg
R	125416	Red Primary Solution (BP, Ph. Eur.) for analysis					X	100 mL
	141603	Resorcinol (USP, BP, Ph. Eur.) pure, pharma grade	108-46-3	99.0-100.5%			X	100 g, 25 kg
S	141045	Salicylic Acid (USP, BP, Ph. Eur.) pure, pharma grade	69-72-7	99.5-100.5%			X	500 g, 1 kg
	132363	SDS for analysis, ACS	151-21-3	99.0%	X			50 g, 250 g, 5 kg
	142363	SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade	151-21-3	85.0%				250 g, 1 kg, 5 kg, 25 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
146132	SDS solution 10% w/v pure	151-21-3	9.8-10.2% (w/v)					10 L
121160	Sea Sand for analysis	14808-60-7						1 kg, 2.5 kg, 5 kg, 25 kg
141625	Selenium metal powder pure	7782-49-2	99%					50 g
135571	Silica Gel 2.5-6 mm with indicator (without cobalt chloride) for analysis, ACS	112926-00-8		X				1 kg, 5 kg, 25 kg
131335	Silica Gel 3-5 mm with indicator (with cobalt chloride) for analysis, ACS	112926-00-8		X				1 kg, 5 kg, 25 kg
142475	Siliceous Earth purified and calcined (USP-NF) pure, pharma grade	91053-39-3						1 kg
131459	Silver Nitrate (Reag. USP) for analysis, ACS, ISO	7761-88-8	99.8%	X	X		X	25 g, 100 g, 250 g
141459	Silver Nitrate (BP, Ph. Eur.) pure, pharma grade	7761-88-8	99.8-100.5%			X		25 g, 100 g, 250 g, 1 kg
131801	Silver Sulfate for analysis, ACS	10294-26-5	99.0%	X			X	25 g, 100 g, 250 g
283098	Silver Sulfate solution 10 g/L in sulfuric acid for volumetric analysis							1 L, 2.5 L
282922	Silver Sulfate solution 6.6 g/L in sulfuric acid for volumetric analysis							1 L
141699	Sodium metal, 99.8%, oiled sticks, wrapped in aluminium foil pure	7440-23-5	99.8%					100 g, 500 g
131633	Sodium Acetate anhydrous (Reag. Ph. Eur.) for analysis, ACS	127-09-3	99.0%	X		X	X	500 g, 1 kg, 5 kg, 25 kg
131632	Sodium Acetate 3-hydrate (Reag. USP) for analysis, ACS, ISO	6131-90-4	99.0-101.0%	X	X		X	500 g, 1 kg, 25 kg
141632	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6131-90-4	99.0-101.0%			X		1 kg, 5 kg, 25 kg
122712	Sodium Azide (Reag. USP, Ph. Eur.) for analysis	26628-22-8	99.0%			X	X	100 g, 1 kg
141637	Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade	532-32-1	99.0-100.5%					1 kg, 5 kg
131644	di-Sodium tetra-Borate 10-hydrate for analysis, ACS, ISO	1303-96-4	99.5-103.0%	X	X		X	500 g, 1 kg
141644	di-Sodium tetra-Borate 10-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade	1303-96-4	99.0-103.0%			X		1 kg, 25 kg
123314	Sodium Borohydride for analysis	16940-66-2	96.0%					25 g, 100 g
141646	Sodium Bromide (BP, Ph. Eur.) pure, pharma grade	7647-15-6	98.5-100.5%			X		500 g
131648	Sodium Carbonate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS	497-19-8	99.5-100.5%	X		X	X	500 g, 1 kg, 5 kg, 25 kg
141648	Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade	497-19-8	99.5-100.5%					1 kg, 5 kg, 25 kg
131647	Sodium Carbonate 10-hydrate for analysis, ISO	6132-02-1	99.0-102.0%		X			1 kg
141647	Sodium Carbonate 10-hydrate pure	6132-02-1	98-102%					25 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Nitrogen determination by means of the Kjeldahl method

The Kjeldahl nitrogen is determined in foods and drinks, cereals and forages for the calculation of the protein content and for the nitrogen determination in wastewaters, soils and other samples. Recover all the nitrogen in your Kjeldahl analysis with PanReac AppliChem reagents for sample digestion, distillation and titration.



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
131659	Sodium Chloride for analysis, ACS, ISO	7647-14-5	99.5%	X	X		X	500 g, 1 kg, 5 kg, 25 kg
141659	Sodium Chloride (USP, BP, Ph. Eur., JP) pure, pharma grade	7647-14-5	99.0-100.5%			X		500 g, 1 kg, 5 kg, 25 kg
146994	Sodium Chloride pure, free-flowing	7647-14-5	99%					5 kg, 25 kg
171659	Sodium Chloride ASTM B117, ISO 9227	7647-14-5	99.7%					1 kg, 10 kg, 25 kg
175305	Sodium Chloride solution ASTM B117, ISO 9227	7647-14-5	4.5-5.5%					25 L
131655	tri-Sodium Citrate 2-hydrate for analysis, ACS	6132-04-3	99.0%	X			X	500 g, 1 kg, 5 kg, 25 kg
141655	tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	6132-04-3	99.0-100.5%					1 kg, 5 kg, 25 kg
121656	tri-Sodium Citrate 5.5-hydrate for analysis	6858-44-2	99.0%					1 kg
141652	Sodium Cyanide pure	143-33-9	98%					250 g, 5 kg
131698	Sodium Disulfite for analysis, ACS	7681-57-4	97.0%	X			X	500 g
141698	Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade	7681-57-4	96.5-100.0%					1 kg, 5 kg, 25 kg
131675	Sodium Fluoride for analysis, ACS, ISO	7681-49-4	99.0%	X	X		X	500 g, 1 kg, 25 kg
141675	Sodium Fluoride (USP) pure, pharma grade	7681-49-4	98.5-100.5%					1 kg, 5 kg, 25 kg
131663	Sodium Hexanitrocobaltate(III) (Reag. Ph. Eur.) for analysis, ACS	13600-98-1		X		X	X	100 g, 5 kg
131638	Sodium Hydrogen Carbonate for analysis, ACS, ISO	144-55-8	99.7-100.3%	X	X		X	500 g, 1 kg, 25 kg
141638	Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade	144-55-8	99.0-100.5%					1 kg, 5 kg, 25 kg
131679	di-Sodium Hydrogen Phosphate anhydrous (Reag. Ph. Eur.) for analysis, ACS	7558-79-4	99.0%	X		X	X	500 g, 1 kg, 5 kg, 25 kg
141679	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade	7558-79-4	98.0-100.5%					1 kg, 5 kg, 25 kg
122507	di-Sodium Hydrogen Phosphate 2-hydrate for analysis	10028-24-7	99.0%					500 g, 1 kg, 5 kg
142507	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10028-24-7	98.0-100.5%					1 kg, 5 kg, 25 kg
132656	di-Sodium Hydrogen Phosphate 7-hydrate (Reag. USP) for analysis, ACS	7782-85-6	98.0-102.0%	X			X	1 kg
131678	di-Sodium Hydrogen Phosphate 12-hydrate for analysis, ISO	10039-32-4	99-102%		X			1 kg, 5 kg, 25 kg
141678	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10039-32-4	98.5-100.5%			X		1 kg, 5 kg, 25 kg
122018	Sodium di-Hydrogen Phosphate anhydrous for analysis	7558-80-7	99-100.5%					500 g
131965	Sodium di-Hydrogen Phosphate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS	10049-21-5	99.0-102.0%	X		X	X	500 g, 1 kg
141965	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade	10049-21-5	98.0-100.5%					25 kg
121677	Sodium di-Hydrogen Phosphate 2-hydrate for analysis	13472-35-0	99.0-101.0%					1 kg, 5 kg, 25 kg
141677	Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	13472-35-0	98.0-100.5%			X		1 kg, 5 kg, 25 kg
131687	Sodium Hydroxide pellets (Reag. USP) for analysis, ACS, ISO	1310-73-2	98.0%	X	X		X	500 g, 1 kg, 5 kg, 25 kg
141687	Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2	98.0-100.5%			X		500 g, 1 kg, 5 kg
145881	Sodium Hydroxide micropearls pure	1310-73-2	98%					25 kg
141929	Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade	1310-73-2	98.0-100.5%			X		1 kg, 5 kg, 25 kg

¹ Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
142404	Sodium Hydroxide solution 50% w/w pure	1310-73-2	49.0-51.0%					5 L
141571	Sodium Hydroxide solution 50% w/v pure	1310-73-2	49.5-50.5% (w/v)					5 L, 10 L
171220	Sodium Hydroxide solution 40% w/w for the determination of nitrogen	1310-73-2	40%					1 L, 5 L, 10 L, 25 L
141220	Sodium Hydroxide solution 40% w/w pure	1310-73-2	approx. 40%					5 L
121593	Sodium Hydroxide solution 40% w/v for analysis	1310-73-2	40% (w/v)					5 L
176682	Sodium Hydroxide solution 32% w/w for nitrogen determination	1310-73-2	32%					2.5 L, 5 L, 10 L, 25 L
126682	Sodium Hydroxide solution 32% w/w for analysis	1310-73-2	32%					2.5 L, 10 L
146682	Sodium Hydroxide solution 32% w/w pure	1310-73-2	approx. 32%					25 L
122666	Sodium Hydroxide solution 32% w/v for the determination of nitrogen	1310-73-2	32-34%					1 L, 5 L
144320	Sodium Hydroxide solution 30% w/w pure, pharma grade	1310-73-2	29.5-30.5%					25 L
171690	Sodium Hydroxide solution 30% w/v	1310-73-2	30% (w/v)					500 mL, 5 L
143402	Sodium Hydroxide solution 25% w/w pure	1310-73-2	approx. 25%					10 L
131726	Sodium Iodide for analysis, ACS	7681-82-5	99.5%	X				250 g, 1 kg, 5 kg
143307	Sodium Lactate solution 50% w/w (USP, BP, Ph. Eur.) pure, pharma grade	72-17-3	50.0-51.0%					1 L
131701	Sodium Molybdate 2-hydrate (Reag. Ph. Eur.) for analysis, ACS	10102-40-6	99.5-103.0%	X		X	X	250 g, 1 kg
141701	Sodium Molybdate 2-hydrate pure	10102-40-6	98.0-100.5%					250 g, 1 kg
131702	Sodium Nitrate (Reag. Ph. Eur.) for analysis, ACS, ISO	7631-99-4	99.0%	X	X	X	X	500 g, 1 kg, 5 kg, 25 kg
131703	Sodium Nitrite (Reag. Ph. Eur.) for analysis, ACS	7632-00-0	98.0%	X		X	X	500 g, 1 kg, 25 kg
131706	di-Sodium Oxalate (Reag. USP, Ph. Eur.) for analysis, ACS	62-76-0	99.5%	X		X	X	500 g, 25 kg
131705	Sodium Pentacyanonitrosoferrate(III) 2-hydrate (Reag. Ph. Eur.) for analysis, ACS	13755-38-9	99.0-102.0%	X		X	X	25 g, 100 g, 5 kg
144260	Sodium Perborate 1-hydrate pure	10332-33-9	15.0% (as oxygen)					25 kg
145642	Sodium Perborate 4-hydrate (BP, Ph. Eur.) pure, pharma grade	10486-00-7	96.0-103.0%					1 kg
134387	Sodium Perchlorate 1-hydrate (Reag. USP) for analysis, ACS	7791-07-3	98.0-102.0%	X			X	250 g, 500 g, 1 kg
131700	Sodium meta-Periodate (Reag. USP, Ph. Eur.) for analysis, ACS	7790-28-5	99.8-100.3%	X		X	X	100 g, 250 g, 5 kg
131708	Sodium Peroxide granulated for analysis, ACS	1313-60-6	95.0%	X			X	250 g, 1 kg, 5 kg
143396	Sodium Peroxodisulfate pure	7775-27-1	98%					1 kg, 5 kg

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Volumetric solutions

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All you need for volumetric analysis:

- Volumetric solutions ready to use
- Concentrated volumetric solutions
- Indicators
- Standards



Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
132440	Sodium tetra-Phenylborate (Reag. Ph. Eur.) for analysis, ACS	143-66-8	99.5%	X		X	X	100 g
141681	tri-Sodium Phosphate 1-hydrate pure		95%					5 kg
131680	tri-Sodium Phosphate 12-hydrate (Reag. Ph. Eur.) for analysis, ACS	10101-89-0	98.0-102.0%	X		X	X	1 kg, 5 kg, 25 kg
175506	Sodium Plumbite solution (Doctor solution)							1 L
141684	Sodium Polyphosphate pure	50813-16-6	65-70% (as P ₂ O ₅)					1 kg
121710	tetra-Sodium Pyrophosphate 10-hydrate for analysis	13472-36-1	99.0%					1 kg, 25 kg
121859	Sodium Salicylate for analysis	54-21-7	99.5%					250 g, 1 kg
141859	Sodium Salicylate (BP, Ph. Eur.) pure, pharma grade	54-21-7	99.0-101.0%					1 kg, 5 kg
142756	Sodium Selenite anhydrous pure	10102-18-8	99%					1 kg
131716	Sodium Sulfate anhydrous (Reag. USP) for analysis, ACS, ISO	7757-82-6	99.0%	X	X		X	500 g, 1 kg, 5 kg, 25 kg
131715	Sodium Sulfate 10-hydrate (Reag. USP) for analysis, ACS	7727-73-3	99.0%	X			X	1 kg, 25 kg
131717	Sodium Sulfite anhydrous for analysis, ACS	7757-83-7	98.0%	X			X	500 g, 1 kg, 25 kg
191717	Sodium Sulfite anhydrous (BP, Ph. Eur.) pharma grade	7757-83-7	95.0-100.5%			X		1 kg, 25 kg
121719	Sodium Tartrate 2-hydrate (Reag. Ph. Eur.) for analysis	6106-24-7	99.0-101.0%			X		1 kg, 5 kg, 25 kg
121879	Sodium Thiosulfate anhydrous (Reag. Ph. Eur.) for analysis	7772-98-7	99.0%			X		250 g, 1 kg, 5 kg
131721	Sodium Thiosulfate 5-hydrate for analysis, ACS	10102-17-7	99.5-101.0%	X			X	1 kg, 25 kg
141721	Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	10102-17-7	99.0-101.0%			X		1 kg, 5 kg, 25 kg
121096	Starch from Potato soluble (Reag. USP, Ph. Eur.) for analysis	9005-84-9				X	X	500 g, 1 kg, 25 kg
131883	Succinic Acid (Reag. USP) for analysis, ACS	110-15-6	99.0%	X			X	250 g, 1 kg
131621	D(+)-Sucrose for analysis, ACS	57-50-1		X				500 g, 1 kg, 5 kg, 25 kg
141621	D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade	57-50-1				X	X	1 kg, 5 kg, 25 kg
122823	Sulfanilamide (Reag. Ph. Eur.) for analysis	63-74-1	99.0%			X		100 g, 250 g
142823	Sulfanilamide (Ph. Fr., DAB) pure, pharma grade	63-74-1	99-101%					500 g, 1 kg
131057	Sulfanilic Acid (Reag. Ph. Eur.) for analysis, ACS	121-57-3	99.5-102.0%	X		X	X	250 g, 1 kg
122838	5-Sulfosalicylic Acid 2-hydrate (Reag. Ph. Eur.) for analysis	5965-83-3	99.0-101.0%			X		250 g
173163	Sulfuric Acid 98% for the determination of nitrogen	7664-93-9	98±1%					1 L, 2.5 L, 25 L
471058	Sulfuric Acid 95-98% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO	7664-93-9	95.0-98.0%	X	X		X	1 L, 2.5 L, 25 L
131058	Sulfuric Acid 96% (Reag. Ph. Eur.) for analysis, ISO	7664-93-9	95.0%		X	X		1 L, 2.5 L, 5 L, 25 L, 200 L
141058	Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade	7664-93-9	95.0-98.0%					1 L, 2.5 L, 5 L, 10 L
A0655	Sulfuric acid 95-97% for analysis	7664-93-9	95-97%					8 L
121010	Sulfuric Acid 90-91% according to Gerber for analysis	7664-93-9	90-91%					1 L, 2.5 L, 5 L
123374	Sulfuric acid 75% for analysis	7664-93-9	75%					2.5 L
123863	Sulfuric Acid 72% for analysis	7664-93-9	72%					2.5 L
173253	Sulfuric Acid 62% (d=1.522) according to Van Gulik for analysis	7664-93-9						1 L, 2.5 L, 5 L

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
142934	Sulfuric Acid 50% (w/w) pure	7664-93-9	50%					1 L
127102	Sulfuric Acid 40% for analysis	7664-93-9	40%					2.5 L
122448	Sulfuric Acid 25% for analysis	7664-93-9	25%					1 L, 2.5 L
143323	Sulfuric Acid 20% pure	7664-93-9	20%					2.5 L
145882	Sulfuric Acid 10% pure, pharma grade	7664-93-9	9.5-11.0%					2.5 L
T 131066	L(+)-Tartaric Acid for analysis, ACS	87-69-4	99.0%	X			X	1 kg
141066	L(+)-Tartaric Acid pure	87-69-4	99.5%					500 g
141455	Tetrachloroethylene pure	127-18-4	99.5%					1 L, 2.5 L, 5 L
147070	Tetrafluoroboric Acid solution 50% pure		approx. 50%					1 L
133537	Tetrahydrofuran stabilized with ~ 300 ppm of BHT for analysis, ACS	109-99-9	99.5%	X			X	1 L, 2.5 L, 5 L
143886	Thimerosal (BP, Ph. Eur.) pure, pharma grade	54-64-8	97.0-101.0%					100 g
134887	Thioacetamide (Reag. Ph. Eur.) for analysis, ACS	62-55-5	99.0%	X		X	X	50 g
124142	Thioglycollic Acid for analysis	68-11-1	99%					100 mL
142041	Thioglycollic Acid 80% pure	68-11-1	79-82%					1 L
191738	Thymol (Ph. Eur.) pharma grade	89-83-8				X		100 g, 1 kg
131739	Thymolphthalein (Reag. Ph. Eur.) for analysis, ACS	125-20-2		X		X		5 g
471303	Tin(II) Chloride 2-hydrate (max. 0.000005% Hg) (Reag. USP) for analysis, ACS	10025-69-1	98.0-103.0%	X			X	250 g
131303	Tin(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS	10025-69-1	98.0-103.0%	X		X	X	250 g, 1 kg, 25 kg
141303	Tin(II) Chloride 2-hydrate pure	10025-69-1	97%					250 g, 5 kg
142101	Titanium(IV) Oxide (USP, BP, Ph. Eur.) pure, pharma grade	13463-67-7	99.0-100.5%			X		5 kg
121744	o-Tolidine (Reag. USP, Ph. Eur.) for analysis	119-93-7	98.0%			X	X	50 g
172417	o-Tolidine solution 0.1%	119-93-7						250 mL, 1 L
131745	Toluene (Reag. Ph. Eur.) for analysis, ACS, ISO	108-88-3	99.8%	X	X	X	X	1 L, 2.5 L, 5 L, 25 L
124860	Toluene / 2-Propanol / Water 100:99:1 v/v/v (Mixture TAN) (ASTM D 664) for analysis							2.5 L, 5 L, 25 L
131067	Trichloroacetic Acid (Reag. USP, Ph. Eur.) for analysis, ACS	76-03-9	99.5%	X		X	X	100 g, 250 g, 1 kg, 5 kg
141067	Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade	76-03-9	99.0-100.5%					100 g, 250 g, 1 kg, 5 kg, 25 kg
121750	Triethanolamine for analysis	102-71-6	99.0%					1 L

1 Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

2 Product in glass bottle with pouring ring, see page 9.

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Analytical and pure reagents



Product code	Product name	CAS number	Assay ¹	Complies with				Pack sizes
				ACS	ISO	Ph. Eur.	USP	
141750	Triethanolamine (USP-NF) pure, pharma grade	102-71-6	99.0-107.4%				X	1 L, 5 L
123542	Triethylamine (Reag. USP) for analysis	121-44-8	99.5%				X	1 L, 4 L
147039	Triethyl Citrate (USP-NF, Ph. Eur.) pure, pharma grade	77-93-0	98.5-101.0%					1 L
131940	Tris for analysis, ACS	77-86-1	99.8-100.1%	X			X	1 kg
141940	Tris (USP, BP, Ph. Eur.) pure, pharma grade	77-86-1	99.0-100.5%			X		250 g, 1 kg, 5 kg, 25 kg
142314	Triton® X 100 pure	9002-93-1						1 L, 5 L
142312	Tween® 20 (USP-NF, BP, Ph. Eur.) pure, pharma grade	9005-64-5						1 L, 5 L
142050	Tween® 80 (USP-NF, BP, Ph. Eur.) pure, pharma grade	9005-65-6						1 L, 5 L
131754	Urea crystalline for analysis, ACS	57-13-6	99.0-100.5%	X			X	1 kg, 25 kg
191754	Urea crystalline (USP, BP, Ph. Eur.) pharma grade	57-13-6	99.5-100.5%			X		25 kg
146392	Urea pearls pure	57-13-6	98.5%					1 kg
173333	Vanadate-Molybdate Reagent							1 L
141003	Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade	8012-95-1				X	X	250 mL, 1 L, 5 L
131074	Water for analysis, ACS	7732-18-5		X				1 L, 2.5 L, 5 L, 10 L, 25 L, 60 L, 200 L
141074	Purified Water (BP, Ph. Eur.) pure, pharma grade	7732-18-5						10 L
131769	Xylene, mixture of isomers (Reag. Ph. Eur.) for analysis, ACS, ISO	1330-20-7	99.0%	X	X	X	X	1 L, 2.5 L, 5 L, 25 L, 200 L
141769	Xylene, mixture of isomers pure	1330-20-7	98%					1 L, 2.5 L, 5 L, 25 L
132617	Xylenol Orange Tetrasodium Salt (Reag. Ph. Eur.) for analysis, ACS	3618-43-7		X		X		5 g
142080	D(+)-Xylose (BP, Ph. Eur.) pure, pharma grade	58-86-6				X		100 g
125415	Yellow Primary Solution (BP, Ph. Eur.) for analysis					X		100 mL
141783	Zinc metal, powder pure	7440-66-6	96%					500 g, 25 kg
131775	Zinc Acetate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS	5970-45-6	99.5-101.0%	X		X	X	500 g, 1 kg, 25 kg
131779	Zinc Chloride for analysis, ACS	7646-85-7	97.0%	X				500 g, 1 kg
141779	Zinc Chloride pure	7646-85-7	97%					1 kg, 5 kg
191779	Zinc Chloride (Ph. Eur., USP) pharma grade	7646-85-7	97.0-100.5%			X		1 kg, 25 kg
131786	Zinc Oxide for analysis, ACS	1314-13-2	99.0%	X				1 kg
141788	Zinc Sulfate 1-hydrate (USP, Ph. Eur., BP) pure, pharma grade	7446-19-7	99.0-100.5%					1 kg
131787	Zinc Sulfate 7-hydrate for analysis, ACS	7446-20-0	99.5-103.0%	X				500 g, 1 kg, 25 kg
141787	Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade	7446-20-0	99.0-104.0%			X		1 kg, 25 kg

¹ Assay specification: Minimum value or minimum and maximum limits. All values are expressed in % w/w unless specified otherwise.

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