



Neutron[®]
Pharmaceutical Co.

EXTRA PURE



Responsible For Quality
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Acetic acid glacial

Extra Pure

C₂H₄O₂

M= 60.05 g/mol

1lit= 1.05 g/cm³

Specification

Assay	≥	99.0	%
Color & Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Specific gravity		1.048-1.052	g/cm ³

Glass Bottles		
1	Liter	●
2.5	Liter	●

Plastic Bottles		
1	Liter	
2.5	Liter	●

Plastic Gallon		
5	Liter	
10	Liter	
20	Liter	

Product Code: 1.1020.

Technical Information

Formula:	C ₂ H ₄ O ₂
Chemical formula:	CH ₃ COOH
Density:	1.05 g/cm ³ (20 °C)
Molar mass:	60.05 g/mol
CAS number:	64-19-7
EC index number:	607-002-00-6
HS code:	29152100
EC number:	200-580-7
Storage (temperature):	Store at +15 °C to +25 °C
SDS	available
RTECS:	AF1225000
R phrase:	R 10-35
S phrase:	S 23.2-26-45
Odour:	pungent
Form:	liquid
Color:	colourless
Explosion limit:	4 -19.9 Vol %
Ignition temperature:	485 °C
PH value:	2.5 (50 g/l 20 °C)
Solubility in water:	(20 °C) soluble
Solubility in ethanol:	soluble
Refractive index:	1.37 (20 °C)
Flash point:	39 °C (c.c.)
Boiling point:	116 - 118 °C (1013 hPa)
Melting point:	17 °C
Vapour pressure:	15.4 hPa (20 °C)
Viscosity dynamical :	1.22 mPa*s (20 °C)
Viscosity kinematic:	1.17 mPa*s (20 °C)
Saturation concentration (air):	38 g/m ³ (20 °C)



Acetonitrile

Extra Pure

C₂H₃N

M = 41.05 g/mol

1lit= 0.786 g/cm³

Specification

Assay	≥	99.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Acidity	≤	0.00016	%
Density		0.782 - 0.783	g/cm ³
Evaporation residue	≤	0.005	%
Water	≤	0.5	%

Glass Bottles		
1	Liter	●
2.5	Liter	●

Plastic Bottles		
1	Liter	
2.5	Liter	

Plastic Container		
5	Liter	
10	Liter	
20	Liter	

Product Code: 1.2380.

Technical Information

Formula	C ₂ H ₃ N
Chemical formula	C ₂ H ₃ N
Density	0.786 g/cm ³ (20 °C)
Molar mass	41.05 g/mol
EC index number	608-001-00-3
CAS number	75-05-8
HS Code	29269095
EC number	200-835-2
Storage	5 °C to +25 °C
SDS	available
RTECS	AL77000000
R phrase	R 11-20/21/22-36
S phrase	S 16-36/37
Odour	ether like
Form	liquid
Color	Colourless
Explosion limit	3.0 - 17 vol %
Ignition temperature	524 °C
Solubility in water	Soluble (20 °C)
Solubility in ethanol	miscible
Solubility in chloroform	miscible
Flash point	2 °C
Boiling point	81.6 °C (1013 hpa)
Melting point	- 45.7 °C
Vapour pressure	97 hPa (20 °C)
Viscosity dynamical	0.316 mPa*s (25 °C)
Saturation concentration	163 g/m ³ (20 °C)





Aluminium monostearate

Extra Pure, Laboratory USP Reagent

CH₃(CH₂)₁₆COOAl(OH)₂

M=344.47 g/mol

Specification

Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Loss on drying	≤	2.0	%
Heavy metals	≤	50	ppm
Free fatty acids	≤	4.0	%
Ash	≤	10	%
Assay (Al 2 O 3)		14.5 - 16.4	%
Assay (Al)		3.7 - 4.3	%
Fixed oil		Conforms	

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	●
10	kg	●



Product Code: 1.3160.

Technical Information

Formula	CH ₃ (CH ₂) ₁₆ COOAl(OH) ₂
Chemical formula	CH ₃ (CH ₂) ₁₆ COOAl(OH) ₂
Molar mass	344.47 g/mol
Density	~ 0.961 g/cm ³ (25 °C)
CAS number	7047-84-9
EC Number	230-325-5
Storage	Store at 5 to 25 °C
SDS	available
Boiling point	313 °C
Flash point	>113 °C

Aluminium potassium sulfate dodecahydrate (Alum)

Extra Pure

KAl (SO₄)₂*12 H₂O

M = 474.39 g/mol

Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Appearance of solution		Conforms	
p H		3.0 - 3.5	
Iron	≤	0.01	%
Heavy metals	≤	0.002	%
Ammonium	≤	0.2	%
Loss on drying		43.0 - 46.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.2490.

Technical Information

Formula	AlK ₂ O ₈ S ₂ *12 H ₂ O
Chemical formula	KA (SO ₄) ₂ *12 H ₂ O
Density	1.75 g/cm ³ (20 °C)
Molar mass	474.39 g/mol
Bulk density	~900 kg/m ³
CAS number	7784-24-9
HS Code	28333000
EC number	233-141-3
Storage	Without limitation
SDS	available
Odour	odourless
Form	solid
Color	colourless
p H	3.0 - 3.5 (100g/l 20 °C)
Solubility in water	139 g/l (20 °C)
Solubility in ethanol	insoluble
Melting point	92.5 °C
Thermal decomposition	>780 °C

Aluminium sulfate 18 hydrate

Extra Pure

$\text{Al}_2(\text{SO}_4)_3 \cdot 18 \text{H}_2\text{O}$

M = 666.42 g/mol

Specification

Assay	51.0 - 59.0	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Appearance of solution	Conforms	
pH	2.5 - 4.0	
Water	41.0 - 46.0	%
Heavy metals	≤ 20	µg/g
Limit of alkalis & alkaline earths	≤ 0.4	%
Limit of ammonium salts	Conforms	
Iron	Conforms	

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container			
1	kg		●
5	kg		
10	kg		

Product Code: 1.3330.

Technical Information

Chemical formula	$\text{Al}_2(\text{SO}_4)_3 \cdot 18 \text{H}_2\text{O}$
Density	1.72 g/cm ³ (20°C)
Molar mass	666.42 g/mol
Bulk density	~820 kg/m ³
CAS number	7784-31-8
HS Code	28332200
EC number	233-135-0
Storage	Without limitation
SDS	available
S phrase	S 24/25
Odour	odourless
Form	solid
Color	Colourless
pH	2.5 - 4.0 (20g/l 20°C)
Solubility in water	364 g/l (20°C)
Melting point	> 90 °C
Thermal decomposition	> 770 °C



Ammonium acetate

Extra Pure

$\text{CH}_3\text{COONH}_4$

M=77.08 g/mol

Specification

Assay	98.0 – 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
pH (5% Water)	6.7 – 7.3	
Heavy metals	≤ 0.0005	%
Residue on ignition	≤ 0.01	%
Chloride	≤ 0.005	%
Sulfate	≤ 0.001	%
Insoluble materials	≤ 0.005	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container			
1	kg		●
5	kg		
10	kg		

Product Code: 1.1800.

Technical Information

Formula	$\text{CH}_3\text{COONH}_4$
Density	1.71 g/cm ³
Molar mass	77.08 g/mol
CAS number	631-61-8
HS code	29152900
EC number	211-162-9
Storage (temperature)	Store at +15 °C to +25 °C
SDS	Available
RTECS	AF3675000





Ammonium chloride

Extra Pure

NH₄Cl

M=53.49 g/mol

Specification

Assay		99.5 – 100.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
pH (5% Water)		4.6 – 6.0	
Heavy metals	≤	0.001	%
Residue on ignition	≤	0.1	%
Limit of thiocyanate		Conforms	
Loss on drying (105°C)	≤	0.5	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.1820.

Technical Information

Formula	NH ₄ Cl
Density	1.52 g/cm ³
Molar mass	53.49 g/mol
CAS number	12125-02-9
HS code	28271000
EC number	017-014-00-8
Storage (temperature)	Without limitation
SDS	Available
RTECS	BP4550000
R phrase	R 22-36
S phrase	S 22



Ammonium dicromate (Stabilized)

Extra Pure

(NH₄)₂Cr₂O₇

M=252.07 g/mol

Specification

Assay	≥	97.0	%
Description		Conforms	
Identification		Conforms	
p H		3.0 - 4.0	
Chloride	≤	0.01	%
Sulphate	≤	0.02	%
Calcium	≤	0.01	%
Sodium	≤	0.01	%
Loss on drying	≤	3.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.3170.

Technical Information

Formula	Cr ₂ H ₈ N ₂ O ₇
Chemical formula	(NH ₄) ₂ Cr ₂ O ₇
Density	2.15 g/cm ³ (20°C)
Molar mass	252.07 g/mol
Bulk density	~ 900 kg/m ³
CAS number	7757-83-7
HS Code	28415000
EC number	231-143-1
Storage	Without limitation
SDS	available
R phrase	R 45-46-60-61-2-8-E21
S phrase	S 53-45-60-61
Odour	odourless
Form	solid
Color	orange
Ignition temperature	218 °C
p H	3.45(100g/l)
Solubility in water	360g/l (20°C)
Melting point.	180 °C



Ammonium hydrogen carbonate (Ammonium bicarbonate)

Extra Pure

(NH₄)HCO₃

M= 79.06 g/mol

Specification

Assay	98.0 - 101.0	%
Solubility	Conforms	
Description	Conforms	
Identification	Conforms	
Chloride	≤ 0.003	%
Sulphate	≤ 0.005	%
Heavy metals	≤ 0.003	%
pH	~ 8.0	
Nonvolatile residue	≤ 0.05	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.2340.

Technical Information

Formula:	CH ₅ NO ₃
Chemical formula:	(NH ₄)HCO ₃
Density:	1.586 g/cm ³
Molar mass:	79.06 g/mol
CAS number:	1066-33-7
HS code:	28361000
EC number:	213-911-5
Storage (temperature):	at +2 °C to +25 °C
SDS	available
RTECS:	BO8600000
R phrase:	R 22
Odour:	Slightly of ammonia
Form:	solid
Color:	colourless
pH value:	~ 8 (50 g/l 20 °C)
Solubility in water:	220 g/l (20 °C)
Solubility in ethanol:	insoluble
Melting point:	106 °C
Vapour pressure:	67 hPa (20 °C)
Thermal decomposition:	~ 60 °C



Ammonium peroxodisulfate (Ammonium persulfate)

Extra Pure

(NH₄)₂S₂O₈

M=228.20 g/mol

Specification

Assay	≥ 98.0	%
Description	Conforms	
Identification	Conforms	
Chloride	≤ 0.002	%
Iron	≤ 0.001	%
Manganese	≤ 0.002	%
Heavy metals	≤ 0.003	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.3060.

Technical Information

Formula	H ₈ N ₂ O ₈ S ₂
Chemical formula	(NH ₄) ₂ S ₂ O ₈
Density	1.98 g/cm ³ (20°C)
Molar mass	228.20 g/mol
Bulk density	~ 900 kg/m ³
CAS number	7727_54_0
HS Code	28334000
EC number	231-786-5
Storage	Store at 2 to 25 °C
SDS	available
RTECS	SE0350000
R phrase	R 8-22-36/37/38-42/43
S phrase	S 22-24-26-37
Odour	odourless
Form	solid
Color	white
pH	3.2(100g/l)
Solubility in water	620g/l (20°C)
Melting point	120 °C
Thermal decomposition	>120 °C





Barium chloride dihydrate

Extra Pure

BaCl₂ * 2 H₂O

M = 244.28 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Heavy metals	≤	0.001	%
Fe	≤	0.001	%
Substance not precipitate by dilute sulfuric acid (as sulphat)	≤	0.1	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2470.

Technical Information

Formula	BaCl ₂ *2 H ₂ O
Chemical formula	BaCl ₂ *2 H ₂ O
Density	3.86 g/cm ³ (20°C)
Molar mass	244.28 g/mol
Bulk density	~ 1200 - 1400 kg/m ³
EC index number	056-004-00-8
CAS number	10326-27-9
HS Code	28273980
EC number	233-788-1
Storage	Without limitation
SDS	available
RTECS	CQ8751000
R phrase	R 20-25
S phrase	S 45
Odour	odourless
Form	solid
Color	white
p H	5.2 - 8.2(50g/l 20°C)
Solubility in water	375 g/l (20°C)
Vapour pressure	low
Boiling point	1560 °C (anhydrous)
Melting point	963 °C (anhydrous)
Thermal decomposition	>100 °C



Barium sulfate

Extra Pure

BaSO₄

M=233.40 g/mol

Specification

Assay		97.5 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
p H		3.5 - 10.0	
Heavy metals	≤	0.001	%
Limit of sulfide	≤	0.0005	%
limit of acid soluble substances	≤	0.3	%
limit of soluble barium salts	≤	0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3190.

Technical Information

Formula	BaO ₄ S
Chemical formula	BaSO ₄
Density	4.5 g/cm ³ (20°C)
Molar mass	233.40 g/mol
Bulk density	~500 kg/m ³
CAS number	7727-43-7
HS Code	28332700
EC number	231-784-4
Storage	Without limitation
SDS	available
Odour	odourless
Form	Solid
Color	white
p H	3.5 - 10.0 (100g/l 20 °C)
Solubility in water	<0.01 g/l (20°C)
Melting point	1380 °C
Vapour pressure	low
Thermal decomposition	1580 °C

Benzoic acid

Extra Pure, Laboratory USP Reagent

C7H6O2

M = 122.12 g/mol

Specification

Assay	99.5 – 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.001	%
Congeeing range	121 - 123	°C
Readily carbonizable substances	Conforms	
Residue on ignition	≤ 0.05	%
Readily oxidazable substances	≤ 0.5	ml
Water	≤ 0.7	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container			
1	kg		●
5	kg		
10	kg		

Product Code: 1.1640.

Technical Information

Formula (Hill):	C7H6O2
Chemical formula:	C6H5COOH
Density:	1.321 g/cm ³ (20 °C)
Molar mass:	122.12 g/mol
Bulk density:	~ 500 kg/m ³
CAS number:	65-85-0
HS code:	29163100
EC number:	200-618-2
Storage (temperature):	Store at +5°C to +30°C
SDS	Available
R phrase:	R 22-36
S phrase:	S 24
Odour:	Characteristic
Form:	Solid
Color:	White
Ignition temperature:	532 °C
PH value:	3.1 (1 g/l 20 °C)
Solubility in water:	2.9 g/l (25°C)
Solubility in chloroform:	(20 °C) soluble
Flash point:	121 °C (c.c)
Boiling point:	249 °C (1013 h Pa)
Melting point:	121 – 123 °C
Vapour pressure:	1.3 Pa (20 °C)



Boric acid

Extra Pure, Laboratory USP Reagent

H3BO3

M= 61.83 g/mol

Specification

Assay	99.5 – 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.002	%
Completeness of solution	Conforms	
Loss on drying	≤ 0.5	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container			
1	kg		●
5	kg		
10	kg		

Product Code: 1.1830.

Technical Information

Formula	H3BO3
Density	1.44 g/cm ³
Molar mass	61.83 g/mol
CAS number	10043-35-3
HS code	28100090
EC number	233-139-2
Storage (temprature)	Without limitation
SDS	Available
RTECS	ED4550000





n- Butanol (1-Butanol)

Extra Pure

C₄H₁₀O

M=74.12 g/mol

1lit=0.81 g/cm³

Specification

Assay	≥	99.0	%
Solubility		Conforms	
Description		Conforms	
Identification		Conforms	
Specification gravity		0.807 – 0.809	g/cm ³
Acidity	≤	2.5	ml
Limit of nonvolatile residue	≤	0.004	%
Distilling range		Conforms	
Aldehydes		Conforms	
Water	≤	0.1	%

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

Product Code: 1.1770.

Technical Information

Formula	CH ₃ (CH ₂) ₃ OH
Density	0.81 g/cm ³
Molar mass	74.12 g/mol
CAS number	71-36-3
HS code	29051300
EC number	200-751-6
Storage (temperature)	Without limitation
SDS	Available
RTECS	EO1400000
R phrase	R 10-22-37/38-41-67
S phrase	S 7/9-13-26-37/39-45



Caffeine

Extra Pure

C₈H₁₀N₄O₂

M = 194.20 g/mol

Specification

Assay		98.5 - 101.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Appearance of solution		Conforms	
Readily carbonisable substance		Conforms	
Acidic substances		Conforms	
p H		5.5 - 6.5	
Sulfate	≤	0.05	%
Heavy metals	≤	0.001	%
Sulfated ash	≤	0.1	%
Loss on drying	≤	0.5	%
Melting range		235.0 - 239.0	°C

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2480.

Technical Information

Formula	C ₈ H ₁₀ N ₄ O ₂
Chemical formula	C ₈ H ₁₀ N ₄ O ₂
Density	1.23 g/cm ³ (18 °C)
Molar mass	194.20g/mol
Bulk density	~ 220 kg/m ³
CAS number	58-08-2
EC index number	613-086-00-5
HS Code	29393000
EC number	200-362-1
Storage	Store at 15 to 25 °C
SDS	available
R phrase	R 22
Odour	odourless
Form	solid
Color	white
p H	5.5 -6.5 (10g/l 20 °C)
Solubility in water	20 g/l (20°C)
Ignation temperature	~ 600 °C
Melting point	235 - 239 °C
Vapour pressure	20 hpa (80 °C)



Calcium carbonate precipitated

Extra Pure

CaCO₃

M=100.09 g/mol

Specification

Assay	98.0-100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.002	%
Acid – insoluble substances	≤ 0.2	%
Iron	≤ 0.1	%
Limit of magnesium & alkali salts	≤ 1.0	%
Loss on drying	≤ 2.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container			
1	kg		●
5	kg		
10	kg		

Product Code: 1.1860.

Technical Information

Formula	CCaO3
Density	2.93 g/cm ³
Molar mass	100.09 g/mol
CAS number	471-34-1
HS code	28365000
EC number	207-439-9
Storage (temperature)	Without limitation
SDS	Available
RTECS	FF9335000



Calcium chloride dihydrate

Extra Pure

CaCl₂ , 2H₂O

M=147.01 g/mol

Specification

Assay	99.0 – 107.0	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
pH(5% Water)	4.5 – 9.2	
Iron,aluminium & phosphate	Conforms	
Limit of magnesium & alkali salt	≤ 1.0	%
Heavy metals	≤ 0.001	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container			
1	kg		●
5	kg		
10	kg		

Product Code: 1.1870.

Technical Information

Formula	CaCl ₂ , 2H ₂ O
Density	1.82 g/cm ³
Molar mass	147.01 g/mol
CAS number	10035-04-8
HS code	28272000
EC number	233-140-8
Storage (temperature)	Without limitation
SDS	Available
RTECS	EV9810000
R phrase	R 36
S phrase	S 22 -24





Chromium(III) chloride hexahydrate

Product Code: 1.3290.

Extra Pure

CrCl₃*6H₂O

M=266.45 g/mol

Specification

Assay	≥	96.0	%
Description		Conforms	
Identification		Conforms	
p H		2.0 - 3.0	
Sulphate	≤	0.05	%
Iron	≤	0.03	%
Copper	≤	0.001	%
Lead	≤	0.005	%
Substances not precipitated by ammonium sulfide	≤	0.2	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Technical Information

Formula	Cl ₃ Cr*6H ₂ O
Chemical formula	CrCl ₃ *6H ₂ O
Density	2.76 g/cm ³ (20°C)
Molar mass	266.45 g/mol
Bulk density	~ 700 kg/m ³
CAS number	10060-12-5
HS Code	28273980
EC number	233-038-3
Storage	Without limitation
SDS	available
R phrase	R 22
S phrase	S 24/25
Odour	slightly pungent
Form	solid
Color	green
p H	2.0 - 3.0(50g/l)
Solubility in water	590g/l (20°C)
Melting point	95 °C
Vapour pressure	low



Calcium nitrate tetrahydrate

Product Code: 1.2350.

Extra Pure

Ca(NO₃)₂*4H₂O

M = 236.15 g/mol

Specification

Assay	≥	98.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
pH		4.0 - 6.0	
Chloride	≤	0.005	%
Sulphate	≤	0.02	%
Heavy metals	≤	0.002	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Technical Information

Formula:	CaN ₂ O ₆ *4H ₂ O
Chemical formula:	Ca(NO ₃) ₂ *4H ₂ O
Density:	1.82 g/cm ³ (20°C)
Molar mass:	236.15 g/mol
Bulk density:	~1000 kg/m ³
CAS number:	13477 - 34 - 4
HS code:	28342980
EC number:	233 - 332 -1
Storage (temperature):	Without limitations.
SDS	available
R phrase:	R 8-36
Odour:	odourless
Form:	solid
Color:	colourless
pH value:	5.0 - 7.0 (50 g/l 25 °C)
Solubility in water:	1470 g/l (20 °C)
Melting point:	45 °C
Thermal decomposition:	561 °C



Cetyl alcohol

(1-Hexadecanol)

Extra Pure, Laboratory USP Reagent

C16H34O

M = 242.44 g/mol

Specification

Assay	≥	90.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Acid value	≤	2.0	
Hydroxyl value		218 - 238	
Iodine value	≤	5.0	

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2950.

Technical Information

Formula	C16H34O
Chemical formula	C16H34O
Density	0.82 g/cm ³ (20°C)
Molar mass	242.44 g/mol
Bulk Density	410 - 450 kg/m ³
CAS number	36653-82-4
HS Code	29051700
Storage	Store at 15 to 30 °C
SDS	available
Odour	rancid
Form	solid
Color	colourless
Ignition temperature	~235 °C
Solubility in water	<0.0001g/l (25 °C)
Solubility in ethanol	soluble (20 °C)
Flash point	~155 °C
Boiling point	305 -330 °C
Boiling point	46 - 52 °C
Vapour pressure	~1.0 hPa

Chloral hydrate

Extra Pure

Cl3CCH(OH)2

M = 165.40 g/mol

Specification

Assay		99.5 - 102.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Acidity		Conforms	
Residue on ignition	≤	0.1	%
Chloride	≤	0.007	%
Readily carbonizable substances		Conforms	
p H		3.5 - 5.5	
Heavy metals	≤	0.002	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3390.

Technical Information

Chemical formula	Cl3CCH(OH)2
Density	1.91 g/cm ³ (20°C)
Molar mass	165.40 g/mol
CAS number	302-17-0
HS Code	29055999
EC number	206-117-5
Storage	+15 °C to +25 °C
SDS	available
R phrase	R 25-36/38
S phrase	S 25-45
Odour	pungent
Form	solid
Color	white
p H	3.5 -5.5 (100g/l 20 °C)
Solubility in water	4740 g/l (20°C)
Solubility in ethanol	soluble
Boiling point	97.5 °C
Melting point	52 °C
Vapour pressure	13 hPa
Thermal decomposition	97 °C





Cobalt(II) nitrate hexahydrate

Extra Pure

$\text{Co}(\text{NO}_3)_2 \cdot 6 \text{H}_2\text{O}$

M = 291.04 g/mol

Specification

Assay	≥	97.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
pH	~	4.0	
Chloride	≤	0.005	%
Sulphate	≤	0.02	%
Nickel	≤	0.3	%
Iron	≤	0.01	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2400.

Technical Information

Formula:	$\text{CoN}_2\text{O}_6 \cdot 6 \text{H}_2\text{O}$
Chemical formula:	$\text{Co}(\text{NO}_3)_2 \cdot 6 \text{H}_2\text{O}$
Density:	1.87 g/cm ³ (20 °C)
Molar mass:	291.04 g/mol
Bulk density:	~800 kg/m ³
CAS number:	10026 - 22 - 9
HS code:	28342920
EC number:	233 - 402 - 1
Storage (temperature):	Without limitations.
SDS	available
RTECS:	QU7355500
R phrase:	R 22- 40 - 43
S phrase:	S 36/37
Odour:	Weak
Form:	solid
Color:	reddish - brwn
pH value:	~4.0 (100 g/l 20 °C)
Solubility in water:	1330 g/l (0 °C)
Melting point:	57 °C
Thermal decomposition:	>74 °C



Copper(II) acetate monohydrate

Extra Pure

$(\text{CH}_3\text{COO})_2\text{Cu} \cdot \text{H}_2\text{O}$

M = 199.65 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Water insoluble matter		Conforms	
p H		5.2 - 5.5	
Chloride	≤	0.01	%
Sulphate	≤	0.2	%
Iron	≤	0.005	%
Zinc	≤	0.01	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2690.

Technical Information

Formula	$\text{C}_4\text{H}_6\text{CuO}_4 \cdot \text{H}_2\text{O}$
Chemical formula	$(\text{CH}_3\text{COO})_2\text{Cu} \cdot \text{H}_2\text{O}$
Density	1.88g/cm ³
Molar mass	199.65 g/mol
Bulk density	~ 1100 kg/m ³
CAS number	6046-93-1
HS Code	29152900
EC number	205-553-3
Storage	Without limitation
SDS	available
R phrase	R 22-41-50/53
S phrase	S 26-39-61
Odour	odourless
Form	solid
Color	green
p H value	5.2 - 5.5 (20g/l 20°C)
Solubility in water	72 g/l (20°C)
Solubility in ethanol	71 g/l (20°C)
Boiling point	decomposition
Melting point	115 °C
Thermal decomposition	240 °C



Copper(II) sulfate pentahydrate

Extra Pure

$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

M= 249.68 g/mol

Specification

Assay	98.5 – 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Appearance of solution	Conforms	
Chloride	≤ 0.01	%
Fe	≤ 0.003	%
Pb	≤ 0.005	%
Ni	≤ 0.005	%
Ca	≤ 0.005	%
Na	≤ 0.02	%
K	≤ 0.01	%
Loss on drying (250 °c)	35.0 - 36.5	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.1890.

Technical Information

Formula	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Density	2.29 g/cm ³
Molar mass	249.68 g/mol
CAS number	7758-99-8
HS code	28332500
EC number	231-847-6
Storage (temperature)	Without limitation
SDS	Available
RTECS	GL8900000
R phrase	R 22-36/38-50/53
S phrase	S 22 -60-61

Copper powder

Extra Pure

Cu

M= 63.55 g/mol

Specification

Assay	≥ 99.7	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Melting point	~ 1083	°C

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	
800	gr	

Plastic Container		
1	kg	
5	kg	
10	kg	



Product Code: 1.3470.

Technical Information

Formula	Cu
Density	8.96 g/cm ³
Molar mass	63.55 g/mol
CAS number	7440-50-8
HS Code	74061000
Storage	Without limitation
SDS	available



di Ammonium oxalate monohydrate

Product Code: 1.2440.

Extra Pure

(NH₄) 2C₂O₄ * H₂O

M = 142.11 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Heavy metals	≤	0.005	%
Iron	≤	0.002	%
Chloride	≤	0.01	%
Sulphate	≤	0.02	%
Residue on ignition	≤	0.1	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Technical Information

Formula	C ₂ H ₈ N ₂ O ₄ *H ₂ O
Chemical formula	(NH ₄) 2C ₂ O ₄ *H ₂ O
Density	1.5 g/cm ³ (20 °C)
Molar mass	142.11 g/mol
Bulk density	~ 480 kg/m ³
EC index number	607-007-00-3
CAS number	6009-70-7
HS Code	29171100
EC number	214-202-3
Storage	Without limitation
SDS	available
R phrase	R 21/22
S phrase	S 24/25
Odour	odourless
Form	solid
Color	white
p H	~ 6.4(14g/l 20 °C)
Solubility in water	45 g/l (20 °C)
Solubility in ethanol	sparingly soluble
Vapour pressure	low (20 °C)
Boiling point	(decomposition)
Melting point	70 °C (decomposition)
Thermal decomposition	>70 °C



di Potassium hydrogen phosphate anhydrous (dibasic Potassium Phosphate anhydrous)

Product Code: 1.2280.

Extra Pure, Laboratory USP Reagent

K₂HPO₄

M= 174.18 g/mol

Specification

Assay		98.0 - 100.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Heavy metals	≤	0.002	%
Loss on drying	≤	1.0	%
Insoluble substances	≤	0.2	%
pH		8.7 - 9.4	
Lead	≤	5	ppm

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Technical Information

Formula	HK ₂ O ₄ P
Chemical formula	K ₂ HPO ₄
Density	2.44 g/cm ³ (20°C)
Molar mass	174.18 g/mol
Bulk density	~ 700 – 1000 kg/m ³
CAS number	7758-11-4
HS code	28352400
EC number	231-834-5
Storage (temperature)	Without limitations
SDS	available
Odour	odourless
Form	Solid
Color	White
pH value	~ 9 (10 g/l 20°C)
Solubility in water	1600 g/l (20°C)
Solubility in ethanol	(20 °C) slightly soluble
Melting point	(decomposition)
Thermal decomposition	>180°C

di Sodium edetate (EDTA Na₂)

Extra Pure

C₁₀H₁₄N₂Na₂O₈*2H₂O

M= 372.24 g/mol

Specification

Assay	99.0 – 101.0	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.005	%
pH (1/20)	4.0 – 6.0	
Calcium	Conforms	
Loss on drying	8.7 – 11.4	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.1600.

Technical Information

Formula (Hill):	C ₁₀ H ₁₄ N ₂ Na ₂ O ₈ *2 H ₂ O
Molar mass:	372.24 g/mol
Bulk density:	~700 kg/m ³
CAS number:	6381-92-6
HS code:	29224995
EC number:	205-358-3
Storage (temperature):	Store at + 15 °C to +25 °C
SDS	Available
RTECS	AH4410000
Odour:	Odourless
Form:	Crystals
Color:	White
Ph value:	4 – 5 (50g/l 20 °C)
Solubility in water:	100 g/l (20 °C)
Melting point:	110 °C
Thermal decomposition	255 °C

di Sodium hydrogen phosphate (dibasic Sodium phosphate)

Extra Pure

Na₂HPO₄

M= 141.96 g/mol

Specification

Assay	98.0 – 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.002	%
Sulfate	≤ 0.2	%
Chloride	≤ 0.06	%
Insoluble substances	≤ 0.4	%
Loss on drying	≤ 5.0	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.1650.

Technical Information

Formula (Hill):	HN ₂ O ₄ P
Chemical formula:	Na ₂ HPO ₄
Molar mass:	141.96 g/mol
Bulk density:	~ 880 kg/m ³
CAS NUMBER:	7558-79-4
HS code:	28352200
EC number:	231-448-7
Storage (temperature)	Without limitations.
SDS	Available
RTECS:	WC4500000
Odour:	Odourless
Form:	Solid
Color:	Colourless
pH value:	8.7 9.3 (20g/l 20 °C)
Solubility in water:	77 g/l (20 °C)
Solubility in ethanol:	Slightly soluble
Melting point:	~ 250 °C
Thermal decomposition:	>250 °C



di Sodium tetraborate decahydrate (Borax)

Extra Pure

Na₂B₄O₇*10 H₂O

M= 381.37 g/mol

Specification

Assay		99.0 – 105.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Heavy metals	≤	0.002	%
Sulfate	≤	0.005	%
Chloride	≤	0.002	%
Carbonate & bicarbonate		Conforms	

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.1950.

Technical Information

Formula	Na ₂ B ₄ O ₇ *10 H ₂ O
Density	1.72 g/cm ³
Molar mass	381.37 g/mol
CAS number	1330-96-4
HS code	28401990
EC number	215-540-4
Storage (temperature)	Without limitation
SDS	Available
RTECS	VZ2275000
S phrase	S 24/25

Hydrochloric acid 37% Fumming

Extra Pure

HCl

M= 36.46 g/mol

1lit=1.17 g/cm³

Specification

Assay	~	37.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Relative density at 20 °C		1.17 -1.18	g/cm ³
Sulfate (SO ₄)	≤	0.02	%
Appearance of solution		Conforms	
Heavy metals	≤	2	ppm
Residue on evaporation	≤	0.01	%
Free Chlorine	≤	4	ppm
Fe (iron)	≤	5	ppm

Glass Bottles		
1	Liter	
2.5	Liter	

Plastic Bottles		
1	Liter	
2.5	Liter	●

Plastic Gallon		
5	Liter	●
10	Liter	
20	Liter	



Product Code: 1.1200.

Technical Information

Density:	~ 1.17 g/cm ³ (20°C)
HS code:	28061000
Storage (temperature):	Store at +2 °C to +25 °C
SDS	available
R phrase:	R 34-37
S phrase:	S 26-36/37/39-45
Odour:	pungent
Form:	liquid
Color:	colourless
Solubility in water:	(20°C) soluble
Vapour pressure:	190 hPa (20 °C)
Viscosity dynamical:	2.3 mPa*s (15 °C)

Hydroquinone

Extra Pure, Laboratory USP Reagent

C₆H₄(OH)₂

M=110.11 g/mol

Specification

Assay	99.0 - 100.5	%
Description	Conforms	
Identification	Conforms	
Melting range	170 - 174	°C
Water	≤ 0.5	%
Residue on ignition	≤ 0.5	%
Heavy metals	≤ 0.001	%
Sulphate	≤ 0.02	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2930.

Technical Information

Formula	C ₆ H ₆ O ₂
Chemical formula	C ₆ H ₄ (OH) ₂
Density	1.358 g/cm ³ (20°C)
Molar mass	110.11 g/mol
Bulk density	~ 600 kg/m ³
CAS number	123-31-9
HS Code	29072200
EC number	204-617-8
Storage	Store at 5 -25 °C
SDS	available
R Phrase	R 22-40-41-43-50-68
S Phrase	S 26-36/37/39-61
Odour	almost odorless
Form	solid
Color	colorless to white
Ignition temperature	515 °C
p H	3.75 (70g/l 20 °C)
Solubility in water	70 g/l (25°C)
Solubility in ethanol	freely soluble
Flash point	165 °C
Boiling point	287 °C
Melting point	172 °C
Vapour pressure	< 0.1 hpa
Thermal decomposition	>170 °C (25°C)



Hypophosphorous acid 50 %

Extra Pure, Laboratory USP Reagent

H₃PO₂

M= 66.00 g/mol

1lit=1.2 g/cm³

Specification

Assay	48.0 - 52.0	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Specific gravity	1.21 – 1.26	g/cm ³
Limit of barium	Conforms	
Heavy metals	≤ 0.002	%
Limit of oxalate	Conforms	

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter		10	Liter	
						20	Liter	

Product Code: 1.1960.

Technical Information

Formula	H ₃ PO ₂
Density	1.2 g/cm ³
Molar mass	66.00 g/mol
HS code	28111980
Storage (temperature)	Without limitation
SDS	Available
R phrase	R 34
S phrase	S 26-36/37/39-45





Iron(II) chloride tetrahydrate (ferrous chloride)

Extra Pure

FeCl₂*4H₂O

M = 198.83 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Sulfate	≤	0.02	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3080.

Technical Information

Formula	Cl ₂ Fe*4H ₂ O
Chemical formula	FeCl ₂ *4H ₂ O
Density	1.93 g/cm ³ (20°C)
Molar mass	198.83 g/mol
Bulk density	~ 900 kg/m ³
CAS number	13478-10-9
HS Code	28273300
EC number	233-843-4
Storage	Without limitation
SDS	available
R phrase	R 22-38-41
S phrase	S 26-39
Odour	odourless
Form	solid
Color	light green
p H	2.5(100g/l 20 °C)
Solubility in water	~ 1600 g/l (10 °C)
Solubility in ethanol	soluble
Melting point	105 -110 °C



Iron(III) chloride hexahydrate (ferric chloride)

Extra Pure

FeCl₃*6 H₂O

M = 270.33 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
In water insoluble matter	≤	0.05	%
Free acid	≤	0.2	%
Free chlorine		conforms	
Heavy metals	≤	0.005	%
Iron (ii)		Conforms	
Total nitrogen	≤	0.005	%
Sulfate	≤	0.01	%
Substances not precipitated by ammonia	≤	0.1	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2460.

Technical Information

Formula	Cl ₃ Fe*6 H ₂ O
Chemical formula	FeCl ₃ *6 H ₂ O
Molar mass	270.33 g/mol
Bulk density	~ 600 - 1200 kg/m ³
CAS number	10025-77-1
HS Code	28273300
EC number	231-729-4
Storage	Store at 15 to 25 °C
SDS	available
RTECS	NO5425000
R phrase	R 22-38-41
S phrase	S 26-39
Odour	of chlorine
Form	lumps
Color	yellow - brown
p H	~1.8 (10g/l 25°C)
Solubility in water	920g/l (20°C)
Solubility in ethanol	freely soluble
Melting point	37 °C



Iron(II) sulfate (Ferrous sulfate)

Extra Pure

$\text{FeO}_4\text{S} \cdot x\text{H}_2\text{O}$

Specification

Assay ($\text{FeSO}_4 \cdot x\text{H}_2\text{O}$)	98.0 - 101.5	%
Assay (FeSO_4)	86.0 - 89.0	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	

Product Code: 1.2290.

Technical Information

Formula	$\text{FeO}_4\text{S} \cdot x\text{H}_2\text{O}$
Chemical formula	$\text{FeSO}_4 \cdot x\text{H}_2\text{O}$
Density	$\sim 2.97 \text{ g/cm}^3 (20^\circ\text{C})$
Bulk density	$\sim 850 \text{ kg/m}^3$
CAS number	13463-43-9
HS code	28332950
EC number	231-753-5
Storage (temperature)	Store at $+15^\circ\text{C}$ to $+25^\circ\text{C}$
SDS	available
R phrase	R 22
S phrase	S 24/25
Odour	odourless
Form	solid
Color	greenish -yellow
pH value	2.5-3.8 (50 g/l 20°C)
Solubility in water	256 g/l (20°C)
Solubility in ethanol	insoluble
Melting point	$\sim 300^\circ\text{C}$
Thermal decomposition	$> 300^\circ\text{C}$

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Iron powder

Extra Pure

Fe

M= 55.85 g/mol

Specification

Assay	$\geq$	99.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Melting point	$\sim$	1535	$^\circ\text{C}$
Chloride	$\leq$	0.02	%
Sulfate	$\leq$	0.02	%

Product Code: 1.3460.

Technical Information

Formula	Fe
Density	7.87 g/cm^3
Molar mass	55.85 g/mol
CAS number	7439-89-6
HS Code	72052900
Storage	Without limitation
SDS	available

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	
800	gr	

Plastic Container		
1	kg	
5	kg	
10	kg	





Isoamyl alcohol

Extra Pure

C₅H₁₂O

M= 88.15 g/mol

Specification

Assay (Total isomeric compounds)	≥	98.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Density	~	0.808 - 0.809	
Water	≤	0.3	%

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter		10	Liter	
						20	Liter	

Product Code: 1.3320.

Technical Information

Formula	C ₅ H ₁₂ O
Chemical formula	C ₅ H ₁₂ O
Density	0.81 g/cm ³ (20°C)
Molar mass	88.15 g/mol
CAS number	30899-19-5
HS Code	29051500
EC number	250-378-8
Storage	Without limitation
SDS	available
R phrase	R 10-20-37-65
S phrase	S 46
Odour	haracteristic
Form	liquid
Color	colourless
Ignition temperature	~ 340 °C
p H	neutral (20g/l 20 °C)
Solubility in water	28 g/l (20°C)
Solubility in ethanol	soluble
Melting point	_117°C
Flash point	43 °C
Boiling point	131°C



Lactic acid

Extra Pure, Laboratory USP Reagent

M=1.21 g/cm³

Specification

Assay		88.0 - 92.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Specific rotation		-0.05 to +0.05 °	
p H		about 2.8	
Readily carbonizable substances		Conforms	
Heavy metals	≤	0.001	%
Residue on ignition	≤	0.05	%
Sugers		Conforms	
Chloride		Conforms	
Sulfate		Conforms	
Limit of citric ,phosphoric or tartaric acid		Conforms	

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

Product Code: 1.3450.

Technical Information

Density	1.21 g/cm ³ (20°C)
HS Code	29181100
Storage	at +15 °C to +25 °C
SDS	available
R phrase	R 38-41
S phrase	S 26-39
Odour	odourless
Form	oily
Color	Colourless
p H	~2.8 (10g/l 20 °C)
Solubility in water	freely soluble (20°C)
Boiling point	122 °C
Melting point	18 °C
Vapour pressure	0.1hPa
Viscosity dynamical	20 - 40 mPa*s (20°C)



Lead(II) nitrate

Extra Pure

Pb(NO₃)₂

M= 331.2 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Chloride	≤	0.005	%
Copper	≤	0.002	%
Iron	≤	0.002	%
Substance not precipitated by hydrogen sulfide	≤	0.2	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	
800	gr	

Plastic Container		
1	kg	
5	kg	
10	kg	

Product Code: 1.3050.

Technical Information

Formula	N ₂ O ₆ Pb
Chemical formula	Pb(NO ₃) ₂
Density	4.49 g/cm ³ (20°C)
Molar mass	331.2 g/mol
Bulk density	~1850 kg/m ³
CAS number	10099-74-8
HS Code	28342920
EC number	233-245-9
Storage	Without limitation
SDS	available
R Phrase	R 61-20/22-23-41-50
S Phrase	S 53-26-39-45-60-61
Odour	odorless
Form	solid
Color	white
p H	3.0 - 4.0(50g/l 20°C)
Solubility in water	486 g/l (20°C)
Melting point	485 - 459 °C



Lithium carbonate

Extra Pure

Li₂CO₃

M= 73.89 g/mol

Specification

Assay	≥	98.5	%
Description		Conforms	
Identification		Conforms	
Chloride	≤	0.05	%
Sulfate	≤	0.4	%
Heavy metals	≤	0.005	%
Calcium	≤	0.05	%
Iron, Aluminium		Conforms	
Sodium	≤	0.3	%
Loss on drying	≤	1.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	
800	gr	

Plastic Container		
1	kg	
5	kg	
10	kg	

Product Code: 1.3410.

Technical Information

Chemical formula	Li ₂ CO ₃
Density	2.1 g/cm ³ (20°C)
Molar mass	73.89 g/mol
Bulk density	~250 kg/m ³
CAS number	554-13-2
HS Code	28369100
EC number	209-062-5
Storage	Without limitation
SDS	available
RTECS	OJ5800000
R phrase	R 22-36
S phrase	S 24
Odour	odorless
Form	solid
Color	white





L(+)Tartaric acid

Extra Pure

HOOCCH(OH)CH(OH)COOH

M=150.09 g/mol

Specification

Assay	99.7 - 100.5	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Specific rotation	+12 to +13	°
Appearance of solution	Conforms	
Residue on ignition	≤ 0.1	%
Loss on drying	≤ 0.5	%
Limit of oxalate	Conforms	
Sulfate	Conforms	
Heavy metals	≤ 0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3270.

Technical Information

Formula	C ₄ H ₆ O ₆
Chemical formula	HOOCCH(OH)CH(OH)COOH
Density	1.76 g/cm ³ (20°C)
Molar mass	150.09 g/mol
Bulk density	~500 kg/m ³
CAS number	87-69-4
HS Code	29181200
EC number	201-766-0
Storage	Without limitation
SDS	available
R phrase	R 36
S phrase	S 24/25
Odour	odourless
Form	Solid
Color	white
Ignition temprature	425 °C
p H	1.6 (100g/l 20 °C)
Solubility in water	71390 g/l (20°C)
Solubility in ethanol	soluble (20°C)
Flash point	210 °c
Melting point	168 - 170 °C
Vapour pressure	low
Thermal decomposition	>170 °C



Magnesium chloride hexahydrate

Extra Pure

MgCl₂*6H₂O

M= 203.30 g/mol

Specification

Assay	98.0 101.0	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
pH	4.5 - 7.0	
Insoluble matter	Conforms	
Sulfate	≤ 0.005	%
Heavy metals	≤ 0.001	%
Barium	Conforms	
Potassium	Conforms	

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2300.

Technical Information

Formula	Cl ₂ Mg x 6 H ₂ O
Chemical formula	MgCl ₂ * 6H ₂ O
Density	~1.57 g/cm ³ (20°C)
Molar mass	203.30 g/mol
CAS number	7791- 18-6
HS code	28273100
EC number	232-094-6
Storage (temperature)	Store at +15°C to +25°C
SDS	available
RTECS	OM2975000
Odour	odourless
Form	solid
Color	colourless
pH value	5.0-6.5 (50 g/l 20°C)
Solubility in water	1670 g/l (20°C)
Melting point	~117°C
Thermal decomposition	> 117°C



Magnesium sulfate heptahydrate

Extra Pure

MgSO₄*7H₂O

M = 246.48 g/mol

Specification

Assay	98.0 - 100.5	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Insoluble matter	Conforms	
p H	5.0 - 9.2	
Chloride	≤ 0.014	%
Loss on ignition & drying	40.0 - 50.0	%
Iron	≤ 0.0005	%
Heavy metals	≤ 0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2500.

Technical Information

Formula	MgO ₄ S*7H ₂ O
Chemical formula	MgSO ₄ *7H ₂ O
Density	1.68 g/cm ³ (20 °C)
Molar mass	246.48 g/mol
Bulk density	~900 kg/m ³
CAS number	10034-99-8
HS Code	28332100
EC number	231-298-2
Storage	at +5°C to +30°C
SDS	available
RTECS	OM4508000
Odour	odourless
Form	solid
Color	colourless
p H	5.0-8.0 (50g/l 25 °C)
Solubility in water	710 g/l (20°C)
Vapour pressure	low
Thermal decomposition	1124 °C

Mercury(II) chloride

Extra Pure

HgCl₂

M=271.50 g/mol

Specification

Assay	99.5 - 100.5	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Acidity or alkalinity	Conforms	
Appearance of solution	Conforms	
Mercury (I)- chloride	Conforms	
Loss on drying	≤ 1.0	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3250.

Technical Information

Formula	Cl ₂ Hg
Chemical formula	HgCl ₂
Density	5.44 g/cm ³ (20°C)
Molar mass	271.50 g/mol
Bulk density	~2000 kg/m ³
CAS number	7487-94-7
HS Code	28273980
EC number	231-299-8
Storage	Without limitation
SDS	available
RTECS	OV9100000
R phrase	R 28-34-48/24//25-50/53
S phrase	S 36/37/39-45-60-61
Odour	odourless
Form	Solid
Color	white
p H	3.2 (15g/l 20 °C)
Solubility in water	74 g/l (20°C)
Boiling point	302 °C
Melting point	280.7 °C
Vapour pressure	0.01 Pa





Mercury(II) iodide red

Extra Pure

HgI₂

M= 454.39 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Substances soluble in water	≤	0.05	%
Residue on ignition	≤	0.1	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3420.

Technical Information

Chemical formula	HgI ₂
Density	6.36 g/cm ³ (20°C)
Molar mass	454.39 g/mol
Bulk density	~1350kg/m ³
CAS number	7774-29-0
HS Code	28276000
EC number	231-873-8
Storage	Without limitation
SDS	available
RTECS	OW5250000
R phrase	R 26/27/28-33-50
S phrase	S 13-28.1-45-60
Odour	odourless
Form	solid
Color	red
pH	~6 - 7 (50g/l 20 °C)
Solubility in water	0.06g/l (25°C)
Melting point	259 °C



Mercury(II) oxide red

Extra Pure

HgO

M= 216.59 g/mol

Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Appearance of solution		Conforms	
Acidic or alkaline substances		Conforms	
Chloride	≤	0.05	%
Nitrate		Conforms	
Yellow mercury(II)-oxide		Conforms	
Residue on ignition	≤	0.05	%
Loss on drying	≤	0.5	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3400.

Technical Information

Chemical formula	HgO
Density	11.1 g/cm ³ (20°C)
Molar mass	216.59 g/mol
Bulk density	~3000 kg/m ³
CAS number	21908-53-2
HS Code	28259050
EC number	244-654-7
Storage	Without limitation
SDS	available
RTECS	OW8750000
R phrase	R 26/27/28-33-50
S phrase	S 13-28.1-45-60
Odour	odourless
Form	solid
Color	red



Methanol

(methyl alcohol)

Extra Pure

CH₃OH

M=32.04 g/mol

1 lit= 1.48 g/cm³

Specification

Assay	≥	99.0	%
Solubility		Conforms	
Color & Description		Conforms	
Identification		Conforms	
Evaporation residue	≤	0.001	%
Specific gravity		0.791 – 0.792	g/cm ³
Boiling Point		64.0 – 65.0	°C
Water	≤	0.1	%

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter	●	5	Liter	●
2.5	Liter	●	2.5	Liter	●	10	Liter	●
						20	Liter	●

Product Code: 1.1250.

Technical Information

Formula:	CH ₄ O
Chemical formula:	CH ₃ OH
Density:	0.79 g/cm ³ (20 °C)
Molar mass:	32.04 g/mol
CAS number:	67-56-1
EC index number:	603-001-00-X
HS code:	29051100
EC number:	200-659-6
Storage (temperature):	Without limitation
SDS	available
RTECS:	PC1400000
R phrase:	R 11-23/24/25-39/23/24/25
S phrase:	S 7-16-36/37-45
Odour:	characteristic
Form:	liquid
Color:	colourless
Explosion limit:	5.5 -36.5 Vol %
Ignition temperature:	455 °C (DIN 51794)
Solubility in water:	(20°C) soluble
Flash point:	11 °C (c.c.)
Boiling point:	64.5 °C (1013 hPa)
Melting point:	-98 °C
Vapour pressure:	128 hPa (20 °C)
Viscosity dynamical :	0.597 mPa*s (20 °C)
Saturation concentration (air):	166 g/m ³ (20 °C)



Methylparaben

Extra Pure, Laboratory USP Reagent

C₈H₈O₃

M = 152.15 g/mol

Specification

Assay		98.0 - 102.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Color of solution		Conforms	
Melting range		125 - 128	°C
Acidity	≤	0.1	ml
Residue on ignition	≤	0.1	%
Related substances		Conforms	
Heavy metals	≤	0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2670.

Technical Information

Formula	C ₈ H ₈ O ₃
Chemical formula	C ₈ H ₈ O ₃
Molar mass	152.15 g/mol
Bulk density	~ 300 - 400 kg/m ³
CAS number	99-76-3
HS Code	29182930
EC number	202-785-7
Storage	storage 15 to 25
SDS	available
RTECS	DH2450000
Odour	almost odourless
Form	solid
Color	white
Ignition temprature	> 600 °C
Solubility in water	~ 2.5 g/l (20°C)
Solubility in ethanol	soluble
Melting point	125 - 128 °C
Vapour pressure	low(20 °C)
Thermal decomposition	270 - 280 °C





1- Naphtol (α -Naphtol)

Extra Pure

C₁₀H₇OH

M = 144.17 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Color of solution		Conforms	
Melting range		94.0 - 96.0	°C
Acidity	≤	0.1	ml
Residue on ignition	≤	0.1	%
Heavy metals	≤	0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2700.

Technical Information

Formula	C ₁₀ H ₈ O
Chemical formula	C ₁₀ H ₇ OH
Density	1.28g/cm ³
Molar mass	144.17 g/mol
Bulk density	~ 450 kg/m ³
CAS number	90-15-3
HS Code	29071510
EC number	201-969-4
Storage	storage 15 to 25 °C
SDS	available
RTECS	QL2800000
R phrase	R 21/22-37/38-41
S phrase	S 22-26-37/39
Odour	phenol like
Form	solid
Color	white to bluish
Ignation temperature	510 °C
Solubility in water	~0.1 g/l (20°C)
Solubility in ethanol	freely soluble
Flash point	125 °C
Boiling point	~288 °C
Melting point	94 - 96 °C
Vapour pressure	1.3 hpa (94 °C)



Nickel(II) chloride hexahydrate

Extra Pure

NiCl₂*6H₂O

M=237.70 g/mol

Specification

Assay	≥	98.0	%
Description		Conforms	
Identification		Conforms	
p H		3.5 - 5.5	
Sulphate	≤	0.005	%
Iron	≤	0.001	%
Zn	≤	0.001	%
Lead	≤	0.002	%
Sodium	≤	0.010	%
Calcium	≤	0.005	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3150.

Technical Information

Formula	Cl ₂ Ni*6H ₂ O
Chemical formula	NiCl ₂ *6H ₂ O
Density	1.92g/cm ³ (20°C)
Molar mass	237.70 g/mol
Bulk density	~ 640 kg/m ³
CAS number	7791-20-0
HS Code	28273500
EC number	231-743-0
Storage	Without limitation
SDS	available
R phrase	R 25-43-50/53
S phrase	S 24-37-45-61
Odour	odourless
Form	solid
Color	green
p H	4.9(100g/l)
Solubility in water	2540g/l (20°C)
Solubility in ethanol	soluble
Melting point	~1001 °C



Nickel(II) sulfate hexahydrate

Extra Pure

NiSO₄*6H₂O

M= 262.86 g/mol

Specification

Assay	≥	98.0	%
Description		Conforms	
Identification		Conforms	
p H		4.3 - 4.7	
Sulphate	≤	0.003	%
Iron	≤	0.01	%
Copper	≤	0.2	%
Lead	≤	0.001	%
Substances not precipitated by ammonium sulfide	≤	0.5	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.3140.

Technical Information

Formula	NiO ₄ S*6H ₂ O
Chemical formula	NiSO ₄ *6H ₂ O
Density	2.07 g/cm ³ (20°C)
Molar mass	262.86 g/mol
Bulk density	~1000 kg/m ³
CAS number	10101-97-0
HS Code	28332400
EC number	232-104-9
Storage	Without limitation
SDS	available
R phrase	R 22-40-42/43-50/53
S phrase	S 22-36/37-60-61
Odour	odourless
Form	crystal
Color	green
p H	4.3 - 4.7 (100g/l)
Solubility in water	650g/l (20°C)
Thermal decomposition	~800 °C



Ninhydrin

Extra Pure

C₉H₆O₄

M = 178.15 g/mol

Specification

Description	Conforms
Identification	Conforms
Solubility	Conforms
Application test	Conforms
p H	4.6 - 5.0

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	
800	gr	

Plastic Container		
1	kg	
5	kg	
10	kg	

Product Code: 1.2720.

Technical Information

Formula	C ₉ H ₆ O ₄
Molar mass	178.15 g/mol
Bulk density	~ 680 kg/m ³
CAS number	485-47-2
HS Code	29144090
EC number	207-618-1
Storage	at 15 to 30°C
SDS	available
R phrase	R 22-36/37/38
Odour	weak characteristic odour
Form	solid
Color	light yellow
p H value	4.6 - 5.0 (10 g/l 20 °C)
Solubility in water	20 g/l (20 °C)
Melting point	250 - 258 °C
Thermal decomposition	~ 250 °C





Nitric acid 55%

Extra Pure

HNO₃

M= 63.01 g/mol

1 lit= 1.3 g/cm³

Specification

Assay	~	55.0	%
Description		Conforms	
Identification		Conforms	
Chloride	≤	0.005	%
Sulfate	≤	0.001	%
Heavy metals	≤	0.002	%
Relative density at 20 °C	~	1.3	g/cm ³
Residue on ignition	≤	5	ppm

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

Product Code: 1.1300.

Technical Information

HS code:	28080000
Storage (temperature):	store at +2°C to +25°C available
SDS:	
R phrase:	R35
S phrase:	S 23.2-26-36/37/39-45
Odour:	pungent
Form:	liquid
Color:	colourless
Solubility in water:	(20 °C) soluble
Boiling point:	121 °C
Melting point:	~ -32°C
Vapour pressure:	~ 9.4 hpa(20 °C)



Nitric acid 65%

Extra Pure

HNO₃

M= 63.01 g/mol

1lit= 1.37 g/cm³

Specification

Assay	~	65.0	%
Description		Conforms	
Identification		Conforms	
Chloride	≤	0.0005	%
Sulfate	≤	0.001	%
Heavy metals	≤	0.0002	%
Iron	≤	0.0002	%
Residue on ignition	≤	0.005	%

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

Product Code: 1.1320.

Technical Information

Density:	~ 1.37 g/m ³ (20 °C)
HS code:	28080000
Storage (temperature):	store at +2°C to +25°C available
SDS:	
R phrase:	R35
S phrase:	S 23.2-26-36/37/39-45
Odour:	pungent
Form:	liquid
Color:	colourless
Solubility in water:	(20 °C) soluble
Boiling point:	121 °C
Melting point:	~ -32°C
Vapour pressure:	~ 9.4 hpa(20 °C)



Oxalic acid dihydrate

Extra Pure

(COOH) 2*2 H2O

M = 244.28 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Heavy metals	≤	0.002	%
Iron	≤	0.001	%
Chloride	≤	0.002	%
Sulphate	≤	0.02	%
Total nitrogen	≤	0.005	%
Residu on ignition	≤	0.3	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.2450.

Technical Information

Formula	C2H2O4*2 H2O
Chemical formula	(COOH) 2*2 H2O
Density	1.65 g/cm³ (20°C)
Molar mass	244.28 g/mol
EC index number	607-006-00-8
CAS number	6153-56-6
HS Code	29171100
EC number	205-634-3
Storage	Without limitation
SDS	available
R phrase	R 21/22
S phrase	S 24/25
Odour	odourless
Form	solid
Color	white
p H	~ 1(10g/l 20 °C)
Solubility in water	102 g/l (20 °C)
Solubility in ethanol	(20°C)soluble
Vapour pressure	~ 25 hpa (20 °C)
Flash point	157 °C (decomposition)
Boiling point	149 - 160 °C
Melting point	101 °C
Thermal decomposition	>157 °C (anhydrous)

Polysorbate 60

(Tween 60)

Extra Pure

1lit= 1.1 g/cm³

Specification

Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Acid value	≤	2.2	
Hydroxyl value		81 - 96	
Saponification value		45 - 55	
Residual on ignition	≤	0.25	%
Heavy metals	≤	0.001	%
Water	≤	3.0	%

Glass Bottles		
1	Liter	●
2.5	Liter	●

Plastic Bottles		
1	Liter	
2.5	Liter	

Plastic Gallon		
5	Liter	
10	Liter	
20	Liter	

Product Code: 1.2540.

Technical Information

Density	1.1g/cm³ (20°C)
CAS number	9005-67-8
HS Code	34021300
Storage	Store at 15 to 25 °C
SDS	available
Odour	odourless
Form	gel
Color	yellow
Solubility in water	soluble (25 °C)
Solubility in ethanol	soluble
Flash point	~ 149 °C
Boiling point	~ 100 °C
Vapour pressure	~ 10 hpa
Viscosity dynamical	400 -800 mm2/s (25 °C)



Polysorbate 80 (Tween 80)

Extra Pure

1lit= 1.07 g/cm³

Specification

Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Specific gravity		1.06 - 1.09	g/cm ³
Viscosity		300 - 500	Cs
Acid value	≤	2.2	
Hydroxyl value		65 - 80	
Saponification value		45 - 55	
Residual on ignition	≤	0.25	%
Heavy metals	≤	0.001	%
Water	≤	3.0	%

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter		10	Liter	
						20	Liter	

Product Code: 1.2550.

Technical Information

Density	1.07 g/cm ³ (20°C)
CAS number	9005-65-6
HS Code	34021300
Storage	15 to 25 °C
SDS	available
Odour	odourless
Form	liquid
Color	yellow
p H value	5 - 7 (50 g/20 °C)
Solubility in water	soluble (20 °C)
Solubility in ethanol	soluble (20 °C)
Flash point	> 149 °C
Boiling point	> 100 °C
Vapour pressure	< 1.33 hpa
Viscosity kinematic	300 -500 mm2/s (25 °C)

Polyethylene glycol 400 (PEG 400)

Extra Pure

HO(C₂H₄O) n H
M = 380- 420 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Completeness & color of solution		Conforms	
Viscosity (98.9 °C)		6.8 - 8.0	Cs
p H value		4.5 - 7.5	
Residue on ignition	≤	0.1	%
Heavy metals	≤	0.002	%
Limit of free ethylene oxide & 1,4 dioxane	≤	0.001	%
Limit of ethylene glycole & diethylene glycole	≤	0.25	%
Average molecular weight		380 - 420	

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter		10	Liter	
						20	Liter	

Product Code: 1.2560.

Technical Information

Formula	HO(C ₂ H ₄ O) n H
Chemical formula	HO(C ₂ H ₄ O) n H
Density	1.12 g/cm ³ (20°C)
Molar mass	380 - 420 g/mol
CAS number	25322 -68-3
HS Code	39072011
Storage	Store at 15 to 25 °C
SDS	available
Odour	almost odourless
Form	liquid to viscose
Color	colourless
Ignition tempratue	360 °C
p H value	5 - 7 (100 g/l 20 °C)
Solubility in water	soluble 20 °C)
Flash point	240 °C (0 °C)
Boiling point	~ 250 °C
Melting point	4 - 8 °C
Vapour pressure	~ 0.1hpa (20 °C)
Thermal decomposition	~ 220 °C
Viscosity dynamical	105 - 140 mPa*s (20 °C)
Viscosity kinematic	97 -110 mm2/s (20 °C)

Polyethylene glycol 600 (PEG 600)

Extra Pure

HO(C₂H₄O) n H
M= 600 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Completeness & color of solution		Conforms	
Viscosity (98.9 °C)		9.9 - 11.3	Cs
p H value		4.5 - 7.5	
Residue on ignition	≤	0.1	%
Heavy metals	≤	0.002	%
Limit of free ethylene oxide & 1,4 dioxane	≤	0.001	%
Limit of ethylene glycole & diethylene glycole	≤	0.25	%
Average molecular weight		570 - 630	

Glass Bottles		
1	Liter	●
2.5	Liter	●

Plastic Bottles		
1	Liter	
2.5	Liter	

Plastic Gallon		
5	Liter	
10	Liter	
20	Liter	

Product Code: 1.2570.

Technical Information

Formula	HO(C ₂ H ₄ O) n H
Chemical formula	HO(C ₂ H ₄ O) n H
Density	1.13 g/cm ³ (20°C)
Molar mass	600 g/mol
CAS number	25322-68-3
HS Code	39072011
Storage	Without limitation
SDS	available
Odour	almost odourless
Form	liquid to viscose
Color	colourless
Ignition temprature	380 °C
p H value	5 - 7 (100 g/l 20 °C)
Solubility in water	soluble 20 °C)
Flash point	270 °C (0 °C)
Boiling point	~ 270 °C
Melting point	17 - 22 °C
Vapour pressure	~ 0.1hpa (20 °C)
Thermal decomposition	~ 250 °C

Potassium acetate

Extra Pure

CH₃COOK
M = 98.15 g/mol

Specification

Assay	99.0 - 100.5	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Appearance of solution	Conforms	
Insoluble substances	Conforms	
p H	7.5 - 8.5	
Heavy metals	≤	0.002 %
Chloride	≤	0.01 %
Sulphate	≤	0.005 %
Sodium	≤	0.03 %
Loss on drying	≤	1.0 %

Glass Bottles		
5	gr	
10	gr	●
25	gr	

Plastic Container		
100	gr	
500	gr	
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.2420.

Technical Information

Formula	C ₂ H ₃ KO ₂
Chemical formula	CH ₃ COOK
Density	1.57 g/cm ³ (20°C)
Molar mass	98.15 g/mol
Bulk density	~ 500 kg/m ³
CAS number	127-08-2
HS Code	29152900
EC number	204-822-2
Storage	Without limitation
SDS	available
Odour	weakly of acetic acid
Form	solid
Color	white
p H	7.5 - 8.5(50g/l 20°C)
Solubility in water	2530 g/l (20°C)
Solubility in ethanol	freely soluble
Melting point	292 °C
Flash point	> 250 °C





Potassium bromide

Extra Pure

KBr

M=119.01 g/mol

Specification

Assay		98.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Acidity & alkalinity	≤	0.5	ml
Loss on drying	≤	1.0	%
Bromate		Conforms	
Limit of chloride	≤	0.6	%
Iodides		Conforms	
Sulfates	≤	0.01	%
Limit of iron	≤	20.0	ppm
Magnesium & alkaline - earth metals	≤	0.02	%
Heavy metals	≤	10.0	ppm

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3120.

Technical Information

Formula	BrK
Chemical formula	KBr
Density	2.75 g/cm ³ (20°C)
Molar mass	119.01 g/mol
Bulk density	~ 900 -1000 kg/m ³
CAS number	7758- 02- 3
HS Code	28275100
EC number	231- 830-3
Storage	Without limitation
SDS	available
RTECS	TS7650000
Odour	oderless
Form	solid
Color	colorless to white
p H	5.5 - 8.5 (50g/l 20°C)
Solubility in water	650 g/l (20°C)
Solubility in ethanol	4 g/l (20°C)
Boiling point	1435 °C
Melting point	730 °C
Vapour pressure	<1.3 hpa



Potassium carbonate

Extra Pure

K₂CO₃

M = 138.21 g/mol

Specification

Assay		99.5 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Appearance of solution		Conforms	
Insoluble substances		Conforms	
p H		11.5 - 12.5	
Heavy metals	≤	0.0005	%
Chloride	≤	0.002	%
Sulphate	≤	0.01	%
Loss on drying	≤	0.5	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2430.

Technical Information

Formula	CK2O3
Chemical formula	K ₂ CO ₃
Density	2.43 g/cm ³ (20 °C)
Molar mass	138.21 g/mol
Bulk density	~ 750 kg/m ³
CAS number	584-08-7
HS Code	28364000
EC number	209-529-3
Storage	Without limitation
SDS	available
RTECS	TS7750000
R phrase	R 36/37/38
S phrase	S 22-26
Odour	odourless
Form	solid
Color	white
p H	~ 11.5 - 12.5(50g/l 20 °C)
Solubility in water	1120 g/l (20 °C)
Solubility in ethanol	almost insoluble
Melting point	891 °C



Potassium chromate

Extra Pure

K₂CrO₄

M = 194.20 g/mol

Specification

Assay	≥	99.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Chloride	≤	0.001	%
Sulfate	≤	0.01	%
Heavy metals	≤	0.005	%
Calcium	≤	0.005	%
Sodium	≤	0.02	%
Lead	≤	0.005	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.3490.

Technical Information

Chemical formula	K ₂ CrO ₄
Density	2.73 g/cm ³ (20 °C)
Molar mass	194.20 g/mol
Bulk density	~1400 kg/m ³
CAS number	7789-00-6
HS Code	28415000
EC number	232-140-5
Storage	Without limitation
SDS	available
R phrase	R 49-46-36/37/38-43
S phrase	S 53-45-60-61
Odour	odourless
Form	solid
Color	yellow
p H	9.0 -9.8 (50g/l 20 °C)
Solubility in water	637 g/l (20 °C)
Solubility in ethanol	insoluble
Boiling point	1000 °C
Melting point	985 °C
Vapour pressure	low

Potassium Chloride

Extra Pure

KCl

M= 74.55 g/mol

Specification

Assay		99.5 – 100.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Heavy metals	≤	0.001	%
Acidity or alkalinity		Conforms	
Iodide	≤	0.005	%
Bromide	≤	0.1	%
Clarity & color of solution		Conforms	
Sodium		Conforms	
Calcium & Magnesium		Conforms	
Loss on drying	≤	1.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.1370.

Technical Information

Formula:	ClK
Chemical formula:	KCl
Density:	1.98 g/cm ³ (20 °C)
Molar mass:	74.55 g/mol
Bulk density:	~ 1000 kg/m ³
CAS number:	7447-40-7
HS code:	31042090
EC number:	231-211-8
Storage (temperature):	Without limitations.
SDS	available
RTECS:	TS8050000
Odour:	odourless
Form:	solid
Color:	white
PH value:	5.5 - 8.0 (50 g/l 25 °C)
Solubility in water:	347 g/l (20 °C)
Solubility in ethanol:	(20 °C) almost insoluble
Boiling point:	1413 °C (1013 hPa)
Melting point:	773 °C
Vapour pressure:	low



Potassium dichromate

Extra Pure

K₂Cr₂O₇

M= 294.19 g/mol

Specification

Assay	≥	99.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Sulfate	≤	0.005	%
Chloride	≤	0.001	%
Clarity & color of solution		Conforms	
Loss on drying	≤	0.5	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.1380.

Technical Information

Formula:	Cr ₂ K ₂ O ₇
Chemical formula:	K ₂ Cr ₂ O ₇
Density:	2.69 g/cm ³ (20°C)
Molar mass:	294.19 g/mol
Bulk density:	1250 kg/m ³
CAS number:	7778-50-9
EC index number:	024-002-00-6
HS code:	28415000
EC number:	231-906-6
Storage (temperature):	Without limitations.
SDS	available
R phrase:	R 45-46-60-61-8-E...
S phrase:	S 53-45-60-61
Odour:	odourless
Form:	solid
Color:	orange
PH value:	3.57 (100 g/l)
Solubility in water:	130 g/l (20 °C)
Boiling point:	> 500 °C
Melting point:	398 °C
Thermal decomposition:	~ 500 °C



Potassium dihydrogen phosphate

(Monobasic Potassium phosphate)

Extra Pure

KH₂PO₄

M= 136.08 g/mol

Specification

Assay		98.0 – 100.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	%
Heavy metals	≤	0.002	
pH (1/100)	~	4.5	%
Insoluble substances	≤	0.2	%
Loss on drying	≤	1.0	

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.1620.

Technical Information

Formula (Hill):	H ₂ KO ₄ P
Density:	KH ₂ PO ₄
Molar mass:	2.34 g/cm ³ (20oC)
Bulk density:	136.09 g/mol
CAS number:	~1200 kg/m ³
HS code:	7778-77-0
EC number:	28352400
Storage (temperature):	231-913-4
SDS	Without limitations.
RTECS:	available
Odour:	TC6615500
Form:	Odourless
Color:	Solid
PH value:	Colourless
Solubility in water:	~4.4 (50 g/l 20oC)
Solubility in ethanol:	222 g/l (20oC)
Melting point:	(20oC) insoluble
Thermal decomposition:	~ 253 oC (decomposition)

Potassium hexacyanoferrate(II) trihydrate
(Potassium ferrocyanide)

Extra Pure

C₆FeK₄N₆ * 3H₂O

M = 422.39 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Heavy metals	≤	0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3440.

Technical Information

Chemical formula	C ₆ FeK ₄ N ₆ *3H ₂ O
Molar mass	422.39 g/mol
Bulk density	~950 - 1050 kg/m ³
CAS number	14459-95-1
HS Code	28372000
EC number	237-722-2
Storage	Without limitation
SDS	available
R phrase	R 52/53
S phrase	S 50.1-61
Odour	odourless
Form	solid
Color	light yellow
p H	~9.5 (100g/l 20 °C)
Solubility in water	289 g/l (20°C)
Melting point	70 °C
Thermal decomposition	70 °C



Potassium hexacyanoferrate(III)
(Potassium ferricyanide)

Extra Pure

K₃[Fe(CN)₆]

M = 329.26 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Chloride	≤	0.15	%
Sulfate	≤	0.01	%
Hexacyanoferrate	≤	0.1	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3430.

Technical Information

Chemical formula	K ₃ [Fe(CN) ₆]
Density	1.852.1 g/cm ³ (20°C)
Molar mass	329.26 g/mol
Bulk density	~900 - 1000 kg/m ³
CAS number	13746-66-2
HS Code	28372000
EC number	237-323-3
Storage	Without limitation
SDS	available
RTECS	LJ8225000
Odour	odourless
Form	solid
Color	darck red
p H	~6 (50g/l 20 °C)
Solubility in water	464 g/l (25°C)
Thermal decomposition	300 °C





Potassium hydrogen phthalate (KHP)

Extra Pure

C₈H₅KO₄

M = 204.22 g/mol

Specification

Assay	≥	99.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Water insoluble matter		Conforms	
Chloride	≤	0.002	%
Sulphate	≤	0.005	%
Heavy methals	≤	0.0005	%
Loss on drying	≤	0.2	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2760.

Technical Information

Formula	C ₈ H ₅ KO ₄
Chemical formula	C ₈ H ₅ KO ₄
Density	1.636g/cm ³
Molar mass	204.22 g/mol
Bulk density	~ 900 kg/m ³
CAS number	877-24-7
HS Code	29173980
EC number	212-889-4
Storage	storage 15 to 25 °C
SDS	available
RTECS	CZ4326000
Odour	odourless
Form	solid
Color	colourless
p H value	~ 4.0 (50g/l 20°C)
Solubility in water	80 g/l (20°C)
Solubility in ethanol	sparingly (20°C)
Melting point	295 - 300 °C
Thermal decomposition	~ 297 °C

Potassium nitrate

Extra Pure

KNO₃

M=101.11 g/mol

Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Clarity of solution		Conforms	
p H		5.0 - 7.5	
Chloride	≤	0.03	%
Nitrite	≤	0.0005	%
Heavy metals	≤	0.002	%
Sulfate	≤	0.1	%
Iron	≤	0.001	%
Sodium	≤	0.1	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2710.

Technical Information

Formula	KNO ₃
Chemical formula	KNO ₃
Density	2.11 g/cm ³ (20°C)
Molar mass	101.11 g/mol
Bulk density	800 kg/m ³
CAS number	7757-79-1
HS Code	28342100
EC number	231-818-8
Storage	Without limitation
SDS	available
R phrase	R 8
S phrase	S 16-41
Odour	odourless
Form	Ssolid
Color	colourless
p H	5.0- 7.5 (50g/l 20°C)
Solubility in water	320 g/l (20°C)
Melting point	334 °C (decomposition)
Thermal decomposition	>400 °C



Potassium permanganate

Extra Pure

KMnO₄

M=158.04 g/mol

Specification

Assay	99.0 - 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Insoluble substances	≤ 0.2	%
Loss on drying	≤ 0.5	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.2000.

Technical Information

Formula	KMnO ₄
Density	2.7 g/cm ³
Molar mass	158.04 g/mol
CAS number	7722-64-7
HS code	28416100
EC number	231-760-3
Storage (temperature)	Without limitation
SDS	Available
R phrase	R 8-22-50/53
S phrase	S 60-61

Potassium sodium tartrate tetrahydrate (Rochelle salt)

Extra Pure

C₄H₄KNaO₆*4 H₂O

M = 282.23 g/mol

Specification

Assay	99.0 - 102.0	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Insoluble matter	Conforms	
p H	7.0 - 8.5	
Chloride	≤ 0.0005	%
Phosphate	≤ 0.001	%
Sulphate	≤ 0.005	%
Calcium	≤ 0.004	%
Heavy metals	≤ 0.0005	%
Ammonium	≤ 0.002	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.2510.

Technical Information

Formula	C ₄ H ₄ KNaO ₆ *4 H ₂ O
Chemical formula	C ₄ H ₄ KNaO ₆ *4 H ₂ O
Molar mass	282.23 g/mol
Bulk density	~ 1000 kg/m ³
CAS number	6381-59-5
HS Code	29181300
EC number	205-698-2
Storage	Without limitation
SDS	available
Odour	odourless
Form	solid
Color	colourless to white
p H	6.5 - 8.5 (50g/l 20 °C)
Solubility in water	630 g/l (20°C)
Melting point	70 - 80 °C
Thermal decomposition	>220 °C



Potassium sulfate

Extra Pure

K₂SO₄

M=174.27 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Identification		Conforms	
pH		5.5 - 7.5	
Chloride	≤	0.028	%
Sodium		Conforms	
Heavy metals	≤	0.001	%
Loss on drying	≤	1.0	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3090.

Technical Information

Formula	K ₂ O ₄ S
Chemical formula	K ₂ SO ₄
Density	2.66 g/cm ³ (20°C)
Molar mass	174.27 g/mol
Bulk density	~1400 kg/m ³
CAS number	7778_80-5
HS Code	31043000
EC number	231-915-5
Storage	Without limitation
SDS	available
RTECS	TT5900000
Odour	odourless
Form	solid
Color	colourless
pH	5.5 - 7.5 (50g/l 20°C)
Solubility in water	111g/l (20°C)
Solubility in ethanol	insoluble
Boiling point	1689 °C
Melting point	1069 °C



Potassium thiocyanate

Extra Pure

KSCN

M= 97.18 g/mol

Specification

Assay	≥	98.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
pH		5.3 - 8.5	
Chloride	≤	0.01	%
Sulphate	≤	0.05	%
Heavy metals	≤	0.001	%
Iron	≤	0.0005	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	
10	gr		500	gr		5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2390.

Technical Information

Formula:	CKNS
Chemical formula:	KSCN
Density:	1.89 g/cm ³ (20 °C)
Molar mass:	97.18 g/mol
Bulk density:	~750 - 1000 kg/m ³
CAS number:	333 - 20 - 0
EC indx number:	615-004-00-3
HS code:	28380000
EC number:	206 - 370 -1
Storage (temperature):	Without limitations.
SDS	available
R phrase:	R 20/21/22-32-52/53
S phrase:	S 13-61
Odour:	odourless
Form:	solid
Color:	colourless
pH value:	5.3 - 8.5 (50 g/l 25 °C)
Solubility in water:	208 g/l (20 °C)
Melting point:	175 °C
Thermal decomposition:	500 °C



Propylparaben

Extra Pure, Laboratory USP Reagent

C₁₀H₁₂O₃

M = 180.20 g/mol

Specification

Assay	98.0 - 102.0	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Color of solution	Conforms	
Melting range	69.0 - 99.0	°C
Acidity	≤ 0.1	ml
Residue on ignition	≤ 0.1	%
Related substances	Conforms	
Heavy metals	≤ 0.001	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2680.

Technical Information

Formula	C ₁₀ H ₁₂ O ₃
Chemical formula	C ₁₀ H ₁₂ O ₃
Density	1.063g/cm ³
Molar mass	180.20 g/mol
Bulk density	~ 350 kg/m ³
CAS number	94-13-3
HS Code	29182930
EC number	202-307-7
Storage	storage 15 to 25 °C
SDS	available
RTECS	DH2800000
Odour	almost odourless
Form	solid
Color	white
Explosion limit	16 g/m ³
Solubility in water	~ 0.4 g/l (20°C)
Solubility in ethanol	freely soluble
Flash point	180 °C
Melting point	95 - 98 °C
Vapour pressure	0.67 hpa (122 °C)

Sodium benzoate

Extra Pure, Laboratory USP Reagent

C₆H₅COONa

M = 144.10 g/mole

Specification

Assay	99.0 - 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.001	%
Alkalinity	Conforms	
Water	≤ 1.5	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr	●	1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.1630.

Technical Information

Formula (Hill):	C ₇ H ₅ NaO ₂
Chemical formula:	C ₆ H ₅ COONa
Density:	1.44g/cm ³
Molar mass:	144.11g/mol
Bulk density:	~ 350 kg/m ³
CAS number:	532-32-1
HS code:	29163100
EC number:	208-534-8
Storage (temperature):	Store at +5 °C to +30 °C
SDS:	available
RTECS:	DH6650000
Odour:	Odourless
Form:	Solid
Color:	White
Ignition temperature:	>500 °C
pH value:	~ 9 (100g/l 20 °C)
Solubility in water:	660 g /l (20 °C)
Flash Point:	>100 °C
Melting point:	410 - 430 °C





Sodium chloride

Extra Pure

NaCl

M = 58.44 g/mol

Specification

Assay	≥	99.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Appearance of solution		Conforms	
Chloride		Conforms	
Ferro cyanides		Conforms	
Magnesium & alkaline earth metals	≤	0.01	%
Acidity or Alkalinity	≤	0.5	ml
Limit of Phosphates	≤	0.0025	%
Loss on drying	≤	0.5	%
Heavy metals	≤	5.0	ppm

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	●
25	gr		800	gr		10	kg	●

Product Code: 1.1470.

Technical Information

Formula:	ClNa
Chemical formula:	NaCl
Density:	2.17 g/cm ³ (20 °C)
Molar mass:	58.44 g/mol
Bulk density:	~ 1140 kg/m ³
CAS number:	7647-14-5
HS code:	25010091
EC number:	231-598-3
Storage (temperature):	Without limitations.
SDS	available
RTECS:	VZ4725000
Odour:	odourless
Form:	solid
Color:	colourless
PH value:	4.5 – 7.0 (100 g/l 20 °C)
Solubility in water:	358 g/l (20°C)
Solubility in ethanol:	0.51 g/l (25°C)
Boiling point:	1461 °C (1013 hPa)
Melting point:	801 °C
Vapour pressure:	1.3 hPa (865 °C)

Sodium dihydrogen phosphate anhydrous (Monobasic Sodium Phosphate, anhydrous)

Extra Pure

NaH₂PO₄

M = 119.98 g/mol

Specification

Assay		98.0 - 103.0	%
Solubility		Conforms	
Description		Conforms	
Identification		Conforms	
pH		4.1 - 4.5	
Water	≤	2.0	%
Insoluble substances	≤	0.2	%
Chloride	≤	0.014	%
Sulphate	≤	0.15	%
Al , Ca and Related elements		Conforms	
Heavy metals	≤	0.002	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2370.

Technical Information

Formula	H ₂ NaO ₄ P
Chemical formula	NaH ₂ PO ₄
Molar mass	119.98 g/mol
Bulk density	~940 kg/m ³
CAS number	7558 - 80 - 7
HS Code	28352200
EC number	231-449-2
Storage	Without limitation
SDS	available
Odour	Odourless
Form	crystals
Color	Colourless
pH value	4.5 (10 g/l 25°C)
Solubility	850 g/l (20°C)
Thermal decomposition	>170°C

Sodium hydrogen carbonate (Sodium Bicarbonate)

Extra Pure, Laboratory USP Reagent

NaHCO₃

M= 84.01 g/mol

Specification

Assay		99.0 – 100.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Heavy metals	≤	5.0	ppm
Insoluble substances		Conforms	
Loss on drying	≤	0.25	%
Chloride	≤	0.015	%
Limit of ammonia		Conforms	

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	●

Product Code: 1.2010.

Technical Information

Formula	NaHCO ₃
Density	2.22 g/cm ³
Molar mass	84.01 g/mol
CAS number	144-55-8
HS code	2836000
EC number	205-633-8
Storage (temperature)	Without limitation
SDS	Available
RTECS	VZ0950000

Sodium metabisulfite (Sodium disulfite)

Extra Pure

Na₂S₂O₅

M= 190.11 g/mol

Specification

Assay		98.0 – 100.5	%
Purity SO ₂		65.0 - 67.4	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Heavy metals	≤	20.0	ppm
Iron	≤	20.0	ppm
Loss on drying	≤	0.25	%
Chloride	≤	0.05	%
Limit of thiosulfate	≤	0.05	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2030.

Technical Information

Formula	Na ₂ S ₂ O ₅
Density	1.48 g/cm ³
Molar mass	190.11 g/mol
CAS number	7681-57-4
HS code	28321000
EC number	231-673-0
Storage (temperature)	Without limitation
SDS	Available
RTECS	UX8225000
R phrase	R 22-31-41
S phrase	S 26-39-46





Sodium methoxide

(sodium methylate)

Extra Pure

CH₃ONa

M = 54.02 g/mol

Specification

Total alkaline	≥	99.0	%
Identification		Conforms	
Solubility		Conforms	
Description		Conforms	
Sodium hydroxide	≤	2.0	%
Sodium carbonate	≤	0.5	%
Clarity of solution		Conforms	
Heavy metals	≤	25.0	µg/g
Assay	≥	97.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	●

Product Code: 1.2040.

Technical Information

Formula	CH ₃ ONa
Density	1.3 g/cm ³
Molar mass	54.02 g/mol
CAS number	124-41-4
HS code	29051900
EC number	204-699-5
Storage (temperature)	Store at +2 °C to +8 °C
SDS	Available
RTECS	PC3570000
R phrase	R 11-14-34
S phrase	S 8-16-26-43.6-45



Sodium nitrate

Extra Pure

NaNO₃

M = 84.99 g/mol

Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Clarity of solution		Conforms	
p H		5.5 - 8.3	
Total chlorine	≤	0.2	%
Nitrite	≤	0.002	%
Heavy metals	≤	0.0005	%
Loss on drying	≤	2.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	●
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	

Product Code: 1.2520.

Technical Information

Formula	NaNO ₃
Chemical formula	NaNO ₃
Density	2.26 g/cm ³ (20°C)
Molar mass	84.99 g/mol
Bulk density	1200 kg/m ³
CAS number	7631-99-4
HS Code	31025090
EC number	231-554-3
Storage	Without limitation
SDS	available
RTECS	WC5600000
R phrase	R 8-22-36
S phrase	S 22-24-41
Odour	odourless
Form	Ssolid
Color	colourless
p H	5.5 - 8.0 (50g/l 20°C)
Solubility in water	874 g/l (20°C)
Solubility in ethanol	8 g/l (20°C)
Melting point	308 °C (decomposition)
Thermal decomposition	>380 °C



Sodium nitrite

Extra Pure

NaNO₂

M = 69.0 g/mol

Specification

Assay	97.0 - 100.5	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Clarity of solution	Conforms	
Acidity & alkalinity	Conforms	
Chloride	≤ 0.005	%
Sulphate	≤ 0.005	%
Heavy metals	≤ 0.002	%
Calcium	≤ 0.005	%
Loss on drying	≤ 0.25	%

Glass Bottles	
5 gr	
10 gr	
25 gr	

Plastic Container	
100 gr	●
500 gr	●
800 gr	

Plastic Container	
1 kg	●
5 kg	
10 kg	

Product Code: 1.2530.

Technical Information

Formula	NaNO ₂
Chemical formula	NaNO ₂
Density	2.1 g/cm ³ (20°C)
Molar mass	69.0 g/mol
Bulk density	1200 kg/m ³
EC index number	007-010-00-4
CAS number	7632-00-0
HS Code	28341000
EC number	231-555-9
Storage	Without limitation
SDS	available
R phrase	R 8-25-50
S phrase	S 45-61
Odour	odourless
Form	powder
Color	white
pH	9 (100g/l 20 °C)
Solubility in water	820 g/l (20°C)
Solubility in ethanol	30 g/l (20°C)
Boiling point	320 °C (decomposition)
Melting point	280 °C (decomposition)
Thermal decomposition	>320 °C



Sodium phosphinate monohydrate (sodium hypophosphite monohydrate)

Extra Pure,JP Laboratory Reagent

NaH₂PO₂*H₂O

M=105.99 g/mol

Specification

Assay	97.0 - 103.0	%
Description	Conforms	
Identification	Conforms	
Appearance of solution	Conforms	
Acidic substances	Conforms	
Chloride	≤ 0.02	%
Phosphate/Phosphite	Conforms	
Heavy metals	≤ 0.0005	%
Calcium	≤ 0.02	%
Iron	≤ 0.0005	%

Glass Bottles	
5 gr	
10 gr	
25 gr	

Plastic Container	
100 gr	
500 gr	●
800 gr	

Plastic Container	
1 kg	●
5 kg	
10 kg	

Product Code: 1.3040.

Technical Information

Formula	H ₂ NaO ₂ P*H ₂ O
Chemical formula	NaH ₂ PO ₂ *H ₂ O
Density	1.18 g/cm ³ (20°C)
Molar mass	105.99 g/mol
Bulk density	~ 1000 kg/m ³
CAS number	10039-56-2
HS Code	28351000
EC number	231-669-9
Storage	Without limitation
SDS	available
RTECS	SZ5640000
Odour	odourless
Form	crystal
Color	white
pH	6.0 - 8.0(10g/l)
Solubility in water	1100g/l (20°C)
Solubility in ethanol	soluble(20°C)
Vapour pressure	30 hPa (20 °C)
Thermal decomposition	>248 °C





Sodium thiosulfate pantahydrate

Extra Pure

Na₂S₂O₃·5H₂O

M= 248.19 g/mol

Specification

Assay		99.0 – 100.5	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Heavy metals	≤	0.002	%
Calcium		Conforms	
Water		32.0 – 37.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.1610.

Technical Information

Formula (Hill):	Na ₂ O ₃ S ₂ ·5 H ₂ O
Density:	1.74 g/cm ³ (20 °C)
Molar mass:	248.21 g/mol
Bulk density:	~ 1000 kg/m ³
CAS number:	10102-17-7
HS code:	28323000
EC number:	231-867-5
Storage (temperature):	Without limitations.
SDS	Available
RTECS:	WE6660000
Odour:	Odourless
Form:	Solid
Color:	Colourless
PH value:	6.0 – 7.5 (100 g/l 20 °C)
Solubility in water:	701 g/l (20 °C)
Solubility in ethanol:	Insoluble
Melting point:	48 °C
Thermal decomposition:	100 °C

Sodium sulfite anhydrous

Extra Pure

Na₂SO₃

M=126.04 g/mol

Specification

Assay		95.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Color & clarity of solution		Conforms	
Heavy metals	≤	10	ppm
Limit of iron	≤	10	ppm
Limit of selenium	≤	10	ppm
Limit of thiosulfates	≤	0.1	%
Limit of zinc	≤	25	ppm
SO ₂	≤	48	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.3070.

Technical Information

Formula	Na ₂ O ₃ S
Chemical formula	Na ₂ SO ₃
Density	2.63 g/cm ³ (20°C)
Molar mass	126.04 g/mol
Bulk density	~ 1480 kg/m ³
CAS number	7757-83-7
HS Code	28321000
EC number	231-821-4
Storage	Without limitation
SDS	available
Odour	oderless
Form	powder
Color	white
p H	8.8 - 1.0(50g/l 20 °C)
Solubility in water	220g/l (20°C)
Solubility in ethanol	almost insoluble
Boiling point	decomposition
Melting point	>500 °C
Thermal decomposition	>500 °C

Stearyl alcohol (1-Octadecanol)

Extra Pure

C18H38O

M = 270.50 g/mol

Specification

Assay	≥	90.0	
Description		Conforms	%
Identification		Conforms	
Solubility		Conforms	
Acid value	≤	2.0	
Melting point		55.0 - 60.0	°C
Hydroxyl value		195 - 220	
Iodine value	≤	2.0	

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.2920.

Technical Information

Formula	C18H38O
Chemical formula	C18H38O
Density	0.82 g/cm ³ (20°C)
Molar mass	270.50 g/mol
Density	300 k/m3
CAS number	112-92-5
HS Code	29051700
Storage	Store at 15 to 25 °C
SDS	available
RTECS	RG2010000
Odour	Weak
Form	scales
Color	White
Ignition temperature	230°C
Solubility in water	almost soluble (20 °C)
Solubility in ethanol	soluble (20 °C)
Flash point	~195 °C
Boiling point	330 - 360 °C
Melting point	55.0 - 60.0 °C
Vapour pressure	~1.0 hPa

Sulfuric acid 95 - 98%

Extra Pure

H2SO4

M= 98.08 g/mol

1lit= 1.84 g/cm³

Specification

Assay	≥	95.0	%
Description		Conforms	
Solubility		Conforms	
Identification		Conforms	
Chloride	≤	0.005	%
Heavy metals	≤	5.0	ppm
Residue on ignition	≤	0.005	%
Reducing Substances		Conforms	

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

Product Code: 1.1560.

Technical Information

Formula:	H2O4S
Chemical formula:	H2SO4
Density:	1.84 g/cm ³ (20 °C)
Molar mass:	98.08 g/mol
CAS number:	7664-93-9
EC index number:	016-020-00-8
HS code:	28070010
EC number:	231-639-5
Storage (temperature):	Without limitations.
SDS	available
RTECS:	WS5600000
R phrase:	R 35
S phrase:	S 26-30-45
Odour:	odourless
Form:	liquid
Color:	colourless
PH value:	0.3 (49 g/l 25 °C)
Solubility in water:	(20°C) soluble,
Solubility in ethanol:	soluble,
Boiling point:	~ 335 °C
Melting point:	~ 3 °C
Vapour pressure:	~ 0.0001 hpa (20 °C)
Thermal decomposition:	~ 338 °C
Viscosity dynamical:	~ 24 mPa*s (20 °C)





Sulfuric acid Gerber

Extra Pure, Laboratory

H₂SO₄

M = 98.08 g/mol

1lit = 1.82 g/cm³

Specification

Assay	90.0 - 91.0	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Specific gravity	1.815 - 1.821	g/cm ³
Nitrate	≤ 0.0002	%
Heavy metals	≤ 5.0	ppm
Residue on ignition	≤ 0.005	%
Reducing Substances	Conforms	

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter	●	10	Liter	
						20	Liter	

Product Code: 1.2080.

Technical Information

Formula:	H ₂ O ₄ S
Chemical formula:	H ₂ SO ₄
Density:	1.82 g/cm ³ (20 °C)
Molar mass:	98.08 g/mol
CAS number:	7664-93-9
EC index number:	016-020-00-8
HS code:	28070010
EC number:	231-639-5
Storage (temperature):	Without limitations.
SDS	available
RTECS:	WS5600000
R phrase:	R 35
S phrase:	S 26-30-45
Odour:	odourless
Form:	liquid
Color:	colourless
PH value:	0.3 (49 g/l 25 °C)
Solubility in water:	(20°C) soluble,
Solubility in ethanol:	soluble,
Boiling point:	~ 335 °C
Melting point:	~ 3 °C
Vapour pressure:	~ 0.0001 hpa (20 °C)
Thermal decomposition:	~ 338 °C
Viscosity dynamical:	~ 24 mPa*s (20 °C)



Triethanolamine

Extra Pure

N(CH₂CH₂OH)₃

M = 149.19 g/mol

1lit = 1.12 g/cm³

Specification

Assay	99.0 - 107.4	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Appearance	Conforms	
Refractive index	1.481 - 1.485	
Density	1.120 - 1.128	g/cm ³
Sulfated ash	≤ 0.05	%
Water	≤ 0.5	%

Glass Bottles			Plastic Bottles			Plastic Gallon		
1	Liter	●	1	Liter		5	Liter	
2.5	Liter	●	2.5	Liter		10	Liter	
						20	Liter	

Product Code: 1.2660.

Technical Information

Formula	C ₆ H ₁₅ NO ₃
Chemical formula	N(CH ₂ CH ₂ OH) ₃
Density	1.12 g/cm ³ (20 °C)
Molar mass	149.19 g/mol
CAS number	102-71-6
HS Code	29221310
EC number	203-049-8
Storage	Store at 15 to 25 °C
SDS	available
RTECS	KL9275000
Odour	amine-like
Form	liquid
Color	colourless to yellow
Explosion temperature	3.6 - 7.2 Vol %
Ignition temprature	325 °C
p H value	10.5 (15 g/l 20 °C)
Solubility in water	freely soluble (20 °C)
Solubility in ethanol	freely soluble
Flash point	190 °C
Boiling point	360 °C
Melting point	21 °C
Vapour pressure	0.01 hpa (20 °C)
Viscosity dynamical	600 mPa*s (25 °C)



tri -Sodium phosphate dodecahydrate
(tribasic sodium phosphate dodecahydrate)

Extra Pure

Na₃O₄P*12H₂O
M=380.18 g/mol

Specification

Assay	98.0 - 102.0	%
Description	Conforms	
Identification	Conforms	
Solubility	Conforms	
Excess alkali	≤ 2.5	%
Insoluble matter	≤ 0.02	%
Chloride	≤ 0.0005	%
Loss on ignition	45.0 - 57.0	%
Sulphate	≤ 0.005	%
Heavy metals	≤ 0.001	%
Iron	≤ 0.001	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.3110.

Technical Information

Formula	Na ₃ O ₄ P*12H ₂ O
Chemical formula	Na ₃ O ₄ P*12H ₂ O
Density	1.62 g/cm ³ (20°C)
Molar mass	380.18 g/mol
Bulk density	~620 kg/m ³
CAS number	10101-89-0
HS Code	28352300
EC number	231-509-8
Storage	Without limitation
SDS	available
RTECS	TC9575000
R phrase	R 36/38
Odour	odourless
Form	crystals
Color	colourless to white
p H	~12 (10g/l 20 °C)
Solubility in water	285 g/l (20°C)
Solubility in ethanol	insoluble
Melting point	~75 °C

Urea

Extra Pure, Laboratory USP Reagent

CH₄N₂O
M= 60.06 g/mol

Specification

Assay	99.0 – 100.5	%
Description	Conforms	
Solubility	Conforms	
Identification	Conforms	
Heavy metals	≤ 0.002	%
Alcohol – insoluble matter	≤ 0.04	%
Sulfate	≤ 0.01	%
Chloride	≤ 0.007	%
Residue on ignition	≤ 0.1	%
Melting range	132 -135	°C
Loss on drying	≤ 2.0	%

Glass Bottles		
5	gr	
10	gr	
25	gr	

Plastic Container		
100	gr	
500	gr	●
800	gr	

Plastic Container		
1	kg	●
5	kg	
10	kg	



Product Code: 1.2110.

Technical Information

Formula	CH ₄ N ₂ O
Density	1.34 g/cm ³
Molar mass	60.06 g/mol
CAS number	57-13-6
HS code	31021010
EC number	200-315-5
Storage (temperature)	at +15 °C to 30 °C
SDS	Available
RTECS	YR6250000



Zink oxide

Extra Pure, Laboratory USP Reagent

ZnO

M=81.37 g/mol

Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Carbonate & Clarity of solution		Conforms	
Alkalinity	≤	0.3	ml
Chloride	≤	0.005	%
Sulfate	≤	0.02	%
Heavy metals		Conforms	
Lead		Conforms	
Iron		Conforms	
Loss on ignition	≤	1.0	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3240.

Technical Information

Formula	Ozn
Chemical formula	ZnO
Density	5.61 g/cm ³ (20°C)
Molar mass	81.37 g/mol
Bulk density	~200 -700 kg/m ³
CAS number	1314-13-2
HS Code	030-013-00-7
EC number	28170000
Storage	Without limitation
SDS	available
RTECS	ZH4810000
R phrase	R 50/53
S phrase	S 60-61
Odour	odourless
Form	Solid
Color	white
p H	~ 7.0 (50g/l 20 °C) slurry
Solubility in water	0.0016 g/l (29°C)
Solubility in ethanol	insoluble
Melting point	1975 °C (decomposition)



Zink sulfate monohydrate

Extra Pure, Laboratory USP Reagent

ZnSO₄*H₂O

M=179.45 g/mol

Specification

Assay		99.0 - 100.5	%
Description		Conforms	
Identification		Conforms	
Solubility		Conforms	
Acidity		Conforms	
Alkalies & alkaline earths	≤	0.9	%
Heavy metals	≤	0.002	%
Chloride	≤	0.005	%
Loss on drying	≤	1.0	%

Glass Bottles			Plastic Container			Plastic Container		
5	gr		100	gr		1	kg	●
10	gr		500	gr	●	5	kg	
25	gr		800	gr		10	kg	

Product Code: 1.3180.

Technical Information

Formula	O4SZn
Chemical formula	ZnSO ₄ *H ₂ O
Density	3.2 g/cm ³ (20°C)
Molar mass	179.45 g/mol
Bulk density	~500 kg/m ³
CAS number	7446-19-7
HS Code	28332600
EC number	231-793-3
Storage	Without limitation
SDS	available
R phrase	R 22-41-50/53
S phrase	S 22-26-39-46-60-61
Odour	odourless
Form	Solid
Color	white
p H	4.0 - 5.2 (50g/l 20 °C)
Solubility in water	350 g/l (20°C)
Solubility in ethanol	almost insoluble
Thermal decomposition	~ 600 °C

