

Фармацевтика

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

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Санкт-Петербург (812)309-46-40
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Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
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Ульяновск (8422)24-23-59
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Чита (3022)38-34-83
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эл.почта: pcc@nt-rt.ru || сайт: <https://panreac.nt-rt.ru/>

2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade

Hexylene glycol

Assay (G.C.): 98.0 - 102.0 %

CODE 141348

CAS 107-41-5

MOLECULAR FORMULA $C_6H_{14}O_2$

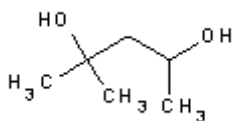
MOLAR MASS 118.18 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 141348.0716 PACKAGING SIZE 25 l



① Technical data

MELTING POINT: -50 °C

BOILING POINT: 196 °C

DENSITY: 0.920 kg/l

REFRACTIVE INDEX:	20/D 1.427
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	141348
PRODUCT NAME:	2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (G.C.): 98.0 - 102.0 % Identity according to Pharmacopoeias:: passes test Density 25/25: 0.917-0.923 Refractive Index n 25/D: 1.424-1.430 Maximum limit of impurities Acidity (as CH₃COOH): 0.013% Residual solvents (Ph.Eur/USP): passes test Organic impurities (G.C.): Acetone: 0.1 % 2-Propanol: 0.1 % Diacetone Alcohol: 0.1 % 4-Methyl-2-Pentanone: 0.1 % 4-Methyl-2-Pentanol: 0.1 % Any other unspecified impurity: 0.1 % Total: 1.0 % Water (H₂O): 0.5 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07

H PHRASES:	H319 H315
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362

MASTER NAME:	2-Methyl-2,4-Pentanediol
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SYNONYMS LONG TEXT:	Hexylene glycol
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EINECS:	203-489-0
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CS:	2905 39 95 90
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INDEX NR.:	603-053-00-3
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1-Methyl-2-Pyrrolidone (BP, Ph. Eur., USP-NF) pure, pharma grade

N-Methylpyrrolidone, NMP

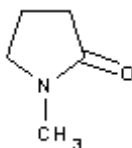
Minimum assay (G.C.): 99.5%

CODE	143080
CAS	872-50-4
MOLECULAR FORMULA	C ₅ H ₉ NO
MOLAR MASS	99.13 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
143080.0719	200 l



① Technical data

MELTING POINT:	-23 °C
BOILING POINT:	202 °C
DENSITY:	1.033 kg/l

REFRACTIVE INDEX: 20/D 1.4684

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 143080

PRODUCT NAME: 1-Methyl-2-Pyrrolidone (BP, Ph. Eur., USP-NF) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance: passes test

Alkalinity: passes test

Related substances:

Residual solvents (Ph.Eur.): passes test

Any impurity: 0.1 %

Total impurities: 0.3 %

Water (H₂O): 0.1 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS08
GHS06

H PHRASES: H360D
H319
H335
H315
H331

P PHRASES:	P201
	P202
	P261
	P264
	P271
	P280
	P281
	P302+P352
	P304+P340
	P305+P351+P338
	P308+P313
	P312
	P321
	P332+P313
	P337+P313
	P362
	P403+P233
	P405
	P501

MASTER NAME:	1-Methyl-2-Pyrrolidone
SYNONYMS LONG TEXT:	N-Methylpyrrolidone, NMP
EINECS:	212-828-1
CS:	2933 79 00 90
INDEX NR.:	606-021-00-7

1-Butanol (USP-NF) pure, pharma grade

Butyl Alcohol

Assay (G.C.): 99.5%

CODE 141082

CAS 71-36-3

MOLECULAR FORMULA $\text{CH}_3(\text{CH}_2)_3\text{OH}$

MOLAR MASS 74.12 g/mol

Packs sizes (1)

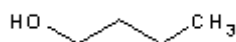


CODE

PACKAGING SIZE

CODE
141082.0716

PACKAGING SIZE
25 l



① Technical data

MELTING POINT: -90 °C

BOILING POINT: 118 °C

DENSITY: 0.810 kg/l

SOLUBILITY: water 77 g/l at 20 °C

REFRACTIVE INDEX: 20/D 1.3993

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	141082
PRODUCT NAME:	1-Butanol (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (G.C.): 99.5% Identity: IR passes test

Maximum limit of impurities

Acidity: 0.0008 meq/g
 Alkalinity: 0.001 meq/g
 Non-volatile matter: 0.004 %
 Residual solvents (Ph.Eur/USP): passes test
 Acetone (G.C.): 0.02%
 Butanal (G.C.): 0.03%
 di n-Butyl ether (G.C.): 0.2%
 2-Butanol (G.C.): 0.1 %
 2-Methyl-1-Propanol (G.C.): 0.1 %
 Water (H2O): 0.1 %

HAZARD PICTOGRAMS



UN:	1120
CLASS/PG:	3/III
ADR:	3/III
IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02

	GHS07
	GHS05
H PHRASES:	H226
	H302
	H315
	H318
	H336
	H335
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P243
	P261
	P264
	P270
	P271
	P280
	P301+P312
	P302+P352
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P310
	P312
	P321
	P330
	P332+P313
	P362
	P370+P378
	P403+P233
	P403+P235

MASTER NAME:	1-Butanol
SYNONYMS LONG TEXT:	Butyl Alcohol
EINECS:	200-751-6
CS:	2905 13 00 00
INDEX NR.:	603-004-00-6

1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade

1,2-Propileneglycol

Minimum assay (G.C.): 99.5%

CODE 141545

CAS 57-55-6

MOLECULAR FORMULA $C_3H_8O_2$

MOLAR MASS 76.10 g/mol

Packs sizes (4)



CODE
141545.1211

PACKAGING SIZE
1000 ml



CODE
141545.1214

PACKAGING SIZE
5 l



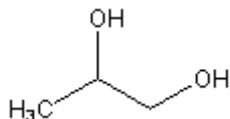
CODE
141545.0716

PACKAGING SIZE
25 l



CODE
141545.0718

PACKAGING SIZE
60 l



① Technical data

MELTING POINT: -59 °C

BOILING POINT: 189 °C

DENSITY: 1.040 kg/l

REFRACTIVE INDEX: 20/D 1.4324

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141545

PRODUCT NAME: 1,2-Propanediol (USP, BP, Ph. Eur., JP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity according to Pharmacopoeias:: passes test
Density 25/25: 1.035-1.037
Density 20/20: 1.035-1.040
Range of Distillation (min. 95%): 184-189°C
Refractive Index n 20/D: 1.431-1.433

Maximum limit of impurities

Appearance: passes test

Acidity (Ph. Eur.): passes test

Acidity (USP, JP): passes test

Reducing substances: passes test

Residue on ignition (as SO₄): 0.005 %

Chloride (Cl): 0.007%

Sulfate (SO₄): 0.002%

Oxidizing substances: passes test

Residual solvents (Ph.Eur/USP): passes test

Total impurities (G.C.): 1.0 %
Glycerol: passes test
Ethylenglycol: 0.10%
Diethyleneglycol: 0.10%
Water (H2O): 0.1 %
Heavy metals (as Pb): 0.0005 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: 1,2-Propanediol

SYNONYMS LONG TEXT: 1,2-Propileneglycol

EINECS: 200-338-0

CS: 2905 32 00 00

1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (BP, Ph. Eur.) pure, pharma grade

2,2,2-Trichloro terc-Butanol, Acetone Chloroform, Chlorbutol, Chlorobutanol

Assay (Arg.) (calc. a.a.s): 98.0-101.0%

CODE 145300

CAS 57-15-8

MOLECULAR FORMULA $C_4H_7Cl_3O \cdot 1/2 H_2O$

MOLAR MASS 186.47 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 145300.0914
PACKAGING SIZE 5 kg

Technical data

MELTING POINT: 78 °C

BOILING POINT: 167 °C

SOLUBILITY: Slightly soluble in water. Soluble in alcohol.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 145300

PRODUCT NAME: 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate
(BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

HEADLINE COMMENT: Storage between +8 and +15°C.

SPECIFICATIONS: Assay (Arg.) (calc. a.a.s): 98.0-101.0%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Acidity: passes test
Insoluble matter in C₂H₅OH 96%: passes test
Residue on ignition (as SO₄): 0.1 %
Chloride (Cl): 0.01%
Residual solvents (Ph.Eur.): passes test
Trichloromethane (G.C.): 0.006 %
Acetone (G.C.): 0.10 %
Water (H₂O): 4.5-5.5 %

HAZARD PICTOGRAMS



WGK: 3

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H302

P PHRASES: P264
P270
P301+P312
P330
P501

MASTER NAME: 1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate

SYNONYMS LONG TEXT:

2,2,2-Trichloro terc-Butanol, Acetone Chloroform,
Chlorbutol, Chlorobutanol

EINECS: 200-317-6

CS: 2905 59 98 90

Ethanol 96% v/v (USP, BP, Ph.Eur.) pure, pharma grade

Ethyl Alcohol

Assay (G.C.) (v/v): 96.0-96.6 %

CODE	141085
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (9)

	CODE	PACKAGING SIZE
	CODE 141085.1211	PACKAGING SIZE 1000 ml
	CODE 141085.1212	PACKAGING SIZE 2.5 l
	CODE 141085.1612	PACKAGING SIZE 2.5 l
	CODE 141085.1214	PACKAGING SIZE 5 l
	CODE 141085.1315	PACKAGING SIZE 10 l



CODE
141085.0716

PACKAGING SIZE
25 l



CODE
141085.0816

PACKAGING SIZE
25 l



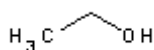
CODE
141085.3619

PACKAGING SIZE
200 l



CODE
141085.9774

PACKAGING SIZE
1000 l



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.805 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141085

PRODUCT NAME: Ethanol 96% v/v (USP, BP, Ph.Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS:

Assay (G.C.) (v/v): 96.0-96.6 %

Identity according to Pharmacopoeias:: passes test

Density 20/20: 0.8051-0.8124

Maximum limit of impurities

ABS λ 240 nm: 0.40

ABS λ 250-260 nm: 0.30

ABS λ 270-340 nm: 0.10

ABS Absorption curve, smooth: passes test

Appearance: passes test

Acidity or alkalinity: passes test

Alkalinity: 0.001 meq/g

Insoluble matter in H₂O: passes test

Non-volatile matter (w/v): 0.0025 %

Reducing substance to KMnO₄: passes test

Clarity of solution: passes test

Fusel oil: passes test

Residual solvents (Ph.Eur/USP): passes test

Acetone (G.C.): 0.005%

1-Pentanol, non-volatile subst. and carbonized subst. by H₂SO₄: passes test

2-Propanol (G.C.): 0.03%

Acetone, 2-Propanol and 2-Methyl-2-Propanol: passes test

Aldehydes (as CH₃CHO): 0.001%

Benzene (U.V.): 0.0002%

Butanone (G.C.): 0.02%

Volatile impurities (G.C.)

Methanol: 0.02%

Acetaldehyde and acetal: 0.001 %

Benzene: 0.0002 %

Total other impurities: 0.03 %

Fe: 0,00005 %

HAZARD PICTOGRAMS

UN:

1170

CLASS/PG:

	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P280 P303+P361+P353 P370+P378 P403+P235 P264 P305+P351+P338 P337+P313
MASTER NAME:	Ethanol 96% v/v
SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	22071000
INDEX NR.:	603-002-00-5

Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade

DMSO, Methylsulphoxide, Sulphinylbismethane

Minimum assay (G.C.): 99.9%

CODE 191954

CAS 67-68-5

MOLECULAR FORMULA C_2H_6OS

MOLAR MASS 78.13 g/mol

Packs sizes (5)



CODE

PACKAGING SIZE

CODE
191954.1611

PACKAGING SIZE
1000 ml



CODE
191954.1612

PACKAGING SIZE
2,5 l



CODE
191954.1214

PACKAGING SIZE
5 l



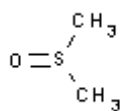
CODE
191954.0716

PACKAGING SIZE
25 l



CODE
191954.07177

PACKAGING SIZE
190 l



① Technical data

MELTING POINT: 18.4 °C

BOILING POINT: 189 °C

DENSITY: 1.103 kg/l

REFRACTIVE INDEX: 20/D 1.477

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 191954

PRODUCT NAME: Dimethyl Sulfoxide (USP, BP, Ph. Eur.) pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS: Minimum assay (G.C.): 99.9%
Identity according to Pharmacopoeias:: passes test
IR passes test
Density 25/25: 1.095-1.101
Density 20/20: 1.100-1.104
Freezing point: $\geq 18.3^{\circ}\text{C}$
Refractive Index n 20/D: 1.478-1.480
Refractive Index n 25/D: 1.4755-1.4775

Maximum limit of impurities

Acidity: passes test

Non-volatile matter: 0.01 %

Absorbance (UV):

Related substances USP (G.C.): 0.1 %

Substances darkened by KOH: passes test

Residual solvents (Ph.Eur/USP): passes test

ABS 270 - 350 nm: passes test
No maximum absorption
ABS at 275 nm: 0.20
ABS at 285 nm: 0.20
ABS at 295 nm: 0.20
Relationship A285/A275: 0.65
Relationship A295/A275: 0.45
Related substances Ph.Eur. (G.C.)
Individual: 0.10%
Total: 0.15%
Dimethyl Sulfone (G.C.): 0.03%
Water (H2O): 0.1 %

WGK: 1

STORAGE: Storage away from direct light.

MASTER NAME: Dimethyl Sulphoxide

SYNONYMS LONG TEXT: DMSO, Methylsulphoxide, Sulphinylbismethane

EINECS: 200-664-3

CS: 2930 90 98 99

4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) pure, pharma grade

2-Chloro-5-Hydroxytoluene, 4-Chloro-m-Cresol, Chlorocresol

Assay: 99.0-101.0 %

CODE 145226

CAS 59-50-7

MOLECULAR FORMULA C_7H_7ClO

MOLAR MASS 142.58 g/mol

Packs sizes (1)

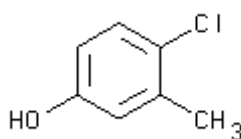


CODE

PACKAGING SIZE

CODE
145226.1211

PACKAGING SIZE
1000 g



① Technical data

MELTING POINT: 66 °C

BOILING POINT: 235 °C

SOLUBILITY: water 3.8 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	145226
PRODUCT NAME:	4-Chloro-3-Methylphenol (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay: 99.0-101.0 % Identity according to Pharmacopoeias:: passes test Melting range: 64-66°C

Maximum limit of impurities

Appearance of solution: passes test
 Acidity: passes test
 Insoluble matter in CH₃CH₂OH: passes test
 Non-volatile matter: 0.1 %
 Residual solvents (Ph.Eur/USP): passes test
 Related substances (G.C.)
 Individual: 0.10%
 Total: 1%

HAZARD PICTOGRAMS



UN:	3437
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Storage away from direct light.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS09
H PHRASES:	H314 H302 H317 H335 H400 H412
P PHRASES:	P261 P264 P270 P272 P273 P280 P301+P312 P302+P352 P305+P351+P338 P310 P312 P321 P322 P330 P333+P313 P363 P391 P501
MASTER NAME:	4-Chloro-3-Methylphenol
SYNONYMS LONG TEXT:	2-Chloro-5-Hydroxytoluene, 4-Chloro-m-Cresol, Chlorocresol
EINECS:	200-431-6
CS:	2908 19 00 90
INDEX NR.:	604-014-00-3

2-Propanol (USP-NF, BP, Ph. Eur.) pure, pharma grade

Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol

Minimum assay (G.C.): 99.5%

CODE 141090

CAS 67-63-0

MOLECULAR FORMULA $\text{CH}_3\text{CHOHCH}_3$

MOLAR MASS 60.10 g/mol

Packs sizes (7)



CODE
141090.1211

PACKAGING SIZE
1000 ml



CODE
141090.1212

PACKAGING SIZE
2.5 l



CODE
141090.1214

PACKAGING SIZE
5 l



CODE
141090.0716

PACKAGING SIZE
25 l



CODE
141090.0719

PACKAGING SIZE
200 l



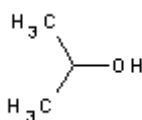
CODE
141090.3619

PACKAGING SIZE
200 l



CODE
141090.9774

PACKAGING SIZE
1000 l



Technical data

MELTING POINT: -88.5 °C

BOILING POINT: 82.5 °C

DENSITY: 0.785 kg/l

REFRACTIVE INDEX: 20/D 1.3772

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141090

PRODUCT NAME: 2-Propanol (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity according to Pharmacopoeias:: passes test
Density 25/25: 0.783-0.787
Density 20/20: 0.785-0.789
Refractive Index n 20/D: 1.376-1.378

Maximum limit of impurities

ABS λ 230 nm: 0.30 UA

ABS λ 250 nm: 0.10 UA

ABS λ 270 nm: 0.03 UA

ABS λ 290 nm: 0.02 UA

ABS λ 310 nm: 0.01 UA

Appearance: passes test

Acidity or alkalinity: passes test

Non-volatile matter: 0.002 %

Peroxides: passes test

Related substances: 0.3%

Residual solvents (Ph.Eur/USP): passes test

Benzene: 0.0002%

Ethanol (G.C.): 0.05%

Volatile impurities (G.C.):

Individual unspecified impurity: 0.1 %

Total impurities: 1.0 %

Methanol: 0.02 %

Acetone: 0.1 %

1-Propanol: 0.1 %

2-Butanol: 0.1 %

Diethyl Ether: 0.1 %

di-Isopropyl Ether: 0.1 %

Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



UN: 1219

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319
H336

P PHRASES: P243
P261
P271
P303+P361+P353
P304+P340
P305+P351+P338

MASTER NAME: 2-Propanol

SYNONYMS LONG TEXT: Dimethylcarbinol, IPA, Isopropanol, iso-Propyl
Alcohol, sec-Propyl Alcohol

EINECS: 200-661-7

CS: 2905 12 00 00

INDEX NR.: 603-117-00-0

2-Propanol (Ph. Eur, BP, USP-NF) IPEC grade

Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol

Minimum assay (G.C.): 99.0 %

CODE 631090

CAS 67-63-0

MOLECULAR FORMULA $\text{CH}_3\text{CHOHCH}_3$

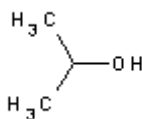
MOLAR MASS 60.10 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 631090.0716 PACKAGING SIZE 25 l



① Technical data

MELTING POINT: -88.5 °C

BOILING POINT: 82.5 °C

DENSITY: 0.785 kg/l

REFRACTIVE INDEX: 20/D 1.3772

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 631090

PRODUCT NAME: 2-Propanol (Ph. Eur, BP, USP-NF) IPEC grade

QUALITY NAME: IPEC grade

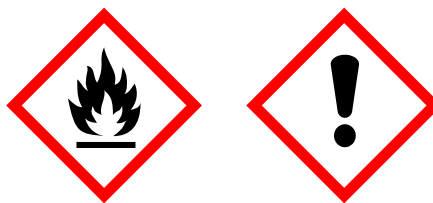
SPECIFICATIONS:

Minimum assay (G.C.): 99.0 %
Identity according to Pharmacopoeias:
USP: IR passes test
C (Ph. Eur): passes test
Methanol ≤ 0.02 %: passes test
Density 20/20: 0.785 - 0.789
Refractive Index n 20/D: 1.376 - 1.378
Specific gravity: 0.783 - 0.787

Maximum limit of impurities
ABS λ 230 nm: 0.30 UA
ABS λ 250 nm: 0.10 UA
ABS λ 270 nm: 0.03 UA
ABS λ 290 nm: 0.02 UA
ABS λ 310 nm: 0.01 UA
Appearance: passes test
Acidity USP (< 0.70 ml NaOH 0.02N): passes test
Acidity or alkalinity Ph. Eur (< 0.6 ml NaOH 0.01N): passes test
Non-volatile matter: 0.0020 %
Peroxides: passes test
Residual solvents (Ph.Eur/USP): passes test
Benzene and related substances (CG):
Benzene: 0.0002 %
Total other impurities different to 2-Butanol: 0.3 %
Volatile impurities (G.C.):
Individual unspecified impurity: 0.1 %
Total impurities: 1.0 %
Methanol: 0.02 %
Diethyl Ether: 0.1 %
Acetone: 0.1 %
di-Isopropyl Ether: 0.1 %
1-Propanol: 0.1 %
2-Butanol: 0.1 %

Water (H2O): 0.5 %

HAZARD PICTOGRAMS



UN: 1219

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319
H336

P PHRASES: P243
P261
P271
P303+P361+P353
P304+P340
P305+P351+P338

MASTER NAME: 2-Propanol

SYNONYMS LONG TEXT: Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol

EINECS: 200-661-7

CS: 2905 12 00 00

INDEX NR.: 603-117-00-0

Acetic Acid 36% (USP-NF) pharma grade

Assay (Acidim.): 36.0-37.0 %

CODE 196358

CAS 64-19-7

MOLECULAR FORMULA $C_2H_4O_2$

MOLAR MASS 60.05 g/mol

Packs sizes (1)



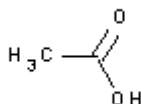
CODE

CODE
196358.0716

PACKAGING
SIZE

PACKAGING
SIZE
25 l

Product discontinued. Please check CAS-No.
for alternative or contact our Customer
Service.



① Technical data

DENSITY: 1.046 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 196358

PRODUCT NAME: Acetic Acid 36% (USP-NF) pharma grade

QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Acidim.): 36.0-37.0 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Non-volatile matter: 0.005 % Chloride (Cl): passes test Sulfate (SO ₄): passes test Residual solvents (USP): passes test Readily oxidable substances: passes test

HAZARD PICTOGRAMS



UN:	2790
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338

P310
P321
P338
P363
P405

MASTER NAME:	Acetic Acid 36%
EINECS:	200-580-7
CS:	2915 21 00 90

Acetic Acid 25% w/w pharma grade

Assay (Acidim.): 23-27 %

CODE

196884

CAS

64-19-7

MOLECULAR FORMULA

CH₃COOH

MOLAR MASS

60.05 g/mol

Packs sizes (1)



CODE

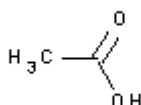
PACKAGING SIZE

CODE

196884.1215

PACKAGING SIZE

10 l



① Technical data

DENSITY: 1.031 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 196884

PRODUCT NAME: Acetic Acid 25% w/w pharma grade

QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Acidim.): 23-27 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance: passes test Insoluble matter in H2O: passes test Non-volatile matter: 0.005 % Reducing substances: passes test Easily oxidable substances: passes test Chloride (Cl): 0.001% Sulfate (SO4): 0.001% Residual solvents (Ph.Eur/USP): passes test Aldehydes (as CH3CHO): 0.05% Total aerobic microbial count (TAMC): 100 cfu/ml Total combined yeast and moulds (TYMC): 100 cfu/ml Heavy metals (as Pb): 0.0005% Fe: 0.0005 % This product has been manufactured with a raw material which passes the RFE, USP-NF, BP, Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	2790
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P363 P405

MASTER NAME:	Acetic Acid 25% w/w
EINECS:	200-580-7
CS:	2915 21 00 90
INDEX NR.:	607-002-00-6

α-Chymotrypsin (USP) pure, pharma grade

Assay: 90.0 - 110.0 %

CODE	A7457
CAS	9004-07-3
MOLAR MASS	~25000 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A7457,0125	PACKAGING SIZE 125 g

Technical data

PHYSICAL DESCRIPTION: Solid

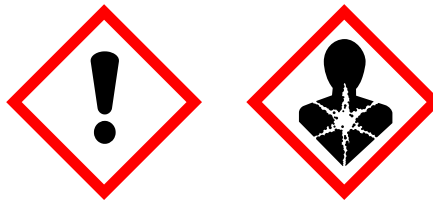
PRODUCT CODE: A7457

PRODUCT NAME: α-Chymotrypsin (USP) pure, pharma grade

SPECIFICATIONS:

Assay: 90.0 - 110.0 %
Activity (calc. on dried subst.): min. 1000 U/mg
Microbial limits: passes test
Residue on ignition: max. 2.5 %
Loss on drying (4 h; 60°C; vacuum): max. 5.0 %
Trypsin: max. 1.0 %

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

-20°C

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS07

GHS08

H PHRASES:

H315

H319

H334

H335

P PHRASES:

P284

P305+P351+P338

P342+P311

P403+P233

P405

P501

EINECS:

232-671-2

CS:

35079090

INDEX NR.:

647-011-00-2

Tris (USP, BP, Ph. Eur.) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.0 - 100.5 %

CODE

141940

CAS

77-86-1

MOLECULAR FORMULA

$C_4H_{11}NO_3$

MOLAR MASS

121.14 g/mol

Packs sizes (4)



CODE

CODE
141940.1209

PACKAGING SIZE

PACKAGING SIZE
250 g

Product active until stock lasts.



CODE

141940.1211

PACKAGING SIZE

1000 g

Product active until stock lasts.



CODE

141940.0914

PACKAGING SIZE

5 kg

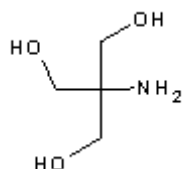


CODE

141940.0416

PACKAGING SIZE

25 kg



① Technical data

SOLUBILITY: 800 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 141940

PRODUCT NAME: Tris (USP, BP, Ph. Eur.) pure, pharma grade

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 99.0 - 100.5 %
Appearance of solution: passes test
Residue on ignition: max. 0.1 %
Identity: passes test
pH (5 %; H₂O): 10.0 - 11.5
Heavy metals (as Pb): max. 0.001 %
Loss on drying (3 h; 105°C): max. 0.5 %
Related subst.: passes test
Melting range: 168 - 172°C
Residual solvents (Ph. Eur./USP): passes test
Insoluble matter in H₂O: max. 0.025 %
Chloride: max. 0.003 %
Fe: max. 0.001 %
As: max. 0.0001 %
Elemental impurities (according to ICH Q3D):
Class 1 (Cd): max. 0.5 ppm
Class 2B (Au): max. 10 ppm
Class 2B (Rh): max. 10 ppm
Class 2A (Co): max. 5 ppm
Class 3 (Li): max. 55 ppm
Class 1 (Pb): max. 0.5 ppm
Class 1 (As): max. 1 ppm
Class 1 (Hg): max. 1.5 ppm
Class 2A (V): max. 10 ppm
Class 2A (Ni): max. 20 ppm
Class 2B (Tl): max. 2 ppm
Class 2B (Pd): max. 10 ppm
Class 2B (Ir): max. 10 ppm
Class 2B (Os): max. 10 ppm
Class 2B (Ru): max. 10 ppm
Class 2B (Pt): max. 10 ppm
Class 2B (Se): max. 15 ppm

Class 2B (Ag): max. 15 ppm
Class 3 (Sb): max. 120 ppm
Class 3 (Ba): max. 140 ppm
Class 3 (Mo): max. 25 ppm
Class 3 (Cr): max. 25 ppm
Class 3 (Cu): max. 250 ppm
Class 3 (Sn): max. 600 ppm

WGK:

1

STORAGE:

RT

EINECS:

201-064-4

CS:

29221900

Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade

2,2',2''-Nitrilotriethanol, 2,2',2''-Trihydroxytriethylamine, TEA, Tris (2-Hydroxyethyl)Amine, Trolamine

Assay (Acidim.): 99.0-103.0 %

CODE	191750
CAS	102-71-6
MOLECULAR FORMULA	C ₆ H ₁₅ NO ₃
MOLAR MASS	149.19 g/mol

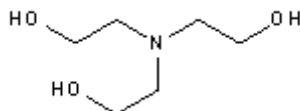
Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 191750.1611	PACKAGING SIZE 1000 ml
	CODE 191750.1214	PACKAGING SIZE 5 l
	CODE 191750.0716	PACKAGING SIZE 25 l
	CODE 191750.0718	PACKAGING SIZE 60 l



CODE
191750.0619

PACKAGING SIZE
200 l



① Technical data

MELTING POINT:	21 °C
BOILING POINT:	335.4 °C
DENSITY:	1.124 kg/l
REFRACTIVE INDEX:	20/D 1.4852

PRODUCT CODE:	191750
PRODUCT NAME:	Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Acidim.): 99.0-103.0 % Identity according to Pharmacopoeias:: passes test Density 20/20: 1.120-1.130 Density 25/25: 1.120-1.128 Refractive Index n 20/D: 1.482 - 1.485 Maximum limit of impurities Appearance of solution: passes test Residue on ignition (as SO₄): 0.05 % Related substances Residual solvents (Ph.Eur/USP): passes test Ethanolamine: 0.1%

Diethanolamine: 0.5%
Total impurities: 1.0%
N-Nitrosodiethanolamine: 24 ppb
Water (H2O): 0.5 %

WGK: 1

STORAGE: Storage away from direct light.

MASTER NAME: Triethanolamine

SYNONYMS LONG TEXT: 2,2',2"-Nitrilotriethanol, 2,2',2"-
Trihydroxytriethylamine, TEA, Tris (2-
Hydroxyethyl)Amine, Trolamine

EINECS: 203-049-8

CS: 2922 15 00 00

Ammonia 25% (as NH₃) (BP, Ph. Eur.) pure, pharma grade

Ammonium Hydroxide

Assay (Acidim.) (w/w): 25.0-27.0 %*

CODE

141129

CAS

1336-21-6

MOLECULAR FORMULA

NH₃

MOLAR MASS

17.03 g/mol

Packs sizes (4)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141129.1611

1000 ml



CODE

PACKAGING SIZE

141129.1214

5 l



CODE

PACKAGING SIZE

141129.0716

25 l



CODE

PACKAGING SIZE

141129.0719

200 l

DENSITY: 0.905 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141129

PRODUCT NAME: Ammonia 25% (as NH₃) (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) (w/w): 25.0-27.0 %*
Identity according to Pharmacopoeias:: passes test
Density 20/20: 0.901-0.907*

Maximum limit of impurities

Appearance of solution: passes test

Non-volatile matter: 0.002 %

Reducing substance to KMnO₄: passes test

Chloride (Cl): 0.0001%

Sulfur compounds (as SO₄): 0.0005 %

Phosphate (PO₄): 0.0005 %

Carbonate: 0.005%

Residual solvents (Ph.Eur.): passes test

Pyridine and homologues (as C₆H₅N): 0.0002%

Ca: 0.001 %

Fe: 0.000025 %

Mg: 0.001 %

* At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN: 2672

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA:	8/III
WGK:	2
STORAGE:	Storage below 20°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H400 H335
P PHRASES:	P260 P261 P264 P271 P273 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P363 P391 P403+P233 P405

MASTER NAME:	Ammonia 25% *(as NH3)
SYNONYMS LONG TEXT:	Ammonium Hydroxide
EINECS:	215-647-6
CS:	2814 20 00 00
INDEX NR.:	007-001-01-2

Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Potassium Alum, Potassium Aluminium Sulphate

Assay (Compl.): 99.0-100.5%

CODE

141103

CAS

7784-24-9

MOLECULAR FORMULA

$\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

MOLAR MASS

474.39 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141103.0416

25 kg

① Technical data

MELTING POINT:

92 °C

SOLUBILITY:

water 110 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

141103

PRODUCT NAME:

Aluminium Potassium Sulfate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Assay (Compl.): 99.0-100.5%
Identity according to Pharmacopoeias:: passes test
pH of 10% solution: 3.0-3.5

Maximum limit of impurities

Appearance of solution: passes test
Loss on drying at 400°C: 43.0-46.0 %
Chloride (Cl): 0.01%
Ammonium (NH₄): 0.01%
Residual solvents (Ph.Eur/USP): passes test
Fe: 0.002 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Aluminium Potassium Sulphate 12-hydrate

SYNONYMS LONG TEXT: Potassium Alum, Potassium Aluminium Sulphate

EINECS: 233-141-3

CS: 2833 30 00 00

Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Assay (Compl.): 95.0-101.0%

CODE	141097
CAS	7784-13-6
MOLECULAR FORMULA	$\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$
MOLAR MASS	241.45 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 141097.1210	PACKAGING SIZE 500 g



CODE	PACKAGING SIZE
CODE 141097.0416	PACKAGING SIZE 25 kg

① Technical data

SOLUBILITY: water 1,330 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141097

PRODUCT NAME: Aluminium Chloride 6-hydrate (USP, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Compl.): 95.0-101.0% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H2O: 0.02 % Ammonium (NH4): 0.05% Sulfate (SO4): 0.01% Residual solvents (Ph.Eur/USP): passes test Alkali and alkaline-earth metals: 0.5% Water (H2O): 42.0-48.0 % Fe: 0.001 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H315
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362

MASTER NAME:

Aluminium Chloride 6-hydrate

EINECS:

231-208-1

CS:

2827 32 00 00

Acetone (USP, BP, Ph. Eur.) pure, pharma grade

2-Propanone, β-Ketopropane, Dimethylketone, Pyroacetic Ether

Minimum assay (G.C.): 99.5%

CODE	141007
CAS	67-64-1
MOLECULAR FORMULA	CH ₃ COCH ₃
MOLAR MASS	58.08 g/mol

Packs sizes (8)

	CODE	PACKAGING SIZE	
	CODE 141007.1211	PACKAGING SIZE 1000 ml	
	CODE 141007.1611	PACKAGING SIZE 1000 ml	
	CODE 141007.1212	PACKAGING SIZE 2.5 l	
	CODE 141007.1612	PACKAGING SIZE 2.5 l	Product active until stock lasts.
	CODE 141007.1214	PACKAGING SIZE 5 l	



CODE
141007.0716

PACKAGING SIZE
25 l



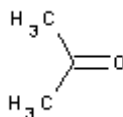
CODE
141007.36177

PACKAGING SIZE
190 l



CODE
141007.9774

PACKAGING SIZE
1000 l



Technical data

MELTING POINT:	-94 °C
BOILING POINT:	56.5 °C
DENSITY:	0.789 kg/l
SOLUBILITY:	water
REFRACTIVE INDEX:	20/D 1.3591
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141007
PRODUCT NAME:	Acetone (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Minimum assay (G.C.): 99.5%

Identity according to Pharmacopoeias:: passes test

Density 25/25: ≤ 0.789

Density 20/20: 0.790-0.793

Maximum limit of impurities

Appearance of solution: passes test

Acidity: passes test

Alkalinity: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.004 %

Reducing substance to KMnO₄: passes test

Related substances (G.C.)

Residual solvents (Ph.Eur/USP): passes test

Methanol: 0.05 %

2-Propanol: 0.05 %

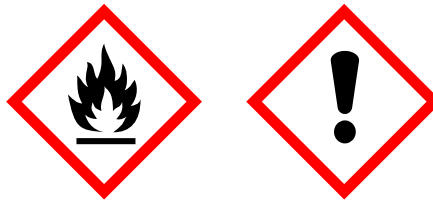
Benzene: 0.0002 %

Other impurities: 0.05 %

Ethanol (G.C.): 500 ppm

Water (H₂O): 0.3 %

HAZARD PICTOGRAMS



UN: 1090

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES:	H225 H319 EUH066 H336
P PHRASES:	P210 P233 P241 P235 P501 P303+P361+P353 P304+P340

MASTER NAME:	Acetone
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SYNONYMS LONG TEXT:	2-Propanone, β -Ketopropane, Dimethylketone, Pyroacetic Ether
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EINECS:	200-662-2
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CS:	2914 11 00 00
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INDEX NR.:	606-001-00-8
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Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade

Assay (Acidim.): 99.5-100.5%

CODE	141008
CAS	64-19-7
MOLECULAR FORMULA	CH ₃ COOH
MOLAR MASS	60.05 g/mol

Packs sizes (8)

	CODE	PACKAGING SIZE
	CODE 141008.1211	PACKAGING SIZE 1000 ml
	CODE 141008.1611	PACKAGING SIZE 1000 ml
	CODE 141008.1212	PACKAGING SIZE 2.5 l
	CODE 141008.1612	PACKAGING SIZE 2.5 l
	CODE 141008.1214	PACKAGING SIZE 5 l



CODE
141008.9914

PACKAGING SIZE
5 l



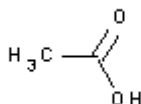
CODE
141008.0716

PACKAGING SIZE
25 l



CODE
141008.9774

PACKAGING SIZE
1000 l



Technical data

MELTING POINT:	16.7 °C
BOILING POINT:	117 - 119 °C
DENSITY:	1.052 kg/l
REFRACTIVE INDEX:	20/D 1.3718
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141008
PRODUCT NAME:	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 99.5-100.5% Identity according to Pharmacopoeias:: passes

test

Freezing point: $\geq 15.6^{\circ}\text{C}$

Maximum limit of impurities

Appearance of the substance: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.005 %

Reducing substances: passes test

Easily oxidable substances: passes test

Chloride (Cl): 0.001%

Sulfate (SO₄): 0.001%

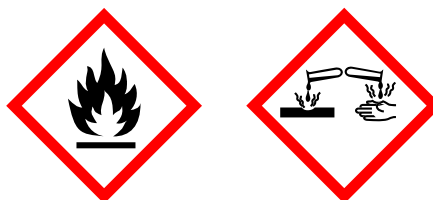
Residual solvents (Ph.Eur/USP): passes test

Aldehydes (as CH₃CHO): 0.05%

Heavy metals (as Pb): 0.001 %

Fe: 0,0005 %

HAZARD PICTOGRAMS



UN:	2789
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05
H PHRASES:	H226 H314
P PHRASES:	P210 P233

P240
P241
P242
P501
P243
P260
P264
P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P338
P363
P370+P378
P403+P235

MASTER NAME:	Acetic Acid glacial
EINECS:	200-580-7
CS:	2915 21 00 10
INDEX NR.:	607-002-00-6

Benzethonium Chloride (BP, Ph. Eur.) pure, pharma grade

Di-iso-Butylphenoxyethoxyethyl dimethylbenzylammonium Chloride, Hyamina 1622, N-Benzyl-N,N-Dimethyl-N-[4- (1,1,3,3-Tetramethylbutyl)]

Assay (calc. a.d.s.): 97.0-103.0 %

CODE	143083
CAS	121-54-0
MOLECULAR FORMULA	C ₂₇ H ₄₂ ClNO ₂
MOLAR MASS	448.18 g/mol

Packs sizes (2)



CODE

CODE
143083.1209

PACKAGING
SIZE

PACKAGING
SIZE
250 g

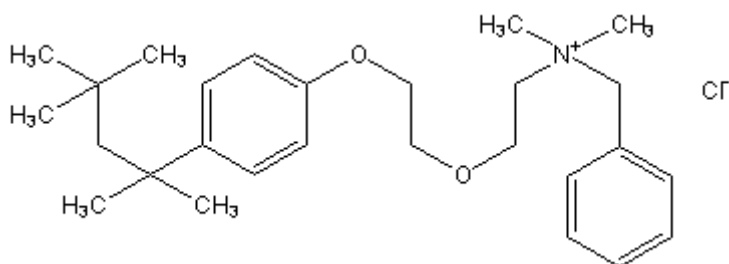
Product active until stock lasts.



CODE
143083.1211

PACKAGING
SIZE
1000 g

Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.



Technical data

MELTING POINT: ~ 163 °C

SOLUBILITY: Soluble in water, ethanol and chloroform.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 143083

PRODUCT NAME: Benzethonium Chloride (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (calc. a.d.s.): 97.0-103.0 %
Identity according to Pharmacopoeias:: passes test
Melting range: 158-163°C

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Loss on drying at 105°C: 5.0%

Residue on ignition (as SO₄): 0.1 %

Volatile bases and salts of volatile bases: 0.005%

Residual solvents (Ph.Eur/USP): passes test

Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)

Class 1A (Pt, Pd): 10 ppm

Class 1B (Ir, Rh, Ru, Os): 10 ppm

Class 1C (Mo, Ni, Cr, V): 25 ppm

Class 2 (Cu, Mn): 250 ppm

Class 3 (Fe, Zn): 1,300 ppm

HAZARD PICTOGRAMS



WGK:

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS07
GHS05
GHS09

H PHRASES: H302
H314
H410

P PHRASES: P264
P270
P301+P312
P330
P501
P260
P280
P301+P330+P331
P303+P361+P353
P363
P310
P321
P304+P340
P305+P351+P338
P405
P273
P391

MASTER NAME: Benzethonium Chloride

SYNONYMS LONG TEXT: Di-iso-
Butylphenoxyethoxyethyl dimethylbenzylammonium Chloride, Hyamina 1622, N-Benzyl-N,N-Dimethyl-N-[-4- (1,1,3,3-Tetramethylbutyl)]

EINECS: 204-479-9

CS: 2923 90 00 90

Ampicillin Sodium Salt (Ph. Eur.) pure, pharma grade

Assay (HPLC, anhydrous subst.): 91.0 - 102.0 %

CODE	A6352
CAS	69-52-3
MOLECULAR FORMULA	$C_{16}H_{18}N_3NaO_4S$
MOLAR MASS	371.39 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A6352,0025	PACKAGING SIZE 25 g
	CODE A6352,0100	PACKAGING SIZE 100 g
	CODE A6352,0250	PACKAGING SIZE 250 g

① Technical data

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A6352

PRODUCT NAME:	Ampicillin Sodium Salt (Ph. Eur.) pure, pharma grade
SPECIFICATIONS:	Assay (HPLC, anhydrous subst.): 91.0 - 102.0 % α 20°C/D; 0.25 %, Potassium hydrogen phthalate sol. 4 g/L, anhydrous subst.: +258° - +287° pH (10 %; H ₂ O): 8.0 - 10.0 Identity: passes test Appearance of solution: passes test Related subst. (HPLC): passes test N,N-Dimethylaniline: max. 0.002 % 2-Ethylhexanoic acid: max. 0.8 % (w/w) Dichloromethane (GC): max. 0.2 % (w/w) Water (K.F.): max. 2.0 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H317 H334
P PHRASES:	P261 P280 P284 P304+P340 P342+P311 P501

EINECS:	200-708-1
CS:	29411000

Ammonium Hydrogen Carbonate (BP, Ph. Eur.) pure, pharma grade

Ammonium Bicarbonate

Assay (Acidim.): 98.0-101.0 %

CODE	141116
CAS	1066-33-7
MOLECULAR FORMULA	$(\text{NH}_4)\text{HCO}_3$
MOLAR MASS	79.06 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 141116.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	105 °C
SOLUBILITY:	water 176 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141116
PRODUCT NAME:	Ammonium Hydrogen Carbonate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade

SPECIFICATIONS:

Assay (Acidim.): 98.0-101.0 %

Identity according to Pharmacopoeias:: passes test

Maximum limit of impuritiesInsoluble matter in H₂O: 0.01 %

Chloride (Cl): 0.005%

Phosphate (PO₄): 0.005 %Sulfate (SO₄): 0.007%

Sulfide: passes test

Residual solvents (Ph.Eur.): passes test

Heavy metals (as Pb): 0.001%

Ca: 0.01 %

Fe: 0.001 %

HAZARD PICTOGRAMS**WGK:**

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

H PHRASES:

H302

P PHRASES:

P264

P270

P301+P312

P330

P501

MASTER NAME:

Ammonium Hydrogen Carbonate

SYNONYMS LONG TEXT:

Ammonium Bicarbonate

EINECS:

213-911-5

CS:2836 99 17 80

Ammonium Chloride (USP, BP, Ph. Eur.) pure, pharma grade

Assay (Arg.) calc. a.d.s.: 99.5-100.5%

CODE	141121
CAS	12125-02-9
MOLECULAR FORMULA	NH ₄ Cl
MOLAR MASS	53.49 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 141121.1210	PACKAGING SIZE 500 g	
	CODE 141121.1211	PACKAGING SIZE 1000 g	
	CODE 141121.1214	PACKAGING SIZE 5 kg	
	CODE 141121.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 141121.1214 (please check specifications).

BOILING POINT: 520 °C

SOLUBILITY: water 370 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141121

PRODUCT NAME: Ammonium Chloride (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Arg.) calc. a.d.s.: 99.5-100.5%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.6-6.0

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Loss on drying at 100°C: 0.5%

Residue on ignition (as SO₄): 0.1 %

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Residual solvents (Ph.Eur/USP): passes test

Bromide and iodide: passes test

Thiocyanate: passes test

Heavy metals (as Pb): 0.001%

Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)

Class 1A (Pt, Pd): 10 ppm

Class 1B (Ir, Rh, Ru, Os): 10 ppm

Class 1C (Mo, Ni, Cr, V): 25 ppm

Class 2 (Cu, Mn): 250 ppm

Class 3 (Fe, Zn): 1,300 ppm

As: 0.0001 %

Ca: 0.02 %

Cd: 0.00005 %

Fe: 0.002 %

Hg: 0.00015 %

Pb: 0.00005 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H319
P PHRASES:	P264 P270 P280 P301+P312 P305+P351+P338 P501 P330 P337+P313
MASTER NAME:	Ammonium Chloride
EINECS:	235-186-4
CS:	2827 10 00 00
INDEX NR.:	017-014-00-8

Ammonia 30% (as NH₃) (USP-NF, BP, Ph. Eur.) pure, pharma grade

Ammonium Hydroxide

Assay (Acidim.): 27.0-30.0 %*

CODE	141130
CAS	1336-21-6
MOLECULAR FORMULA	NH ₃
MOLAR MASS	17.03 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 141130.1611	PACKAGING SIZE 1000 ml	
	CODE 141130.1612	PACKAGING SIZE 2.5 l	
	CODE 141130.1214	PACKAGING SIZE 5 l	Product active until stock lasts.
	CODE 141130.0719	PACKAGING SIZE 200 l	

DENSITY: 0.897 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141130

PRODUCT NAME: Ammonia 30% (as NH₃) (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 27.0-30.0 %*
Identity according to Pharmacopoeias:: passes test
Density 20/20: 0.892-0.901*

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.002 %
Reducing substance to KMnO₄: passes test
Residue on ignition: 0.01 %
Chloride (Cl): 0.0001%
Sulfur compounds (as SO₄): 0.0005 %
Phosphate (PO₄): 0.0005 %
Carbonate (as CO₃): 0.005%
Residual solvents (Ph.Eur/USP): passes test
Pyridine and homologues (as C₆H₅N): 0.0002%
Ca: 0.001 %
Fe: 0.000025 %
Mg: 0.001 %
* At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN: 2672

CLASS/PG: 8/III

ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Storage below 20°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H400 H335
P PHRASES:	P260 P261 P264 P271 P273 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P363 P391 P403+P233 P405

MASTER NAME:	Ammonia 30% *(as NH3)
SYNONYMS LONG TEXT:	Ammonium Hydroxide
EINECS:	215-647-6

CS: 2814 20 00 00

INDEX NR.: 007-001-01-2

Butylhydroxyanisole (BP, Ph. Eur.) pure, pharma grade

2 (3)-tert-Butyl-4-Hydroxyanisol, BHA, 2(3)-tert-Butyl-4-Methoxyphenol

CODE

144233

CAS

25013-16-5

MOLECULAR FORMULA

$C_{11}H_{16}O_2$

MOLAR MASS

180.25 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

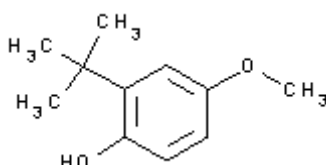
CODE
144233.1211

PACKAGING SIZE
1000 g



CODE
144233.0914

PACKAGING SIZE
5 kg



① Technical data

MELTING POINT:

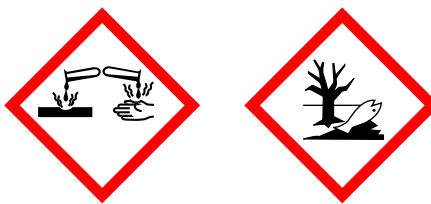
50 °C

BOILING POINT:	236 °C
SOLUBILITY:	Insoluble in water
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	144233
PRODUCT NAME:	Butylhydroxyanisole (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
 Insoluble matter in C₂H₆O: passes test
 Residue on ignition (as SO₄): 0.01 %
 Related substances (T.L.C.)
 Residual solvents (Ph.Eur.): passes test
 3-tert-Butyl-4-Methoxyphenol: 10 %
 Hydroquinone: 0.2 %
 Any other impurity: 0.5 %

HAZARD PICTOGRAMS



UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS09

H PHRASES: H318
H411

P PHRASES: P305+P351+P338
P280
P273

MASTER NAME: Butylhydroxyanisole

SYNONYMS LONG TEXT: 2 (3)-tert-Butyl-4-Hydroxyanisol, BHA, 2(3)-tert-Butyl-4-Methoxyphenol

EINECS: 246-563-8

CS: 2909 50 00 10

Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.5 - 100.5 %

CODE	141015
CAS	10043-35-3
MOLECULAR FORMULA	H_3BO_3
MOLAR MASS	61.83 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
141015.1211	1000 g



CODE	PACKAGING SIZE
141015.0914	5 kg



CODE	PACKAGING SIZE
141015.0416	25 kg

① Technical data

SOLUBILITY: 50 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	141015
PRODUCT NAME:	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.5 - 100.5 % Assay (titr.): 99.0 - 100.5 % Appearance of solution: passes test Identity: passes test Solubility (EtOH 96 %): passes test pH (3.3 %; H₂O): 3.8 - 4.8 Loss on drying: max. 0.5 % Residue on ignition (CH₃OH + HCl): max. 0.1 % Residual solvents (Ph. Eur./USP): passes test Organic substances: passes test Sulfate: max. 0.045 % Chloride: max. 0.002 % Phosphate: max. 0.002 % As: max. 0.0005 % Fe: max. 0.001 % Pb: max. 0.001 % Cu: max. 0.001 % Mg: max. 0.005 % Ni: max. 0.001 % Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Ti): max. 0.8 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm

Class 3 (Ba): max. 140 ppm
Class 3 (Mo): max. 25 ppm
Class 3 (Cr): max. 25 ppm
Class 3 (Cu): max. 250 ppm
Class 3 (Sn): max. 600 ppm

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H360FD
P PHRASES:	P201 P202 P280 P308+P313 P405 P501

EINECS:	233-139-2
CS:	28100090
INDEX NR.:	005-007-00-2

Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade

a -Hydroxytoluene, Benzenemethanol, Phenylcarbinol

Assay (Acidim.): 98.0-100.5 %

CODE

141081

CAS

100-51-6

MOLECULAR FORMULA

$C_6H_5CH_2OH$

MOLAR MASS

108.14 g/mol

Packs sizes (4)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141081.1611

1000 ml



CODE

PACKAGING SIZE

141081.1214

5 l



CODE

PACKAGING SIZE

141081.0816

25 l

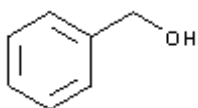


CODE

PACKAGING SIZE

141081.0719

200 l



① Technical data

MELTING POINT: -15.2 °C

BOILING POINT: 204.7 °C

DENSITY: 1.046 kg/l

SOLUBILITY: water 40 g/l at 20 °C

REFRACTIVE INDEX: 20/D 1.5396

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141081

PRODUCT NAME: Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 98.0-100.5 %
Identity according to Pharmacopoeias: passes test
Density 20/20: 1.043-1.049
Refractive Index n 20/D: 1.539-1.541

Maximum limit of impurities

Appearance of solution: passes test

Acidity: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.05 %

Residue on ignition (as SO₄): 0.005 %

Peroxide value: 5

Clarity of solution: passes test

Colour of solution: passes test

Halogenated compounds and halides (as Cl):
0.03%
Related substances (G.C.)
Benzaldehyde (G.C.): 0.15%
Ciclohexylmethanol: 0.10%
Total imp. Tr < Benzyl Alcohol: 0.04%
Total imp. Tr > Benzyl Alcohol: 0.3%
Residual solvents (Ph.Eur/USP): passes test
Water (H₂O): 0.2 %
Product bottled under nitrogen atmosphere.

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage between +2 and +8°C .
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H332 H302 H319
P PHRASES:	P261 P264 P270 P271 P301+P312 P501 P304+P340 P312 P330

MASTER NAME:	Benzyl Alcohol
SYNONYMS LONG TEXT:	a -Hydroxytoluene, Benzenemethanol, Phenylcarbinol
EINECS:	202-859-9

CS: 2906 21 00 00

INDEX NR.: 603-057-00-5

Benzoyl Peroxide humidified with ~ 25% of H₂O (USP, BP, Ph. Eur.) pure, pharma grade

Benzoyl Superoxide, Dibenzoyl Peroxide

Assay (Iodom.): 70.0-77.0 %

CODE 142357

CAS 94-36-0

MOLECULAR FORMULA (C₆H₅CO)₂O₂

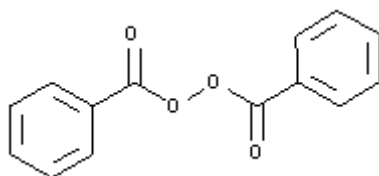
MOLAR MASS 242.23 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 142357.1210 PACKAGING SIZE 500 g



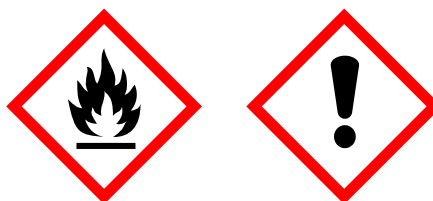
① Technical data

MELTING POINT: 105 °C

SOLUBILITY: Very slightly soluble in water.

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142357
PRODUCT NAME:	Benzoyl Peroxide humidified with ~ 25% of H2O (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Iodom.): 70.0-77.0 % Minimum assay (Iodom.) (calc. a.d.s.): 98 % Identity according to Pharmacopoeias:: passes test Melting range (a.d.s.): 102-105°C Maximum limit of impurities Acidity: passes test Chloride (Cl): 0.4% Related substances Residual solvents (Ph.Eur/USP): passes test Impurity A (Benzaldehyde): 0.25 % Unspecified impurities: 0.10 % Impurity B (Benzoic Acid): 1.5 % Impurity C (Ethyl Benzoate): 0.25 % Organic impurities Individual impurity: 1.5% Total impurities: 2.0% Water (H2O): >20 %

HAZARD PICTOGRAMS



UN:	3104
CLASS/PG:	5.2/ -
ADR:	5.2/ -
IMDG:	5.2/ -

IATA:	5.2/ -
WGK:	1
STORAGE:	Storage between +2 and +8°C .
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H242 H317 H319
P PHRASES:	P210 P220 P234 P280 P370+P378 P403+P235 P411 P420 P501 P261 P272 P302+P352 P333+P313 P321 P363 P264 P305+P351+P338 P337+P313

MASTER NAME:	Benzoyl Peroxide *humidified with~ 25% of H2O
SYNONYMS LONG TEXT:	Benzoyl Superoxide, Dibenzoyl Peroxide
EINECS:	202-327-6
CS:	2916 32 00 00
INDEX NR.:	617-008-00-0

Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade

Benzenecarboxylic acid, Phenylformic acid

Assay (Acidim.) calc. a.d.s.: 99.5-100.5%

CODE 141014

CAS 65-85-0

MOLECULAR FORMULA C_6H_5COOH

MOLAR MASS 122.12 g/mol

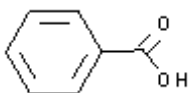
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 141014.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141014.0416	PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 122.4 °C (Handbook)

BOILING POINT: 249.2 °C (Handbook)

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141014

PRODUCT NAME: Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.d.s.: 99.5-100.5%
Identity according to Pharmacopoeias:: passes test
Melting range: 121-123°C

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in Cl_3CH : 0.01 %

Insoluble matter in $\text{C}_2\text{H}_5\text{OH}$: passes test

Residue on ignition (as SO_4): 0.05 %

Sulfate (SO_4): 0.005%

Halogenated compounds and halides (as Cl): 0.03 %

Residual solvents (Ph.Eur/USP): passes test

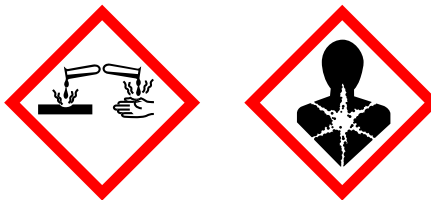
Oxidisable substances: passes test

Darkened substances: passes test

Water (H_2O): 0.7 %

Fe: 0.001 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS:	GHS05 GHS08
H PHRASES:	H318 H372 H315
P PHRASES:	P260 P264 P270 P280 P305+P351+P338 P501 P310 P314 P302+P352 P321 P332+P313 P362

MASTER NAME:	Benzoic Acid
SYNONYMS LONG TEXT:	Benzenecarboxylic acid, Phenylformic acid
EINECS:	200-618-2
CS:	2916 31 00 90

Calcium Acetate x-hydrate pure

Assay (Compl.) (calc. a.a.s): 99.0-100.5%

CODE	141211
CAS	62-54-4
MOLECULAR FORMULA	$\text{Ca}(\text{CH}_3\text{COO})_2 \cdot x\text{H}_2\text{O}$
MOLAR MASS	158.17 (anh) g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141211.1211	PACKAGING SIZE 1000 g
	CODE 141211.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY: water 300 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141211

PRODUCT NAME: Calcium Acetate x-hydrate pure

QUALITY NAME: pure

SPECIFICATIONS: Assay (Compl.) (calc. a.a.s): 99.0-100.5%

pH of 5% solution: 6.3-9.6
Insoluble matter in H₂O: 0.1 %
Easily oxidable substances: passes test
Chloride (Cl): 0.05%
Phosphate (PO₄): 0.005 %
Sulfate (SO₄): 0.06%
Fluoride (F): 0.005%
Water (H₂O): 7.0 %
Heavy metals (as Pb): 0.002%
Al: 0.001 %
As: 0.0002 %
Ba: 0.005 %
Cu: 0.001 %
Fe: 0.005 %
Ni: 0.001 %
Pb: 0.001 %
Sr: 0.05 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Calcium Acetate x-hydrate

EINECS: 200-540-9

CS: 2915 29 00 90

Caffeine anhydrous (BP, Ph. Eur.) pure, pharma grade

1,3,7-Trimethylxantine, 3,7-Dihydro-1,3,7-Trimethyl-1H-Purin-2,6-Dione, 7-Methyltheobromine

Assay (Perchl. Ac.) calc. a.d.s.: 98.5-101.5 %

CODE	142833
CAS	58-08-2
MOLECULAR FORMULA	C ₈ H ₁₀ N ₄ O ₂
MOLAR MASS	194.19 g/mol

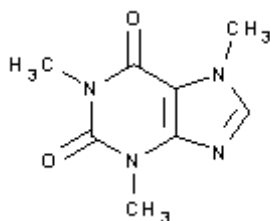
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 142833.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 142833.0914	PACKAGING SIZE 5 kg



① Technical data

MELTING POINT: 238 °C

SOLUBILITY: water 22 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142833

PRODUCT NAME: Caffeine anhydrous (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Perchl. Ac.) calc. a.d.s.: 98.5-101.5 %
Identity according to Pharmacopoeias:: passes test
Melting range (a.d.s.): 234-239°C

Maximum limit of impurities

Appearance of solution: passes test

Acidity: passes test

Insoluble matter in H₂O: passes test

Loss on drying: 0.5%

Residue on ignition (as SO₄): 0.1 %

Sulfate (SO₄): 0.05%

Related Substances (HPLC)

Individual impurity: 0.10%

Total impurities: 0.1%

Chromatographic purity: passes test

Residual solvents (Ph.Eur/USP): passes test

Heavy metals (as Pb): 0.001%

As: 0.0003 %

Cu: 0.001 %

Fe: 0.002 %

Ni: 0.001 %

Pb: 0.001 %

Residual metals (according to EMEA/CHMP /SWP/4446/2000): Nickel compounds as metal catalyst (class 1C classification) can be present. It is below to 0,2 ppm. It is fully in compliance with

HAZARD PICTOGRAMS



UN:	1544
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302
P PHRASES:	P264 P270 P301+P312 P330 P501

MASTER NAME:	Caffeine anhydrous
SYNONYMS LONG TEXT:	1,3,7-Trimethylxantine, 3,7-Dihydro-1,3,7-Trimethyl-1H-Purin-2,6-Dione, 7-Methyltheobromine
EINECS:	200-362-1
CS:	2939 30 00 00
INDEX NR.:	613-086-00-5

Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade

2,6-Di-tert-Butyl-p-Cresol, 3,5-Di-tert-Butyl-4-Hydroxytoluene, BHT, DBPC, Ionol

Minimum assay (as C₁₅H₂₄O): 99.0%

CODE

Z42825

CAS

128-37-0

MOLECULAR FORMULA

C₁₅H₂₄O

MOLAR MASS

220.35 g/mol

Packs sizes (1)



CODE

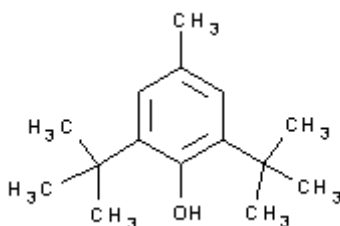
PACKAGING SIZE

CODE

Z42825.04102

PACKAGING SIZE

16 kg



① Technical data

MELTING POINT:

70 °C

BOILING POINT:

265 °C

SOLUBILITY: Insoluble in water. Soluble in alcohol and acetone.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: Z42825

PRODUCT NAME: Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (as C₁₅H₂₄O): 99.0%
Identity according to Pharmacopoeias:: passes test
Range of Freezing: 69 - 70°C

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in CH₃OH: passes test
Residue on ignition (as SO₄): 0.002 %
Related substances: passes test
Residual solvents (Ph.Eur.): passes test

HAZARD PICTOGRAMS



UN: 3077

CLASS/PG: 9/III

ADR: 9/III

IMDG: 9/III

IATA: 9/III

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS09

H PHRASES: H410

P PHRASES: P273
P391
P501

MASTER NAME: 2,6-Di-tert-Butyl-4-Methylphenol

SYNONYMS LONG TEXT: 2,6-Di-tert-Butyl-p-Cresol, 3,5-Di-tert-Butyl-4-Hydroxytoluene, BHT, DBPC, Ionol

EINECS: 204-881-4

CS: 2907 19 90 90

Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade

2,6-Di-tert-Butyl-p-Cresol, 3,5-Di-tert-Butyl-4-Hydroxytoluene, BHT, DBPC, Ionol

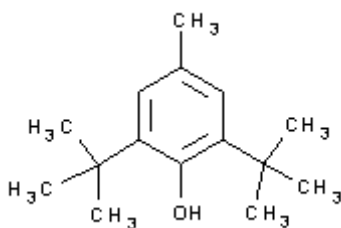
Minimum assay (as C₁₅H₂₄O): 99.0%

CODE	142825
CAS	128-37-0
MOLECULAR FORMULA	C ₁₅ H ₂₄ O
MOLAR MASS	220.35 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 142825.1211	PACKAGING SIZE 1000 g



① Technical data

MELTING POINT:	70 °C
BOILING POINT:	265 °C

SOLUBILITY: Insoluble in water. Soluble in alcohol and acetone.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142825

PRODUCT NAME: Butylhydroxytoluene (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (as C₁₅H₂₄O): 99.0%
Identity according to Pharmacopoeias:: passes test
Range of Freezing: 69 - 70°C

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in CH₃OH: passes test
Residue on ignition (as SO₄): 0.002 %
Related substances: passes test
Residual solvents (Ph.Eur.): passes test

HAZARD PICTOGRAMS



UN: 3077

CLASS/PG: 9/III

ADR: 9/III

IMDG: 9/III

IATA: 9/III

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS09

H PHRASES: H410

P PHRASES: P273
P391
P501

MASTER NAME: 2,6-Di-tert-Butyl-4-Methylphenol

SYNONYMS LONG TEXT: 2,6-Di-tert-Butyl-p-Cresol, 3,5-Di-tert-Butyl-4-Hydroxytoluene, BHT, DBPC, Ionol

EINECS: 204-881-4

CS: 2907 19 90 90

Butylhydroxyanisole (BP, Ph. Eur.) pure, pharma grade

2 (3)-tert-Butyl-4-Hydroxyanisol, BHA, 2(3)-tert-Butyl-4-Methoxyphenol

CODE

Z44233

CAS

25013-16-5

MOLECULAR FORMULA

C₁₁H₁₆O₂

MOLAR MASS

180.25 g/mol

Packs sizes (1)



CODE

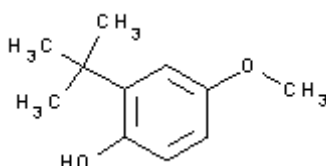
PACKAGING SIZE

CODE

PACKAGING SIZE

Z44233.0914

5 kg



① Technical data

MELTING POINT:

50 °C

BOILING POINT:

236 °C

SOLUBILITY:

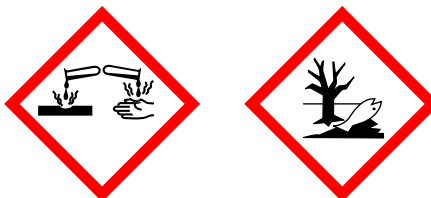
Insoluble in water

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	Z44233
PRODUCT NAME:	Butylhydroxyanisole (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
 Insoluble matter in C₂H₆O: passes test
 Residue on ignition (as SO₄): 0.01 %
 Related substances (T.L.C.)
 Residual solvents (Ph.Eur.): passes test
 3-tert-Butyl-4-Methoxyphenol: 10 %
 Hydroquinone: 0.2 %
 Any other impurity: 0.5 %

HAZARD PICTOGRAMS



UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger

GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	H318 H411
P PHRASES:	P305+P351+P338 P280 P273

MASTER NAME:	Butylhydroxyanisole
SYNONYMS LONG TEXT:	2 (3)-tert-Butyl-4-Hydroxyanisol, BHA, 2(3)-tert-Butyl-4-Methoxyphenol
EINECS:	246-563-8
CS:	2909 50 00 10

Chloral Hydrate pure

2,2,2-Trichloro-1,1-Ethanediol, Trichloroacetaldehyde Hydrate

Assay (Acidim.): 98.5-101.0%

CODE

141975

CAS

302-17-0

MOLECULAR FORMULA

$C_2H_3Cl_3O_2$

MOLAR MASS

165.40 g/mol

Packs sizes (3)



CODE

CODE

141975.1210

PACKAGING SIZE

PACKAGING SIZE

500 g

Product active until stock lasts.



CODE

141975.1211

PACKAGING SIZE

1000 g

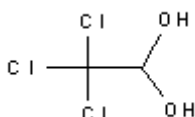


CODE

141975.1214

PACKAGING SIZE

5 kg



MELTING POINT:	57 °C
BOILING POINT:	96 °C
SOLUBILITY:	Miscible with ethanol
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141975
PRODUCT NAME:	Chloral Hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98.5-101.0% pH of 10 % solution: 2.8-5.5

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.1 %
Darkened substances by H₂SO₄: passes test
Chloride (Cl): 0.05%
Residual solvents (Ph.Eur.): passes test
Chloral alcoholate: passes test
Heavy metals (as Pb): 0.002%

HAZARD PICTOGRAMS



UN:	2811
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II

WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06
H PHRASES:	H301 H319 H315
P PHRASES:	P264 P270 P280 P301+P310 P302+P352 P501 P305+P351+P338 P321 P330 P332+P313 P337+P313 P362 P405

MASTER NAME:	Chloral Hydrate
SYNONYMS LONG TEXT:	2,2,2-Trichloro-1,1-Ethenediol, Trichloroacetaldehyde Hydrate
EINECS:	206-117-5
CS:	2905 59 98 90
INDEX NR.:	605-014-00-6

Castor Oil (BP, Ph. Eur.) pure, pharma grade

Ricinus oil

CODE	144564
CAS	8001-79-4

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 144564.1214	PACKAGING SIZE 5 l

Technical data

BOILING POINT:	313 °C
DENSITY:	0.958 kg/l
SOLUBILITY:	Insoluble in water
REFRACTIVE INDEX:	20/D 1.479
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	144564
PRODUCT NAME:	Castor Oil (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Hydroxyl value: ≥ 160 Identity according to Pharmacopoeias:: passes

test

Refractive Index n 20/D: 1.477-1.481

Specific rotation α 20/D (without dil.): +3.5 - + 6.0°

Maximum limit of impurities

ABS λ 270 nm 1.0 % w/v sol. in C₂H₅OH 96 °: 0.7

Acidity value: 1.5

Iodine value: 82-90

Peroxide value: 5.0

Saponification value: 176-187

Unsaponifiable matter: 0.8 %

Composition of fatty acids:

Foreign fatty substances: passes test

Residual solvents (Ph.Eur.): passes test

Palmitic acid: 2.0 %

Stearic acid: 2.5 %

Oleic acid: 2.5 - 6.0 %

Linoleic acid: 2.5 - 7.0 %

Linolenic acid: 1.0 %

Eicosenic acid: 1.0 %

Ricinoleic acid: 85.0 - 92.0 %

Any other fatty acid: 1.0 %

Water (H₂O): 0.3 %

STORAGE:

Room Temperature.

MASTER NAME:

Castor Oil

SYNONYMS LONG TEXT:

Ricinus oil

EINECS:

232-293-8

CS:

1515 30 90 00

Calcium Hydroxide, powder (USP, BP, Ph. Eur., JP) pure, pharma grade

Slaked lime

Assay (Compl.): 95.0-100.5%

CODE 142400

CAS 1305-62-0

MOLECULAR FORMULA Ca(OH)_2

MOLAR MASS 74.09 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 142400.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 142400.0914	PACKAGING SIZE 5 kg

① Technical data

SOLUBILITY: water 1.7 g/l at 20 °C

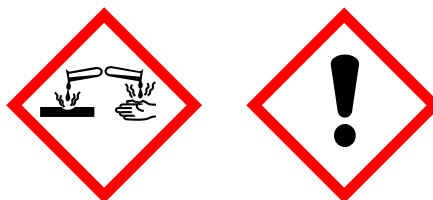
PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142400

PRODUCT NAME: Calcium Hydroxide, powder (USP, BP, Ph. Eur., JP)

QUALITY NAME:	pure, pharma grade pure, pharma grade
SPECIFICATIONS:	Assay (Compl.): 95.0-100.5% Identity according to Pharmacopoeias:: passes test
	Maximum limit of impurities Insoluble matter in HCl: 0.5 % Chloride (Cl): 0.033% Sulfate (SO ₄): 0.4% Carbonate (as CaCO ₃): 5.0% Carbonate (USP): passes test Residual solvents (Ph.Eur/USP): passes test Magnesium and alkali salts: 4.0% Heavy metals (as Pb): 0.002%

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H315 H318 H335
P PHRASES:	P264 P280 P302+P352 P321 P332+P313 P501 P362

MASTER NAME: Calcium Hydroxide, powder

SYNONYMS LONG TEXT: Slaked lime

EINECS: 215-137-3

CS: 2825 90 19 00

Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade

Assay (as CaCl₂·2H₂O) (Compl.): 99.0-103.0%

CODE	191232
CAS	10035-04-8
MOLECULAR FORMULA	CaCl ₂ ·2H ₂ O
MOLAR MASS	147.02 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 191232.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	175 °C
SOLUBILITY:	water 1,000 g/l at 1 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	191232
PRODUCT NAME:	Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade
QUALITY NAME:	pharma grade

SPECIFICATIONS:

Assay (as $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$) (Compl.): 99.0-103.0%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.5-9.2

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Sulfate (SO_4): 0.03%
Residual solvents (Ph.Eur/USP): passes test
Iron, Aluminium and Phosphate: passes test
Magnesium and alkali salts: 0.5%
Al: 0.0001 %
Fe: 0.001 %

HAZARD PICTOGRAMS**WGK:**

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

H PHRASES:

H319

P PHRASES:

P264
P280
P305+P351+P338
P337+P313

MASTER NAME:

Calcium Chloride 2-hydrate *powder

EINECS:

233-140-8

CS:

2827 20 00 00

INDEX NR.:017-013-00-2

Calcium Carbonate precipitated (USP, BP, Ph. Eur.) pure, pharma grade

Assay (Compl.) calc. a.d.s.: 98.5-100.5%

CODE	141212
CAS	471-34-1
MOLECULAR FORMULA	CaCO ₃
MOLAR MASS	100.09 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
141212.1211	1000 g

Technical data

MELTING POINT:	825 °C
SOLUBILITY:	Very slightly soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141212
PRODUCT NAME:	Calcium Carbonate precipitated (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s.: 98.5-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Insoluble matter in acid: 0.2 %
Loss on drying at 200°C: 2.0%
Chloride (Cl): 0.033%
Sulfate (SO₄): 0.25%
Residual solvents (Ph.Eur/USP): passes test
Fluoride (F): 0.005%
Magnesium and alkali salts: 1.0%
Heavy metals (as Pb): 0.002%
As: 0,00015 %
Ba: passes test
Cd: 0,00005 %
Fe: 0,02 %
Hg: 0,00005 %
Pb: 0,00005 %

Elemental impurities according to ICH Q3D guide:
Lead below 0.8 ppm and Thallium below 2 ppm can be present. The rest of the elements of Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

WGK:

nwg

STORAGE:

Room Temperature.

MASTER NAME:

Calcium Carbonate *precipitated

EINECS:

207-439-9

CS:2836 50 00 00

Collodion flexible (BP) pharma grade

CODE

197175

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 197175.0619	PACKAGING SIZE 200 l

Technical data

DENSITY: 0.78 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 197175

PRODUCT NAME: Collodion flexible (BP) pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeia:: passes test
Viscosity at 20°C: 300-385 cP *

Maximum limit of impurities

Appearance: passes test

Residual solvents: passes test

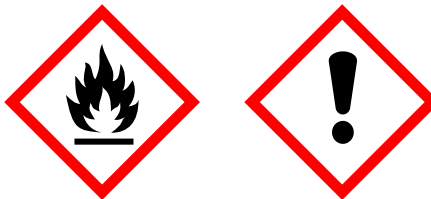
Ethanol (as v/v) (G.C.): 20-23%

Elemental impurities according to ICH Q3D guide:

No metal catalysts are used in the manufacturing process. Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

* At the moment of the batch analysis

HAZARD PICTOGRAMS



UN: 2059

CLASS/PG: 3/I

ADR: 3/I

IMDG: 3/I

IATA: 3/I

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H224
H317
H336

P PHRASES: P210
P233
P240
P241
P242
P501
P261
P243
P264
P270
P271
P272
P280
P301+P312
P302+P352
P304+P340
P305+P351+P338
P312
P333+P313
P321

P337+P313
P330
P363
P303+P361+P353
P370+P378
P403+P233
P405
P403+P235

MASTER NAME: Collodion flexible

CS: 3912 20 11 00

Collodion Castor (Ph. Fr.) pharma grade

CODE

196073

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 196073.06189	PACKAGING SIZE 154 l

Technical data

BOILING POINT: 35.6 °C

DENSITY: 0.775 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 196073

PRODUCT NAME: Collodion Castor (Ph. Fr.) pharma grade

QUALITY NAME: pharma grade

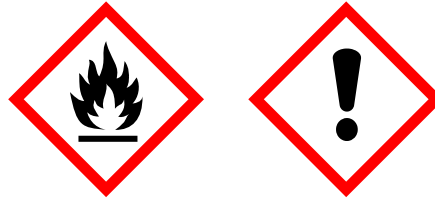
SPECIFICATIONS: Identity according to Pharmacopoeias:: passes test
Density 25/4: 0.760 - 0.790
Viscosity 25°C: 200 - 400 cP*

Maximum limit of impurities
Non-volatile matter: 9.0 - 10.7 %
Ethanol (G.C.) w/w: 18.0 - 22.0 %
2-Propanol (G.C.) w/w: 3.5 %
Elemental impurities according to ICH Q3D guide:
No metal catalysts are used in the manufacturing

process. Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

* At the moment of the batch analysis

HAZARD PICTOGRAMS



UN:	2059
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 EUH019 H302 EUH066 H336
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P261 P264 P270 P271 P280

P301+P312
P303+P361+P353
P304+P340
P312
P330
P370+P378
P403+P233
P403+P235
P405

MASTER NAME: Collodion Castor

CS: 3912 20 11 90

Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade

2-Hydroxy-1,2,3-Propanetricarboxylic acid

Assay (Acidim.) calc. a.d.s.: 99.5-100.5%

CODE 141808

CAS 77-92-9

MOLECULAR FORMULA $C_6H_8O_7$

MOLAR MASS 192.13 g/mol

Packs sizes (3)



CODE
141808.1211

PACKAGING SIZE
1000 g



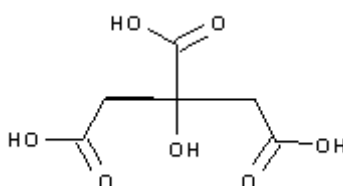
CODE
141808.1214

PACKAGING SIZE
5 kg



CODE
141808.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 153 °C

SOLUBILITY: water 622 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141808

PRODUCT NAME: Citric Acid anhydrous (USP, BP, Ph. Eur., JP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.d.s.: 99.5-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.01%

Colour of solution: passes test

Residual solvents (Ph.Eur/USP): passes test

Oxalate (C₂O₄): 0.035%

Water (H₂O): 0.5 %

Heavy metals (as Pb): 0.001%

Ba: passes test

Ca: 0.02 %

Mg: 0.005 %

HAZARD PICTOGRAMS



WGK:

1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

P PHRASES: P264
P280
P305+P351+P338
P337+P313

MASTER NAME: Citric Acid anhydrous

SYNONYMS LONG TEXT: 2-Hydroxy-1,2,3-Propanetricarboxylic acid

EINECS: 201-069-1

CS: 2918 14 00 00

Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade

2-Hydroxy-1,2,3-Propanetricarboxylic Acid

Assay (Acidim.) calc. a.a.s.: 99.5-100.5%

CODE

141018

CAS

5949-29-1

MOLECULAR FORMULA

C₆H₈O₇.H₂O

MOLAR MASS

210.14 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
141018.1211

PACKAGING SIZE
1000 g



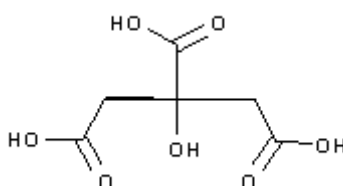
CODE
141018.1214

PACKAGING SIZE
5 kg



CODE
141018.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 135 °C

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141018

PRODUCT NAME: Citric Acid 1-hydrate (USP, BP, Ph. Eur., JP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.a.s.: 99.5-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.01%

Colour of solution: passes test

Residual solvents (Ph.Eur/USP): passes test

Oxalate (C₂O₄): 0.035%

Water (H₂O): 7.5-8.8 %

Heavy metals (as Pb): 0.0010 %

Ba: passes test

Ca: 0,02 %

Mg: 0,005 %

HAZARD PICTOGRAMS



WGK:

1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

P PHRASES: P264
P280
P305+P351+P338
P337+P313

MASTER NAME: Citric Acid 1-hydrate

SYNONYMS LONG TEXT: 2-Hydroxy-1,2,3-Propanetricarboxilic Acid

EINECS: 201-069-1

CS: 2918 14 00 00

Chloramine T 3-hydrate pure

Sodium 4-Toluenesulphonechloramide, Sodium N-Chlorotoluene-4-Sulphonamide, Sodium Tosylchloramide

Assay (Iodom.): 98.0-103.0%

CODE

142323

CAS

7080-50-4

MOLECULAR FORMULA

$C_7H_7ClNNaO_2S \cdot 3H_2O$

MOLAR MASS

281.69 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

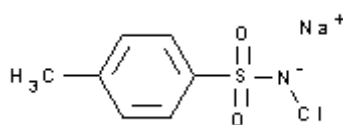
CODE

142323.1209

PACKAGING SIZE

250 g

Product active until stock lasts.



① Technical data

MELTING POINT:

167 - 170 °C

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE: 142323

PRODUCT NAME: Chloramine T 3-hydrate pure

QUALITY NAME: pure

SPECIFICATIONS: Assay (Iodom.): 98.0-103.0%
Identity: IR passes test
pH of 5% solution: 8.0-11.0
Insoluble matter in C₂H₅OH: 1.5 %
Insoluble matter in H₂O: passes test
ortho-Compound: passes test
Only for use as laboratory reagent.

HAZARD PICTOGRAMS



UN: 3263

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 2

STORAGE: Storage between +2 and +8°C .

SIGNAL WORD: Danger

GHS SYMBOLS: GHS07
GHS05
GHS08

H PHRASES: H302
EUH031
H314
H334

P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P501 P342+P311 P405
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MASTER NAME:	Chloramine T 3-hydrate
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SYNONYMS LONG TEXT:	Sodium 4-Toluenesulphonchloramide, Sodium N-Chlorotoluene-4-Sulphonamide, Sodium Tosylchloramide
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EINECS:	204-854-7
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CS:	2935 90 90 99
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INDEX NR.:	616-010-00-9
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D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade

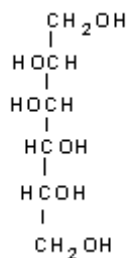
Cordycepic Acid, D-Mannite

Assay (calc. a.d.s.): 97.0 - 102.0 %

CODE	142067
CAS	69-65-8
MOLECULAR FORMULA	C ₆ H ₁₄ O ₆
MOLAR MASS	182.17 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 142067.1210	PACKAGING SIZE 500 g	
	CODE 142067.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 142067.0914	PACKAGING SIZE 5 kg	
	CODE 142067.0416	PACKAGING SIZE 25 kg	



i Technical data

MELTING POINT: 166 °C

SOLUBILITY: water 156 g/l at 18 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142067

PRODUCT NAME: D(-)-Mannitol (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (calc. a.d.s.): 97.0 - 102.0 %
 Identity according to Pharmacopoeias:: passes test
 Melting range: 165-170°C
 Specific rotation α 20/D c=8 (in B4O7Na2.10H2O 10%): +23 - +25°

Maximum limit of impurities

Appearance of solution (Ph-Eur): passes test

Appearance of solution (USP): passes test

Alkalinity: 0.006 meq/g

Insoluble matter in H2O: 0.01 %

Loss on drying at 105°C: 0.2%

Residue on ignition (as SO4): 0.1 %

Sugars Reducing (as C6H12O6): 0.1 %

Conductivity at 25°C (c=20% w/v in H2O): 20 uS.cm-1

Related substances:

Residual solvents (Ph.Eur/USP): passes test

D (-)-Sorbitol: 2.0 %

Isomalt + Maltitol: 2.0 %

Unspecified impurities: 0.10 %

Total impurities: 2.0 %

Water (H₂O): 0.5 %

Total combined yeast and moulds (TYMC): 100
cfu/ml

Total aerobic microbial count (TAMC): 1000 cfu/g

Salmonella: absence/10g

Escherichia coli: absence/g

Ni: 0.0001 %

WGK:

nwg

STORAGE:

Room Temperature.

MASTER NAME:

D(-)-Mannitol

SYNONYMS LONG TEXT:

Cordycepic Acid, D-Mannite

EINECS:

200-711-8

CS:

2905 43 00 00

D(-)-Fructose (USP, BP, Ph. Eur.) pharma grade, BioChemica

D-Levulose

Assay (as C₆H₁₂O₆): 99.0-102.0%

CODE

142728

CAS

57-48-7

MOLECULAR FORMULA

C₆H₁₂O₆

MOLAR MASS

180.16 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142728.1210

500 g



CODE

PACKAGING SIZE

142728.1214

5 kg

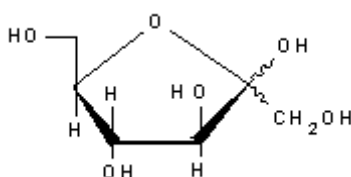


CODE

PACKAGING SIZE

142728.0416

25 kg



① Technical data

MELTING POINT: 105 °C

SOLUBILITY: water 3,750 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142728

PRODUCT NAME: D(-)-Fructose (USP, BP, Ph. Eur.) pharma grade,
BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (as C₆H₁₂O₆): 99.0-102.0%
Identity according to Pharmacopoeias:: passes
test
pH sol. 10 %: 4.5 - 7.0
Specific rotation α 20/D c=10 (in H₂O): -91.0 -
-93.5°

Maximum limit of impurities

Appearance and colour of solution: passes test

Acidity: passes test

Loss on drying at 70°C: 0.5%

Residue on ignition (as SO₄): 0.1 %

Sugars Foreign sugars: passes test

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.005%

Residual solvents (Ph.Eur/USP): passes test

Absorbance UV (1 cm cell; Ref.:Water)

ABS at 260 nm 0,1 M sol in water: 0.04

ABS at 280 nm 0,1 M sol in water: 0.05

Calcium and magnesium (as Ca): 0.005%

Hydroxymethylfurfural and related compounds:
passes test

Water (H₂O): 0.5 %

Ba: passes test

Ca: 0,002 %

Mg: 0,002 %

Pb: 0,00005 %

WGK:	nwg
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STORAGE:	Room Temperature.
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MASTER NAME:	D(-)-Fructose
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SYNONYMS LONG TEXT:	D-Levulose
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EINECS:	200-333-3
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CS:	1702 50 00 00
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Copper(II) Sulfate anhydrous pure

Assay (Iodom.): 98%

CODE

142726

CAS

7758-98-7

MOLECULAR FORMULA

CuSO_4

MOLAR MASS

159.60 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142726.1209

250 g



CODE

PACKAGING SIZE

142726.1214

5 kg

Technical data

SOLUBILITY: water 203 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142726

PRODUCT NAME: Copper(II) Sulfate anhydrous pure

QUALITY NAME: pure

SPECIFICATIONS: Assay (Iodom.): 98%

Insoluble matter in H₂O: passes test

Loss on drying at 250°C: 1%

Chloride (Cl): 0.015%

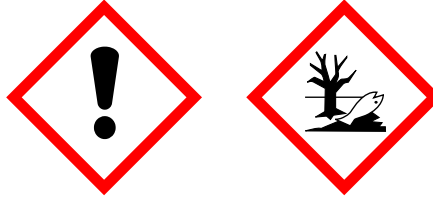
As: 0,0005 %

Fe: 0,015 %

Ni: 0,01 %

Pb: 0,01 %

HAZARD PICTOGRAMS



UN: 3077

CLASS/PG: 9/III

ADR: 9/III

IMDG: 9/III

IATA: 9/III

WGK: 2

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07
GHS09

H PHRASES: H302
H319
H315
H410

P PHRASES: P264
P270
P273
P280
P301+P312
P501
P302+P352

P305+P351+P338

P321

P330

P332+P313

P337+P313

P362

P391

MASTER NAME:

Copper(II) Sulphate anhydrous

EINECS:

231-847-6

CS:

2833 25 00 00

INDEX NR.:

029-004-00-0

Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure, pharma grade

Assay (Iodom.): 99.0-100.5%

CODE	141270
CAS	7758-99-8
MOLECULAR FORMULA	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
MOLAR MASS	249.68 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 141270.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
141270.0416	25 kg

① Technical data

SOLUBILITY: water 330 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141270

PRODUCT NAME: Copper(II) Sulfate 5-hydrate (BP, Ph. Eur.) pure,
pharma grade

QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Iodom.): 99.0-100.5% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Appearance: passes test Insoluble matter in H2O: 0.025 % Loss on drying at 250°C: 35.0-36.5 % Chloride (Cl): 0.01% Residual solvents (Ph.Eur.): passes test Fe: 0.01 % Pb: 0.002 %

HAZARD PICTOGRAMS



UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS09
H PHRASES:	H302 H318 H410

P PHRASES:	P264
	P270
	P273
	P280
	P301+P312
	P330
	P337+P313
	P391
	P310
	P501

MASTER NAME:	Copper(II) Sulphate 5-hydrate
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EINECS:	231-847-6
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CS:	2833 25 00 80
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INDEX NR.:	029-004-00-0
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Collodion solution 4% w/v (USP) pure, pharma grade

Minimum assay (w/w): 5.0%

CODE

141278

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141278.1609	PACKAGING SIZE 250 ml
	CODE 141278.1611	PACKAGING SIZE 1000 ml
	CODE 141278.0616	PACKAGING SIZE 25 l

Technical data

BOILING POINT: 34.6 °C 1,000 hPa

DENSITY: 0.770 kg/l

SOLUBILITY: Inmiscible with water.

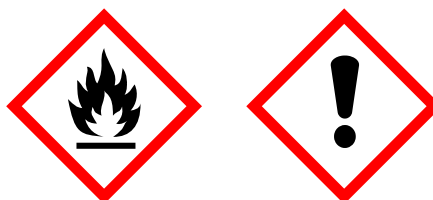
PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141278

PRODUCT NAME: Collodion solution 4% w/v (USP) pure, pharma

	grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Minimum assay (w/w): 5.0% Identity according to Pharmacopoeias:: passes test Density 25/25: 0.765-0.775 Maximum limit of impurities Acidity: passes test Residual solvents (USP): passes test Ethanol: 22.0-26.0 % Elemental impurities according to ICH Q3D guide: No metal catalysts are used in the manufacturing process. Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

HAZARD PICTOGRAMS



UN:	2059
CLASS/PG:	3/I
ADR:	3/I
IMDG:	3/I
IATA:	3/I
STORAGE:	Storage below 30°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H224 EUH019 H302 EUH066 H336

P PHRASES:

P210
P233
P240
P241
P242
P501
P243
P261
P264
P270
P271
P280
P301+P312
P303+P361+P353
P304+P340
P312
P330
P370+P378
P403+P233
P403+P235
P405

MASTER NAME:

Collodion solution

CS:

3912 20 11 90

D(+)-Galactose (Ph. Eur.) low endotoxin pure, pharma grade

Assay (HPLC; calc. anhydr. subst.): 98.0 - 102.0 %

CODE	Z42173
CAS	59-23-4
MOLECULAR FORMULA	C ₆ H ₁₂ O ₆
MOLAR MASS	180.16 g/mol

Packs sizes (1)

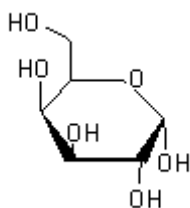


CODE

PACKAGING SIZE

CODE
Z42173.0914

PACKAGING SIZE
5 kg



Technical data

SOLUBILITY: 650 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	Z42173
PRODUCT NAME:	D(+)-Galactose (Ph. Eur.) low endotoxin pure, pharma grade
SPECIFICATIONS:	Endotoxin test: max. 10 I.U./g Assay (HPLC; calc. anhydr. subst.): 98.0 - 102.0 % Appearance of solution: passes test Identity: passes test Acidic/alkaline react. subst.: passes test Sulfated ash: max. 0.1 % Total aerobic microbial count: max. 100 CFU/g Protein: max. 0.1 mg/mL α 20°C/D; 10 %, H ₂ O: +78° - +81.5° Water (K.F.): max. 1.0 % Related subst. (HPLC) Total impurities: max. 2.0 % Each individual impurity: max. 0.3 % Sum of impurity A + B: max. 1.0 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-416-4
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CS:	29400000
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D(+)-Glucose 1-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Dextrose, D-Glucopyranose, Grape sugar

Assay (C₆H₁₂O₆): 97.5 - 102.0 %

CODE

143140

CAS

77938-63-7

MOLECULAR FORMULA

C₆H₁₂O₆.H₂O

MOLAR MASS

198.17 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

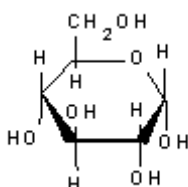
CODE
143140.1211

PACKAGING SIZE
1000 g



CODE
143140.0416

PACKAGING SIZE
25 kg



 Technical data

MELTING POINT: 83 °C

SOLUBILITY: water 820 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 143140

PRODUCT NAME: D(+)-Glucose 1-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (C₆H₁₂O₆): 97.5 - 102.0 %
Identity according to Pharmacopoeias:: passes test
Specific rotation α 20/D c=10 (in H₂O): +52.5 - +53.3°

Maximum limit of impurities

Appearance and colour of solution: passes test

Insoluble matter in H₂O: 0.01 %

Residual solvents (Ph.Eur/USP): passes test

Conductivity (20 % aq. Sol. 25°C): 20 us/cm

Related substances:

Maltotriose: 0.2 %

Fructose: 0.15 %

Maltose + Isomaltose: 0.4 %

Unspecified impurities: 0.10 %

Total impurities: 0.5 %

Dextrin: passes test

Soluble starch and sulfites (as SO₂): 0.0015%

Water (H₂O): 7.5-9.5 %

Heavy metals (as Pb): 0.0005%

Ca: 0.02 %

Fe: 0.0005 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: D(+)-Glucose 1-hydrate

SYNONYMS LONG TEXT: Dextrose, D-Glucopyranose, Grape sugar

EINECS: 200-075-1

CS: 1702 30 50 10

D(+)-Biotin (USP) pure, pharma grade

Assay: 98.5 - 101.0 %

CODE

143977

CAS

58-85-5

MOLECULAR FORMULA

$C_{10}H_{16}N_2O_3S$

MOLAR MASS

244.31 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

143977.1603

1 g

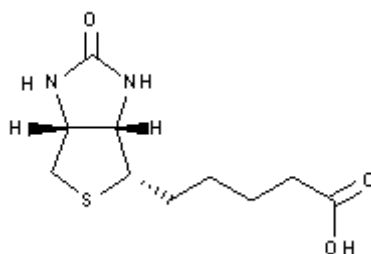


CODE

PACKAGING SIZE

143977.1607

50 g



① Technical data

SOLUBILITY:

0.2 g/L (H₂O)

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	143977
PRODUCT NAME:	D(+)-Biotin (USP) pure, pharma grade
SPECIFICATIONS:	Assay: 98.5 - 101.0 % α 25°C/D; 2 %, 0.1 N NaOH: +89° - +93° Residual solvents (Ph. Eur./USP): passes test Identity: passes test Related subst. (HPLC) Individual impurity: max. 1.0 % Total impurities: max. 2.0 %
WGK:	1
STORAGE:	2 - 8°C
EINECS:	200-399-3
CS:	29362900

D(-)-Mannitol low endotoxin, (Ph. Eur., BP, USP, JP) pure, pharma grade

Assay (HPLC, calc. on dried subst.): 97.0 - 102.0 %

CODE

A4831

CAS

69-65-8

MOLECULAR FORMULA

C₆H₁₄O₆

MOLAR MASS

182.17 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

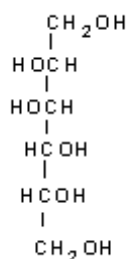
CODE
A4831,1000

PACKAGING SIZE
1 kg



CODE
A4831,5000

PACKAGING SIZE
5 kg



SOLUBILITY: 156 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A4831

PRODUCT NAME: D(-)-Mannitol low endotoxin, (Ph. Eur., BP, USP, JP)
pure, pharma grade

SPECIFICATIONS: Endotoxins: max. 1 I.U./g
Assay (HPLC, calc. on dried subst.): 97.0 - 102.0 %
Appearance of solution: passes test
Identity: passes test
Conductivity (20 %; H₂O; 25°C): max. 20 µS/cm
Red. sugars (as Glc): max. 0.1 %
Heavy metals (as Pb): max. 0.0005 %
Loss on drying (4 h; 105°C): max. 0.5 %
Melting point: 165 - 170°C
Salmonella: negative
E. coli: negative
Total aerobic microbial count: max. 1000 CFU/g
Colony count (yeasts & moulds): max. 100 CFU/g
Ni: max. 0.0001 %
Related subst. (HPLC)
Impurity A: max. 2.0 %
Sum of impurity B + C: max. 2.0 %
Any unspecified impurity: max. 0.10 %
Total impurities: max. 2.0 %

WGK: 1

STORAGE: RT

EINECS: 200-711-8

CS: 29054300

D(-)-Sorbitol (Ph. Eur., USP-NF) pure, pharma grade

Assay (HPLC, dried subst.): 97.0 - 100.5 %

CODE	A2222
CAS	50-70-4
MOLECULAR FORMULA	C ₆ H ₁₄ O ₆
MOLAR MASS	182.18 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
A2222,1000	1 kg

Technical data

SOLUBILITY: 2350 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A2222

PRODUCT NAME: D(-)-Sorbitol (Ph. Eur., USP-NF) pure, pharma grade

SPECIFICATIONS: Assay (HPLC, dried subst.): 97.0 - 100.5 %
Appearance of solution: passes test
Identity: passes test
Red. sugars: max. 0.2 %

Sulfated ash: max. 0.1 %
Total aerobic microbial count (TAMC): max. 1000 CFU/g
Colony count (yeasts & moulds) (TYMC): max. 100 CFU/g
pH (10 %; H₂O): 3.5 - 7.0
Conductivity (20 %; H₂O dest.): max. 20 µS/cm
E. coli: negative
Salmonella: negative
Water (K.F.): max. 1.5 %
Ni: max. 0.0001 %
Related subst. (HPLC)
Each individual impurity: max. 2.0 %
Total impurities: max. 3.0 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-061-5
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CS:	29054491
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Dextran 70 (Ph. Eur.) pure, pharma grade

CODE	A8479
CAS	9004-54-0
MOLECULAR FORMULA	$(C_6H_{10}O_5)_n$
MOLAR MASS	~70000 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A8479,5000

5 kg

Technical data

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A8479

PRODUCT NAME: Dextran 70 (Ph. Eur.) pure, pharma grade

SPECIFICATIONS:

- Appearance of solution: passes test
- Identity: passes test
- Acidic/alkaline react. subst.: passes test
- Bacterial endotoxins: max. 16 IU/g
- Total viable counts: max. 100 CFU/g
- Loss on drying (5 h; 105°C): max. 7.0 %
- Sulfated ash: max. 0.3 %
- Nitrogen-containing subst. (as N): max. 0.0110 %
- Average M: 64000 - 76000
- Molecular mass (10 % high fraction): max. 185000

Molecular mass (10 % low fraction): min. 15000
Residual solvents (GC): passes test

WGK: 2

STORAGE: RT

EINECS: 232-677-5

CS: 39139000

D(+)-Xylose (BP, Ph. Eur.) pure, pharma grade

D-Xilopyranose, Wood Sugar

CODE	142080
CAS	58-86-6
MOLECULAR FORMULA	$C_5H_{10}O_5$
MOLAR MASS	150.13 g/mol

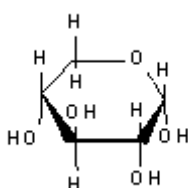
Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 142080.1208	PACKAGING SIZE 100 g
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Product active until stock lasts.



① Technical data

MELTING POINT:	153 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	142080
PRODUCT NAME:	D(+)-Xylose (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test Specific rotation α 20/D c=10 (in H₂O): +18.5 - +19.5° Maximum limit of impurities Appearance of solution: passes test Acidity or alkalinity: passes test Insoluble matter in H₂O: passes test Loss on drying at 105°C: 0.5% Residue on ignition (as SO₄): 0.1 % Chloride (Cl): 0.01% Sulfate (SO₄): 0.01% Residual solvents (Ph.Eur.): passes test Heavy metals (as Pb): 0.002% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1,300 ppm As: 0.0001 %
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	D(+)-Xylose
SYNONYMS LONG TEXT:	D-Xilopyranose, Wood Sugar
EINECS:	200-400-7
CS:	2940 00 00 20

D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade

b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar

CODE	141621
CAS	57-50-1
MOLECULAR FORMULA	$C_{12}H_{22}O_{11}$
MOLAR MASS	342.30 g/mol

Packs sizes (3)



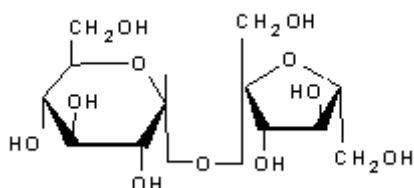
CODE	PACKAGING SIZE
CODE 141621.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141621.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141621.0416	PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 186 °C

SOLUBILITY: water 1,970 g/l at 15 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141621

PRODUCT NAME: D(+)-Sucrose (USP-NF, BP, Ph. Eur., JP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes test
Specific rotation α 25/D c=26 (in H₂O): > +65.9°
Specific rotation α 20/D c=26 (in H₂O): +66.3 - +67.0°

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Loss on drying at 105°C: 0.1%

Residue on ignition (as SO₄): 0.02 %

Sugars Reducing: passes test

Chloride (Cl): 0.0035%

Sulfate (SO₄): 0.006%

Sulfite (SO₂): 0.0010%

Specific conductance at 20°C: 35x10⁻⁶ ohm⁻¹ cm⁻¹

Inverted sugar: passes test

Colour value: 45

Residual solvents (Ph.Eur/USP): passes test

Dextrin: passes test

Heavy metals (as Pb): 0.0005%

Ba: passes test

Ca: passes test

Fe: 0.0005 %

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Saccharose
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SYNONYMS LONG TEXT:	b-D-Fructofuranosyl-a-D-Glucopyranoside, Sucrose, Sugar
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EINECS:	200-334-9
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CS:	1701 99 90 00
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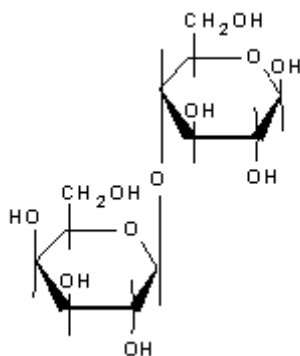
D(+)-Lactose 1-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade

4-O-b-D-Galactopyranosyl-D-Glucose, Milk sugar

CODE	141375
CAS	10039-26-6
MOLECULAR FORMULA	C ₁₂ H ₂₂ O ₁₁ .H ₂ O
MOLAR MASS	360.32 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141375.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 141375.1211	PACKAGING SIZE 1000 g	
	CODE 141375.0914	PACKAGING SIZE 5 kg	



Technical data

MELTING POINT: 202 °C

SOLUBILITY: water 216 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141375

PRODUCT NAME: D(+)-Lactose 1-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes test
Specific rotation α 20/D c= 10 (in H₂O): +54.4 - +55.9°

Maximum limit of impurities

ABS λ 270-300 nm 1% sol. in H₂O: 0.07

ABS λ 400 nm 10% sol. in H₂O: 0.04

ABS λ 210-220 nm 1% sol. in H₂O: 0.25

Appearance of solution: passes test

Acidity or alkalinity: passes test

Insoluble matter in H₂O: passes test

Loss on drying at 80°C: 0.5%

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.01%

Sulfate (SO4): 0.02%
Residual solvents (Ph.Eur/USP): passes test
Water (H2O): 4.5-5.5 %
Total aerobic microbial count (TAMC): 100 cfu/ml
Yeasts and molds: 50 cfu/g
Escherichia coli: negative
Salmonella: negative
Microbial limits:: negative
Heavy metals (as Pb): 0.0005%
Product obtained from animal milk with collection
in the same conditions that the milk obtained for
human consumption.

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: Lactose 1-hydrate

SYNONYMS LONG TEXT: 4-O-b-D-Galactopyranosyl-D-Glucose, Milk sugar

EINECS: 200-559-2

CS: 1702 19 00 00

D(+)-Glucose anhydrous (USP, BP, Ph. Eur.) pharma grade, BioChemica

Dextrose, D-Glucopyranose, Grape sugar

Assay (as C₆H₁₂O₆): 97.5 - 102.0 %

CODE 141341

CAS 50-99-7

MOLECULAR FORMULA C₆H₁₂O₆

MOLAR MASS 180.16 g/mol

Packs sizes (4)



CODE PACKAGING SIZE

CODE 141341.1210 PACKAGING SIZE 500 g

Product active until stock lasts.



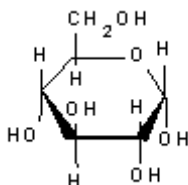
CODE 141341.1211 PACKAGING SIZE 1000 g



CODE 141341.0914 PACKAGING SIZE 5 kg



CODE 141341.0416 PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 146 °C

SOLUBILITY: water 900 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141341

PRODUCT NAME: D(+)-Glucose anhydrous (USP, BP, Ph. Eur.)
pharma grade, BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (as C₆H₁₂O₆): 97.5 - 102.0 %
Identity according to Pharmacopoeias:: passes test
pH sol. 10 %: 4.5 - 7.0
Specific rotation α 20/D c=10 (in H₂O): +52.6 - +53.2°

Maximum limit of impurities

ABS λ 280 nm 0.5M sol. in water: 0.05

ABS λ 260 nm 0.5M sol. in water: 0.05

Appearance and colour of solution: passes test

Acidity or alkalinity: passes test

Insoluble matter in H₂O: 0.01 %

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.01 %

Sulfate (SO₄): 0.02 %

Residual solvents (Ph.Eur/USP): passes test

Soluble starch and sulfites (as SO₂): 0.0015 %

Related substances:

Fructose: 0.15 %
Maltose + Isomaltose: 0.4 %
Maltotriose: 0.2 %
Unspecified impurities: 0.10 %
Total impurities: 0.5 %
Conductivity (20 % aq. Sol. 25°C): 20 uS/cm
Dextrin: passes test
Water (H2O): 0.5 %
Heavy metals (as Pb): 0.0005 %
Ba: passes test
Ca: 0,02 %
Fe: 0,0005 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: D(+)-Glucose anhydrous

SYNONYMS LONG TEXT: Dextrose, D-Glucopyranose, Grape sugar

EINECS: 200-075-1

CS: 1702 30 50 10

di-Sodium tetra-Borate 10-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade

Borax, Sodium Borate

Assay (Acidim.): 99.0-103.0%

CODE

141644

CAS

1303-96-4

MOLECULAR FORMULA

$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

MOLAR MASS

381.37 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141644.1211

1000 g



CODE

PACKAGING SIZE

141644.0416

25 kg

① Technical data

MELTING POINT:

75 °C

SOLUBILITY:

water 50 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

141644

PRODUCT NAME: di-Sodium tetra-Borate 10-hydrate (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 99.0-103.0%
Identity according to Pharmacopoeias:: passes test
pH of 4% solution: 9.0-9.6

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: 0.025 %
Chloride (Cl): 0.005%
Ammonium (NH₄): 0.001%
Phosphate (PO₄): 0.005 %
Sulfate (SO₄): 0.005%
Residual solvents (Ph.Eur/USP): passes test
Carbonate and Hydrogen Carbonate: passes test
Heavy metals (as Pb): 0.002%
Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)
Class 1A (Pt, Pd): 10 ppm
Class 1B (Ir, Rh, Ru, Os): 10 ppm
Class 1C (Mo, Ni, Cr, V): 25 ppm
Class 2 (Cu, Mn): 250 ppm
Class 3 (Fe, Zn): 1,300 ppm
Ca: 0.01 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS08

H PHRASES: H360FD

P PHRASES:	P201 P202 P281 P308+P313 P405 P501
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MASTER NAME:	di-Sodium tetra-Borate 10-hydrate
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SYNONYMS LONG TEXT:	Borax, Sodium Borate
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EINECS:	215-540-4
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CS:	2840 19 90 00
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di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade

Sodium Phosphate , secondary, Sodium Phosphate di-Basic

Assay (Acidim.) calc. a.d.s.: 98.0-100.5%

CODE 141679

CAS 7558-79-4

MOLECULAR FORMULA Na_2HPO_4

MOLAR MASS 141.96 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141679.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141679.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141679.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY: water 75 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141679
PRODUCT NAME:	di-Sodium Hydrogen Phosphate anhydrous (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 98.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 8.7-9.4 Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H2O: 0.025 % Reducing substance to KMnO4: passes test Loss on drying at 105°C: 1.0 % Loss on drying at 130°C (USP): 5.0 % Chloride (Cl): 0.005% Nitrogen compounds (as N): 0.003% Sulfate (SO4): 0.03% Residual solvents (Ph.Eur/USP): passes test Sodium di-Hydrogen Phosphate: passes test As: 0.0001 % Fe: 0.002 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Sodium Hydrogen Phosphate anhydrous
SYNONYMS LONG TEXT:	Sodium Phosphate , secondary, Sodium Phosphate di-Basic
EINECS:	231-448-7
CS:	2835 22 00 00

di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Sodium mono-Hydrogen Phosphate, Sodium Phosphatesecondary

Assay (Acidim.) (calc. a.a.s): 98.0-100.5%

CODE

142507

CAS

10028-24-7

MOLECULAR FORMULA

$\text{Na}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$

MOLAR MASS

177.99 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142507.1211

1000 g



CODE

PACKAGING SIZE

142507.0914

5 kg



CODE

PACKAGING SIZE

142507.0416

25 kg

① Technical data

MELTING POINT:

95 °C

SOLUBILITY:

water 93 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142507
PRODUCT NAME:	di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (calc. a.a.s): 98.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 8.7-9.4 Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H2O: 0.025 % Reducing substances: passes test Loss on drying at 130°C: 19.5-21.0 % Chloride (Cl): 0.003% Nitrogen compounds (as N): 0.003% Sulfate (SO4): 0.01% Residual solvents (Ph.Eur.): passes test Sodium di-Hydrogen Phosphate: passes test As: 0.0001 % Fe: 0.002 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Sodium Hydrogen Phosphate 2-hydrate
SYNONYMS LONG TEXT:	Sodium mono-Hydrogen Phosphate, Sodium Phosphatessecondary
EINECS:	231-448-7
CS:	2835 22 00 00

di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Disodium Phosphate dodecahydrate, Sodium Phosphate di-Basic dodecahydrate, Disodium Phosphate dodecahydrate

Assay (Acidim.) (calc. a.a.s): 98.5-100.5 %

CODE 141678

CAS 10039-32-4

MOLECULAR FORMULA $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$

MOLAR MASS 358.14 g/mol

Packs sizes (3)



CODE
141678.1211

PACKAGING SIZE
1000 g



CODE
141678.1214

PACKAGING SIZE
5 kg



CODE
141678.0416

PACKAGING SIZE
25 kg

① Technical data

MELTING POINT: 34 °C

SOLUBILITY:	water 218 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141678
PRODUCT NAME:	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (calc. a.a.s): 98.5-100.5 % Identity according to Pharmacopoeias:: passes test pH of 5% solution: 8.7-9.4 Maximum limit of impurities Appearance of solution: passes test Insoluble matter in in H2O: 0.025% Reducing substance to KMnO4: passes test Loss on drying at 130°C: 57-61 % Chloride (Cl): 0.003% Nitrogen compounds (as N): 0.003% Sulfate (SO4): 0.01% Residual solvents (Ph.Eur/USP): passes test Sodium di-Hydrogen Phosphate: 2.5 % Water (H2O): 57.0-61.0 % As: 0.0001 % Fe: 0.001 %
WGK:	1
STORAGE:	Not recommended in areas with a very hot climate
MASTER NAME:	di-Sodium Hydrogen Phosphate 12-hydrate
SYNONYMS LONG TEXT:	Disodium Phosphate dodecahydrate, Sodium Phosphate di-Basic dodecahydrate, Disodium Phosphate dodecahydrate
EINECS:	231-448-7
CS:	2835 22 00 00

di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade

Potassium Biphosphate, Potassium Phosphate di-Basic, Potassium Phosphate secondary

Assay (Acidim.) calc. a.d.s.: 98.0-100.5%

CODE	141512
CAS	7758-11-4
MOLECULAR FORMULA	K_2HPO_4
MOLAR MASS	174.18 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141512.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141512.0914	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141512.0716	PACKAGING SIZE 25 kg

① Technical data

SOLUBILITY: water 1,600 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141512
PRODUCT NAME:	di-Potassium Hydrogen Phosphate anhydrous (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 98.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 8.5-9.6 Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H2O: 0.01 % Reducing substance to KMnO4: passes test Loss on drying at 130°C: 1.0% Chloride (Cl): 0.02% Sulfate (SO4): 0.05% Residual solvents (Ph.Eur.): passes test Fluoride (F): 0.001% Potassium di-Hydrogen Phosphate: passes test Fe: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Potassium Hydrogen Phosphate anhydrous
SYNONYMS LONG TEXT:	Potassium Biphosphate, Potassium Phosphate di-Basic, Potassium Phosphate secondary
EINECS:	231-834-5
CS:	2835 24 00 00

EDTA (USP-NF, BP, Ph. Eur) pharma grade, BioChemica

Edetic Acid, EDTA, Ethylenedinitriletetraacetic Acid, N,N'-1,2-EthanediyI-bis[N-(Carboxymethyl) Glycine], Titriplex II

Assay (Compl.): 99.0-100.5 %

CODE 141026

CAS 60-00-4

MOLECULAR FORMULA $C_{10}H_{16}N_2O_8$

MOLAR MASS 292.24 g/mol

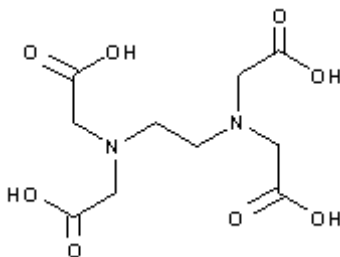
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 141026.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141026.0914	PACKAGING SIZE 5 kg



① Technical data

MELTING POINT: 220 °C

SOLUBILITY: water 0.5 g/l at 25 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141026

PRODUCT NAME: EDTA (USP-NF, BP, Ph. Eur) pharma grade,
BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (Compl.): 99.0-100.5 %
Identity according to Pharmacopoeias:: passes
test

Maximum limit of impurities

Appearance of solution: passes test

Residue on ignition (as SO₄): 0.2 %

Chloride (Cl): 0.02%

Residual solvents (Ph.Eur/USP): passes test

Absorbance UV (1 cm cell)

ABS at 280 nm 0,1 M sol in 1 M NaOH: 0.3

ABS at 260 nm 0,1 M sol in 1 M NaOH: 1.5

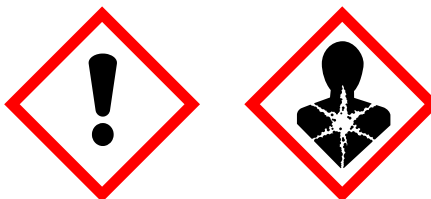
Nitrilotriacetic Acid [(CH₂COOH)₃N]: 0.1%

Water (H₂O): 0.25 %

Heavy metals (as Pb): 0.001%

Fe: 0,001 %

HAZARD PICTOGRAMS



WGK: 2

STORAGE: Storage away from direct light.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07
GHS08

H PHRASES: H319
H332
H373

P PHRASES: P264
P280
P305+P351+P338
P337+P313

MASTER NAME: Ethylenediaminetetraacetic Acid

SYNONYMS LONG TEXT: Edetic Acid, EDTA, Ethylenedinitriletetraacetic
Acid, N,N'-1,2-Ethanediy-bis[N-(Carboxymethyl)
Glycine], Titriplex II

EINECS: 200-449-4

CS: 2922 49 85 90

EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-EthanediyI-bis[N-(Carboxymethyl)Glycine]

Assay (Compl.): 99.0-101.0%

CODE 141669

CAS 6381-92-6

MOLECULAR FORMULA $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$

MOLAR MASS 372.24 g/mol

Packs sizes (3)



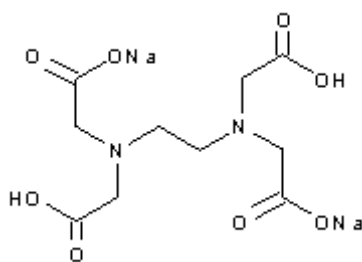
CODE	PACKAGING SIZE
141669.1211	1000 g



CODE	PACKAGING SIZE
141669.0914	5 kg



CODE	PACKAGING SIZE
141669.0416	25 kg



Technical data

MELTING POINT: 248 - 254 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141669

PRODUCT NAME: EDTA Disodium Salt 2-hydrate (USP, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Compl.): 99.0-101.0%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.0-5.0

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Loss on drying at 150°C 6h: 8.7-11.4 %

Chloride (Cl): 0.02%

Sulfate (SO₄): 0.1%

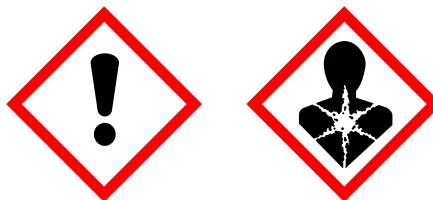
Residual solvents (Ph.Eur/USP): passes test

Nitrilotriacetic Acid [(CH₂COOH)₃N]: 0.1%

Ca: passes test

Fe: 0.0005 %

HAZARD PICTOGRAMS



WGK:

2

STORAGE:

Storage away from direct light.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

GHS08

H PHRASES:

H332

H373

P PHRASES:

P260

P261

P271

P304+P340

P312

P314

P501

MASTER NAME:

Ethylenediaminetetraacetic Acid Disodium Salt
2-hydrate

SYNONYMS LONG TEXT:

Disodium Edetate, Disodium EDTA,
Ethylenedinitriletetraacetic Acid Disodium salt,
N,N'-1,2-Ethanediy-bis[N-(Carboxymethyl)Glycine]

EINECS:

205-358-3

CS:

2922 49 85 90

Diethyl Ether anaesthetic stabilized with ~ 6 ppm of BHT (BP, Ph. Eur.) pharma grade

1,1'-Oxibisethane, Diethyl Ether, Ethoxyethane, Ethyl Ether, Ethyl Oxide, Sulphuric Ether

Minimum assay (G.C.): 99.5%

CODE 192770

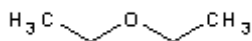
CAS 60-29-7

MOLECULAR FORMULA $C_2H_5OC_2H_5$

MOLAR MASS 74.12 g/mol

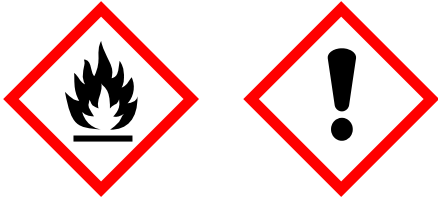
Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 192770.0311	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 192770.0619	PACKAGING SIZE 200 l	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.



① Technical data

MELTING POINT: -116 °C

BOILING POINT:	34.6 °C
DENSITY:	0.715 kg/l
SOLUBILITY:	water 69 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.3526
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	192770
PRODUCT NAME:	Diethyl Ether anaesthetic stabilized with ~ 6 ppm of BHT (BP, Ph. Eur.) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Minimum assay (G.C.): 99.5% Identity according to Pharmacopoeias:: passes test Density 20/20: 0.714-0.716 Range of Distillation: 34.0-35.0°C Maximum limit of impurities Acidity: passes test Non-volatile matter: 0.002 % Peroxides (as H₂O₂): passes test* Odorous substances: passes test Residual solvents (Ph.Eur.): passes test Acetone and aldehydes: passes test Water (H₂O): 0.2 % * At the moment of the batch analysis.
HAZARD PICTOGRAMS	
UN:	1155
CLASS/PG:	3/I
ADR:	3/I

IMDG:	3/I
IATA:	3/I
WGK:	1
STORAGE:	Storage between +8 and +15°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H224 H302 H336 EUH019 EUH066
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P261 P264 P270 P271 P280 P301+P312 P303+P361+P353 P304+P340 P312 P330 P370+P378 P403+P233 P403+P235 P405

MASTER NAME:	Diethyl Ether *stabilized with ~6 ppm of BHT
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SYNONYMS LONG TEXT:	1,1'-Oxibisethane, Diethyl Ether, Ethoxyethane,
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Ethyl Ether, Ethyl Oxide, Sulphuric Ether

EINECS: 200-467-2

CS: 2909 11 00 00

INDEX NR.: 603-022-00-4

Diethanolamine (USP-NF) pharma grade

2,2'-Dioxydiethylamine, 2,2'-Iminodiethanol, Bis(b-Hydroxyethyl)Amine

Assay (Acidim.) calc. a.d.s.: 98.5-101.0%

CODE 191287

CAS 111-42-2

MOLECULAR FORMULA $\text{NH}(\text{CH}_2\text{CH}_2\text{OH})_2$

MOLAR MASS 105.14 g/mol

Packs sizes (1)

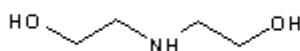


CODE

PACKAGING SIZE

CODE
191287.0716

PACKAGING SIZE
25 l



① Technical data

MELTING POINT: 28 °C

BOILING POINT: 271 °C

DENSITY: 1.09 kg/l

REFRACTIVE INDEX: 20/D 1.4776

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	191287
PRODUCT NAME:	Diethanolamine (USP-NF) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 98.5-101.0% Identity according to Pharmacopoeias:: passes test Freezing point: 27-28°C Refractive Index n 30/D: 1.473-1.476 Maximum limit of impurities Triethanolamine (G.C.): 1.0% Water (H2O): 0.15 %

HAZARD PICTOGRAMS



UN:	1760
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS08
H PHRASES:	H302 H315

P PHRASES:	H318
	H373
	P260
	P264
	P270
	P280
	P301+P312
	P302+P352
	P305+P351+P338
	P310
	P314
	P321
	P330
	P332+P313
	P362
	P501

MASTER NAME:	Diethanolamine
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SYNONYMS LONG TEXT:	2,2'-Dioxydiethylamine, 2,2'-Iminodiethanol, Bis(b-Hydroxyethyl)Amine
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EINECS:	203-868-0
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CS:	2922 12 00 00
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INDEX NR.:	603-071-00-1
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Dichloromethane stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade

Methylene Chloride, Methylene Dichloride

Minimum assay (G.C.): 99.5%

CODE 141254

CAS 75-09-2

MOLECULAR FORMULA CH_2Cl_2

MOLAR MASS 84.93 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

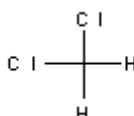
CODE
141254.0616

PACKAGING SIZE
25 l



CODE
141254.0619

PACKAGING SIZE
200 l



MELTING POINT:	-95 °C
BOILING POINT:	39.75 °C
DENSITY:	1.324 kg/l
SOLUBILITY:	water 20 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.4244
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141254
PRODUCT NAME:	Dichloromethane stabilized with ~ 20 ppm of amylene (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Minimum assay (G.C.): 99.5% Identity according to Pharmacopoeias:: passes test Density 25/25: 1.318-1.322 Density 20/20: 1.320-1.332 Refractive Index n 20/D: 1.423-1.425 Maximum limit of impurities Appearance: passes test Acidity (as HCl): 0.001% Non-volatile matter: 0.002 % Chlorine Free (Cl): passes test Chloride (Cl): 0.0003% Residual solvents (Ph.Eur/USP): passes test Ethanol, 2-Methyl-2-Butene and volatile impurities (v/v) : Ethanol: 0.5% 2-Methyl-2-Butene: 0.03% Carbon Tetrachloride: 0.001% Trichloromethane: 0.005% Total of impurities other than ethanol and 2-Methyl-2-Butene: 0.1% Water (H2O): 0.02 %

HAZARD PICTOGRAMS



UN:	1593
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	2
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS08
H PHRASES:	H351
P PHRASES:	P201 P202 P281 P308+P313 P405 P501

MASTER NAME:	Dichloromethane *stabilized with amylene
SYNONYMS LONG TEXT:	Methylene Chloride, Methylene Dichloride
EINECS:	200-838-9
CS:	2903 12 00 00
INDEX NR.:	602-004-00-3

Ethanol absolute (Ph. Eur., USP) pure, pharma grade

Assay (v/v): min. 99.5 %

CODE

A4230

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (3)



CODE

CODE

A4230,1000GL

PACKAGING SIZE

PACKAGING SIZE

1 L

Product active until stock lasts.



CODE

A4230,1000PE

PACKAGING SIZE

1 L

Product active until stock lasts.

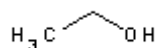


CODE

A4230,2500PE

PACKAGING SIZE

2.5 L



i Technical data

REFRACTIVE INDEX: n₂₀/D 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A4230

PRODUCT NAME: Ethanol absolute (Ph. Eur., USP) pure, pharma grade

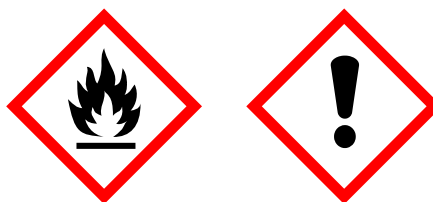
HEADLINE COMMENT: This ethanol is intended for consumers in Germany only. The product may only be purchased at AppliChem Darmstadt.

SPECIFICATIONS:

Assay (v/v): min. 99.5 %
Assay (w/w): min. 99.2 %
Appearance: passes test
Volatile impurities (GC): passes test
Identity: passes test
Non-volatile matter: max. 25 mg/L
Density (d 15.56°C/15.56°C): max. 0.7962
Density (d 20°C/20°C): 0.790 - 0.793
Acidic/alkaline react. subst.: max. 0.003 % (as AcOH)
Sum of further impurities: max. 0.03 %
Acetaldehyde and Acetal: max. 0.001 % (v/v)
Benzene: max. 0.0002 % (v/v)
Methanol: max. 0.02 % (v/v)
Absorption (5 cm/water HPLC grade)
240 nm: max. 0.40
250 - 260 nm: max. 0.30
270 - 340 nm: max. 0.10
Elemental impurities (according to ICH Q3D):
Class 1 (Cd): max. 0.5 ppm
Class 2B (Au): max. 10 ppm
Class 2B (Rh): max. 10 ppm
Class 2A (Co): max. 5 ppm
Class 3 (Li): max. 55 ppm
Class 1 (Pb): max. 0.5 ppm
Class 1 (As): max. 1.5 ppm
Class 1 (Hg): max. 1.5 ppm
Class 2A (V): max. 10 ppm
Class 2A (Ni): max. 20 ppm
Class 2B (Tl): max. 0.8 ppm

Class 2B (Pd): max. 10 ppm
Class 2B (Ir): max. 10 ppm
Class 2B (Os): max. 10 ppm
Class 2B (Ru): max. 10 ppm
Class 2B (Pt): max. 10 ppm
Class 2B (Se): max. 15 ppm
Class 2B (Ag): max. 15 ppm
Class 3 (Sb): max. 120 ppm
Class 3 (Ba): max. 140 ppm
Class 3 (Mo): max. 25 ppm
Class 3 (Cr): max. 25 ppm
Class 3 (Cu): max. 250 ppm
Class 3 (Sn): max. 600 ppm

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P241

P280
P305+P351+P338
P501

EINECS: 200-578-6

CS: 22071000

INDEX NR.: 603-002-00-5

Ethanol absolute (USP, BP, Ph.Eur.) pharma grade

Ethyl Alcohol

Minimum assay (G.C.) (v/v): 99.5%

CODE	191086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (9)

	CODE	PACKAGING SIZE
	CODE 191086.1211	PACKAGING SIZE 1000 ml
	CODE 191086.1611	PACKAGING SIZE 1000 ml
	CODE 191086.1212	PACKAGING SIZE 2.5 l
	CODE 191086.1612	PACKAGING SIZE 2.5 l



CODE
191086.1214

PACKAGING
SIZE
5 l



CODE
191086.9914

PACKAGING
SIZE
5 l



CODE
191086.0716

PACKAGING
SIZE
25 l



CODE
191086.0819

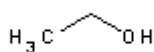
PACKAGING
SIZE
200 l

Product discontinued. Alternative
191086.3619 (please check specifications).



CODE
191086.3619

PACKAGING
SIZE
200 l



① Technical data

MELTING POINT:	-114.1 °C
BOILING POINT:	78.5 °C
DENSITY:	0.790 kg/l
REFRACTIVE INDEX:	20/D 1.361
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	191086
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PRODUCT NAME: Ethanol absolute (USP, BP, Ph.Eur.) pharma grade

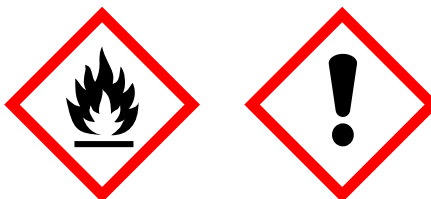
QUALITY NAME: pharma grade

SPECIFICATIONS: Minimum assay (G.C.) (v/v): 99.5%
Identity according to Pharmacopoeias:: passes test
Density 20/20: 0.7907-0.7932
Specific gravity at 15.56° C: < 0.7962

Maximum limit of impurities

Appearance: passes test
Acidity or alkalinity: passes test
Insoluble matter in in H₂O: passes test
Non-volatile matter (w/v): 0.0025 %
Reducing substance to KMnO₄: passes test
Clarity: passes test
Absorbance: passes test
Fusel oil: passes test
Residual solvents (Ph.Eur/USP): passes test
1-Pentanol, non-volatile subst. and carbonized subst. by H₂SO₄: passes test
Acetone, 2-Propanol and 2-Methyl-2-Propanol: passes test
Aldehydes (as CH₃CHO): 0.001%
Benzene (U.V.): 0.0002%
Butanone (G.C.): 0.02%
Volatile impurities (G.C.)
Methanol: 0.02%
Acetaldehyde and acetal: 0.001%
Benzene: 0.0002 %
Total other impurities: 0.03 %
Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P280 P303+P361+P353 P370+P378 P403+P235 P264 P305+P351+P338 P337+P313

MASTER NAME:	Ethanol absolute
SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2207 10 00 90
INDEX NR.:	603-002-00-5

Ethanol 96 % v/v (Ph. Eur., BP) pure, pharma grade

Assay (w/w): 92.6 - 95.2 %

CODE

A1615

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A1615,2500GL

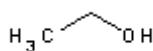
PACKAGING SIZE
2.5 L



CODE
A1615,5000PE

PACKAGING SIZE
5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX:

n_{20/D} 1.3611 (abs.)

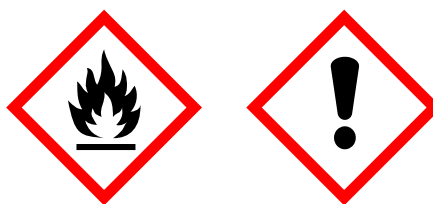
PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:	A1615
PRODUCT NAME:	Ethanol 96 % v/v (Ph. Eur., BP) pure, pharma grade
HEADLINE COMMENT:	This ethanol is intended for consumers in Germany only. The product may only be purchased at AppliChem Darmstadt.
SPECIFICATIONS:	Assay (w/w): 92.6 - 95.2 % Assay (v/v): 95.1 - 96.9 % Identity: passes test Appearance: passes test Volatile org. impurities (GC): passes test Density (d 20°C/20°C): 0.805 - 0.812 Non-volatile matter: max. 25 mg/L Acidic/alkaline react. subst.: passes test Absorption 240 nm: max. 0.40 250 - 260 nm: max. 0.30 270 - 340 nm: max. 0.10 Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Tl): max. 0.8 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm Class 3 (Mo): max. 25 ppm Class 3 (Cr): max. 25 ppm Class 3 (Cu): max. 250 ppm

Class 3 (Sn): max. 600 ppm

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319

P PHRASES: P210
P280
P303+P361+P353
P305+P351+P338
P403+P235
P501

EINECS: 200-578-6

CS: 22071000

INDEX NR.: 603-002-00-5

Ethanol 70% v/v (BP) pharma grade

Ethyl Alcohol

Assay (v/v): 69.5-70.4 %

CODE	192695
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (7)

	CODE	PACKAGING SIZE
	CODE 192695.1211	PACKAGING SIZE 1000 ml
	CODE 192695.1212	PACKAGING SIZE 2.5 l
	CODE 192695.1214	PACKAGING SIZE 5 l
	CODE 192695.0515	PACKAGING SIZE 10 l
	CODE 192695.1315	PACKAGING SIZE 10 l



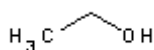
CODE
192695.0716

PACKAGING SIZE
25 l



CODE
192695.0519

PACKAGING SIZE
200 l



Technical data

BOILING POINT: 78 - 79 °C

DENSITY: 0.890 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 192695

PRODUCT NAME: Ethanol 70% v/v (BP) pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS: Assay (v/v): 69.5-70.4 %

Maximum limit of impurities

Appearance: passes test

Acidity or alkalinity: passes test

Non-volatile matter (w/v): 0.0025 %

Apparent density (BP): 883.5-885.8 Kg m⁻³

Residual solvents (Ph.Eur/USP): passes test

Volatile impurities (G.C.): passes test

Methanol: 0.02 %

Acetaldehyde and acetal: 0.001 %

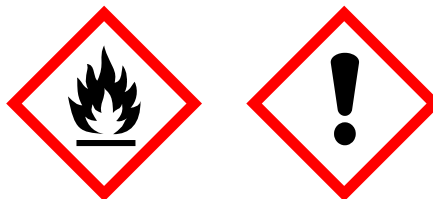
Benzene: 0.0002 %

Total other impurities: 0.03 %

Microfiltered product (0.22 µm)

This product has been manufactured with Ethanol 96% which passes the USP, BP, Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P280 P303+P361+P353 P370+P378 P403+P235 P264 P305+P351+P338 P337+P313

MASTER NAME: Ethanol 70% v/v

SYNONYMS LONG TEXT: Ethyl Alcohol

EINECS: 200-578-6

CS: 2208 90 99 90

INDEX NR.: 603-002-00-5

Ethanol 70 % (DAB) pure, pharma grade

Assay (v/v): 69.2 - 70.8 %

CODE

A0913

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (3)



CODE

CODE
A0913,0250

PACKAGING SIZE

PACKAGING SIZE
250 ml



CODE
A0913,1000

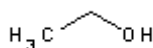
PACKAGING SIZE
1 L

Product active until stock lasts.



CODE
A0913,5000

PACKAGING SIZE
5 L



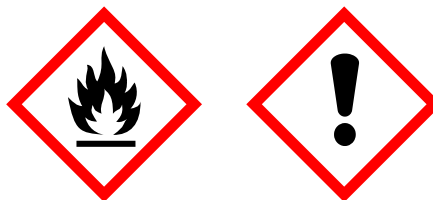
① Technical data

REFRACTIVE INDEX:

n_{20/D} 1.364

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	A0913
PRODUCT NAME:	Ethanol 70 % (DAB) pure, pharma grade
HEADLINE COMMENT:	This ethanol is intended for consumers in Germany only. The product may only be purchased at AppliChem Darmstadt.
SPECIFICATIONS:	Assay (v/v): 69.2 - 70.8 % Assay (w/w): 61.6 - 63.3 % Relative density: 0.885 - 0.889

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P280

P303+P361+P353
P305+P351+P338
P403+P235
P501

EINECS: 200-578-6

CS: 22089091

INDEX NR.: 603-002-00-5

Fumaric Acid (USP-NF) pure, pharma grade

Butenedioic Acid, trans-1,2-Ethylenedicarboxylic Acid

Assay (Acidim.) calc. a.d.s.: 99.5-100.5%

CODE

142344

CAS

110-17-8

MOLAR MASS

116.07 g/mol

Packs sizes (1)



CODE

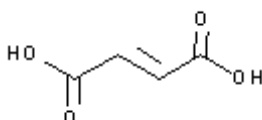
PACKAGING SIZE

CODE

142344.0416

PACKAGING SIZE

25 kg



① Technical data

MELTING POINT:

300 °C

SOLUBILITY:

water 6.3 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

142344

PRODUCT NAME: Fumaric Acid (USP-NF) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.d.s.: 99.5-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Insoluble matter in H2O: 0.05 %
Residue on ignition (as SO4): 0.1 %
Chloride (Cl): 0.005%
Sulfate (SO4): 0.01%
Residual solvents (Ph.Eur/USP): passes test
Maleic Acid (HPLC.): 0.1%
Water (H2O): 0.5 %
Fe: 0,001 %
Complies USP 2020 specifications

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

P PHRASES: P264
P280
P305+P351+P338
P337+P313

MASTER NAME: Fumaric Acid

SYNONYMS LONG TEXT: Butenedioic Acid, trans-1,2-
EthylenedicarboxylicAcid

EINECS: 203-743-0

CS: 2917 19 80 90

INDEX NR.: 607-146-00-X

Formaldehyde 37-38% w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade

Formaline, Formol

Assay: 37.0-38.0 %

CODE	141328
CAS	50-00-0
MOLECULAR FORMULA	CH ₂ O
MOLAR MASS	30.03 g/mol

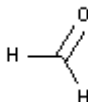
Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 141328.1211	PACKAGING SIZE 1000 ml
	CODE 141328.1212	PACKAGING SIZE 2.5 l
	CODE 141328.1214	PACKAGING SIZE 5 l
	CODE 141328.0716	PACKAGING SIZE 25 l



CODE
141328.0719

PACKAGING SIZE
200 l



① Technical data

MELTING POINT: 118 °C

BOILING POINT: 96 - 98 °C

DENSITY: 1.08 kg/l

REFRACTIVE INDEX: 20/D 1.3765

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141328

PRODUCT NAME: Formaldehyde 37-38% w/w stabilized with methanol (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay: 37.0-38.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

APHA colour: 10

Appearance of solution: passes test

Acidity: passes test

Acidity free (as HCOOH): 0.03 %

Insoluble matter in H₂O: passes test

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.001%
Sulfate (SO4): 0.005%
Residual solvents (Ph.Eur/USP): passes test
Methanol: 9.0-15.0 %
Fe: 0.0005 %

HAZARD PICTOGRAMS



UN:	2209
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS05 GHS06
H PHRASES:	H301 H341 H335 H370 H311 H314 H317 H331 H350
P PHRASES:	P201 P202 P260 P261

P264
P501
P270
P271
P272
P280
P281
P301+P310
P301+P330+P331
P302+P352
P303+P361+P353
P304+P340
P305+P351+P338
P308+P313
P310
P311
P312
P321
P322
P330
P333+P313
P338
P361
P363
P403+P233
P405

MASTER NAME:	Formaldehyde 30-40% *stabilized with methanol
SYNONYMS LONG TEXT:	Formaline, Formol
EINECS:	200-001-8
CS:	2912 11 00 00
INDEX NR.:	605-001-00-5

Folic acid crystalline (Ph. Eur., USP) pure, pharma grade

Assay (HPLC; calc. anhydr. subst.): 97.0 - 102.0 %

CODE	A7092
CAS	59-30-3
MOLECULAR FORMULA	$C_{19}H_{19}N_7O_6$
MOLAR MASS	441.41 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A7092,0025

PACKAGING SIZE
25 g



CODE
A7092,0100

PACKAGING SIZE
100 g



CODE
A7092,5000

PACKAGING SIZE
5 kg

① Technical data

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A7092

PRODUCT NAME:	Folic acid crystalline (Ph. Eur., USP) pure, pharma grade
SPECIFICATIONS:	Assay (HPLC; calc. anhydr. subst.): 97.0 - 102.0 % Sulfated ash: max. 0.2 % Identity: passes test Related subst. (HPLC) (Ph. Eur.): passes test Related subst. (HPLC) (USP): max. 2.0 % Water (K.F.): 5.0 - 8.5 %
WGK:	1
STORAGE:	RT protected from light
EINECS:	200-419-0
CS:	29362900

Eucalyptol (USP) pure, pharma grade

1,3,3-Trimethyl-2-Oxabicyclo[2.2.2]Octane, 1,8-Epoxy-p-Menthane, Cineole

Assay (G.C.): 98.0-100.0%

CODE 142085

CAS 470-82-6

MOLECULAR FORMULA $C_{10}H_{18}O$

MOLAR MASS 154.24 g/mol

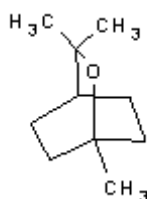
Packs sizes (1)



CODE PACKAGING SIZE

CODE 142085.1611 PACKAGING SIZE 1000 ml

Product active until stock lasts.



① Technical data

MELTING POINT: 1.5 °C

BOILING POINT: 177 °C

DENSITY: 0.920 kg/l

REFRACTIVE INDEX:	20/D 1.458
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	142085
PRODUCT NAME:	Eucalyptol (USP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (G.C.): 98.0-100.0% Identity according to Pharmacopoeias:: IR passes test Density 25/25: 0.921-0.924 Range of Distillation: 174-177°C Freezing point: >0°C Refractive Index n 20/D: 1.455-1.460 Specific rotation α 25/D (without dil.): -0.5 - +0.5°

Maximum limit of impurities

Residual solvents (Ph.Eur/USP): passes test

Phenol: passes test

Residual metals (according to EMEA/CHMP /SWP/4446/2000): No metal catalysts are used in the manufacturing process.

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS02
H PHRASES:	H226
P PHRASES:	P210 P233

P240
P241
P242
P501
P243
P280
P303+P361+P353
P370+P378
P403+P235

MASTER NAME:	Eucalyptol
SYNONYMS LONG TEXT:	1,3,3-Trimethyl-2-Oxabicyclo[2.2.2]Octane, 1,8-Epoxy-p-Menthane, Cineole
EINECS:	207-431-5
CS:	2909 30 38 90

Ethyl Acetate (BP, Ph. Eur.) pharma grade

Acetic Acid Ethyl Ester, Acetic Ether

Assay (C₄H₈O₂): 99.8-100.5%

CODE 191318

CAS 141-78-6

MOLECULAR FORMULA CH₃COOC₂H₅

MOLAR MASS 88.10 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

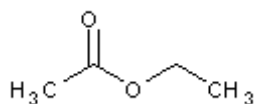
CODE
191318.0616

PACKAGING SIZE
25 l



CODE
191318.0619

PACKAGING SIZE
200 l



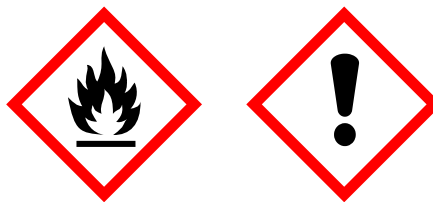
① Technical data

MELTING POINT: -83 °C

BOILING POINT: 77 °C

DENSITY:	0.903 kg/l
SOLUBILITY:	water 80 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.3719
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	191318
PRODUCT NAME:	Ethyl Acetate (BP, Ph. Eur.) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (C₄H₈O₂): 99.8-100.5% Identity according to Pharmacopoeias:: passes test Density 20/20: 0.898-0.902 Refractive Index n 20/D: 1.370-1.373 Maximum limit of impurities Appearance of solution: passes test Acidity: passes test Insoluble matter in H₂O: passes test Non-volatile matter: 0.003 % Darkened substances by H₂SO₄: passes test Related substances: passes test Residual solvents (Ph.Eur.): passes test Water (H₂O): 0.05 %

HAZARD PICTOGRAMS



UN:	1173
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II

WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 EUH066 H336
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P261 P264 P271 P280 P303+P361+P353 P304+P340 P305+P351+P338 P312 P337+P313 P370+P378 P403+P233 P403+P235 P405

MASTER NAME:	Ethyl Acetate
SYNONYMS LONG TEXT:	Acetic Acid Ethyl Ester, Acetic Ether
EINECS:	205-500-4
CS:	2915 31 00 00
INDEX NR.:	607-022-00-5

Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade

Muriatic Acid

Assay (Acidim.) (w/w): 9.5 - 10.5 %

CODE

143006

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

143006.1211

1000 ml



CODE

PACKAGING SIZE

143006.0715

10 l



CODE

PACKAGING SIZE

143006.0716

25 L

① Technical data

DENSITY:

1.047 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE: 143006

PRODUCT NAME: Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.)
pure, pharma grade

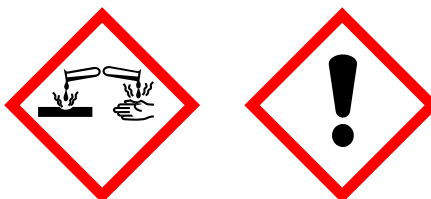
QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) (w/w): 9.5 - 10.5 %
Assay (Acidim.) (w/v): 9.5 - 10.5 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of the substance: passes test
Non-volatile matter: 0.01 %
Residue on ignition (as SO₄): 0.01 %
Sulfate (SO₄) (Ph. Eur.): 0.0005 %
Sulfate (SO₄) (USP-NF): passes test
Sulfite: passes test
Residual solvents (Ph.Eur/USP): passes test
Free bromine or chlorine (USP-NF): passes test
Free chlorine: 0.0001 %

HAZARD PICTOGRAMS



UN: 1789

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

	GHS05
H PHRASES:	H319
	H335
	H315
	H290
P PHRASES:	P261
	P264
	P271
	P280
	P302+P352
	P501
	P304+P340
	P305+P351+P338
	P312
	P321
	P332+P313
	P337+P313
	P362
	P403+P233
	P405
	P234
	P390
	P406

MASTER NAME:	Hydrochloric Acid 10% w/w
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Glycine (USP, BP, Ph. Eur.) pure, pharma grade

Aminoacetic Acid, Glycocoll

Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0%

CODE

141340

CAS

56-40-6

MOLECULAR FORMULA

$\text{H}_2\text{NCH}_2\text{COOH}$

MOLAR MASS

75.07 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141340.1211

1000 g



CODE

PACKAGING SIZE

141340.0914

5 kg

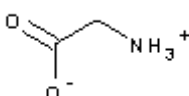


CODE

PACKAGING SIZE

141340.0416

25 kg



① Technical data

MELTING POINT: 232 °C

SOLUBILITY: water 250 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141340

PRODUCT NAME: Glycine (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 5.9-6.4

Maximum limit of impurities

Appearance of solution: passes test

Loss on drying at 105°C: 0.2%

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.007%

Ammonium (NH₄): 0.02 %

Sulfate (SO₄): 0.0065%

Hydrolizable substances: passes test

Residual solvents (Ph.Eur/USP): passes test

Related Substances (HPLC)

Glycine anhydride: 0.10 %

Diglycine: 0.10 %

Triglycine: 0.10 %

Every not specified impurity: 0.10 %

Total impurities: 0.2 %

Ninhydrin positive substances

Individual: 0.10 %

Total: 1.0 %

Monochloroacetic acid: 0.10 %

Iminodiacetic acid: 0.10 %

Hexamethylenetetramine: 0.10 %

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Glycine
SYNONYMS LONG TEXT:	Aminoacetic Acid, Glycocol
EINECS:	200-272-2
CS:	2922 49 85 45

Glycerol (USP, BP, Ph. Eur.) pure, pharma grade

1,2,3-Propanetriol, Glycerol

Assay (C₃H₈O₃) calc. a.d.s.: 99.0-101.0%

CODE	141339
CAS	56-81-5
MOLECULAR FORMULA	C ₃ H ₈ O ₃
MOLAR MASS	92.10 g/mol

Packs sizes (5)



CODE
141339.1211

PACKAGING SIZE
1000 ml



CODE
141339.1212

PACKAGING SIZE
2.5 l



CODE
141339.1214

PACKAGING SIZE
5 l



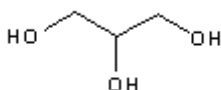
CODE
141339.0716

PACKAGING SIZE
25 l



CODE
141339.0719

PACKAGING SIZE
200 l



① Technical data

MELTING POINT: 17.8 °C

BOILING POINT: 290 °C

DENSITY: 1.259 kg/l

REFRACTIVE INDEX: 20/D 1.474

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141339

PRODUCT NAME: Glycerol (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (C₃H₈O₃) calc. a.d.s.: 99.0-101.0%
Identity according to Pharmacopoeias:: passes test
Density 25/25: ≥ 1.249
Density 20/20: 1.258 - 1.268
Refractive Index n 20/D: 1.470-1.475

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Residue on ignition (as SO₄): 0.01 %

Sugars: passes test

Chloride (Cl): 0.001%

Ammonium (NH₄): 0.001%

Sulfate (SO₄): 0.002%

Color: passes test

Halogenated compounds (as Cl): 0.003 %

Residual solvents (Ph.Eur/USP): passes test

Organic impurities - Related substances
Individual: 0.1 %
Total: 1.0 %
Aldehydes (as CH₂O): 0.0010%
Diethyleneglycol (USP): 0.025%
Esters: passes test
Ethylenglycol (USP): 0.025%
Impurity A and related substances (Ph. Eur.)
Impurity A (Diethyleneglycol): 0.1 %
Individual Tr < Tr glycerine: 0.1 %
Total impurities Tr > Tr glycerine: 0.5 %
Water (H₂O): 0.5 %
GLYCERINE OF VEGETABLE ORIGIN

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Glycerol
SYNONYMS LONG TEXT:	1,2,3-Propanetriol, Glycerol
EINECS:	200-289-5
CS:	2905 45 00 00

Glycerol 87% (BP, Ph. Eur.) pharma grade, BioChemica

1,2,3,-Propanetriol, Glycerol

Assay (C₃H₈O₃): 85.0-88.0 %

CODE 142329

CAS 56-81-5

MOLECULAR FORMULA C₃H₈O₃

MOLAR MASS 92.10 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
142329.1211

PACKAGING SIZE
1000 ml



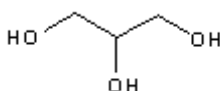
CODE
142329.1214

PACKAGING SIZE
5 l



CODE
142329.0719

PACKAGING SIZE
200 l



Technical data

MELTING POINT: -10 °C

BOILING POINT: 130 °C 1,000 hPa

DENSITY: 1.228 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 142329

PRODUCT NAME: Glycerol 87% (BP, Ph. Eur.) pharma grade,
BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (C₃H₈O₃): 85.0-88.0 %
Identity according to Pharmacopoeias:: passes
test
Density 20/4: 1.224 - 1.232
Refractive Index n 20/D: 1.449-1.455

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in H₂O: passes test
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): 0.01 %
Sugars: passes test
Chloride (Cl): 0.0001%
Ammonium (NH₄): 0.001%
Sulfate (SO₄): 0.002%
Halogenated compounds (as Cl): 0.003%
Residual solvents (Ph.Eur.): passes test
Aldehydes (as CH₂O): 0.001%
Diethyleneglycol and related substances: passes
test
Esters: passes test
Water (H₂O): 12-14 %
Heavy metals (as Pb): 0.0001%
GLYCERINE OF VEGETABLE ORIGIN

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Glycerol 87%
SYNONYMS LONG TEXT:	1,2,3,-Propanetriol, Glycerol
EINECS:	200-289-5
CS:	2905 45 00 00

Gelatine 80-100 Blooms (USP-NF, BP, Ph. Eur.) pure, pharma grade

CODE	142060
CAS	9000-70-8

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 142060.1210	PACKAGING SIZE 500 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

 Technical data	
SOLUBILITY:	Slightly soluble in cold water. Soluble in hot water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142060
PRODUCT NAME:	Gelatine 80-100 Blooms (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test pH sol. 1% at 55°C: 3.8-7.6 T.L.C. (phenolic preservatives): passes test Maximum limit of impurities Appearance of solution: passes test

Loss on drying at 105°C: 15.0%
Peroxides (as H₂O₂): 0.0010%
Conductivity sol. 1.0% at 30±1.0°C: 1 mS/cm
Residual solvents (Ph.Eur/USP): passes test
Sulfur dioxide: 0.005%
Total combined yeast and moulds (TYMC): 100 cfu/ml
Total aerobic microbial count (TAMC): 1000 cfu/g
Salmonella: absence/10g
Escherichia coli: absence/g
Cr: 0.001 %
Fe: 0.003 %
Zn: 0.003 %

WGK:	nwg
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STORAGE:	Room Temperature.
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MASTER NAME:	Gelatine 80-100 Blooms
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EINECS:	232-554-6
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CS:	3503 00 10 00
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Hydroquinone (USP) pure, pharma grade

1,4-Benzenediol, 1,4-Dihydroxybenzene

Assay (calc. a.d.s.): 99.0-100.5%

CODE	141351
CAS	123-31-9
MOLECULAR FORMULA	$C_6H_4(OH)_2$
MOLAR MASS	110.11 g/mol

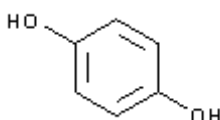
Packs sizes (1)



CODE	PACKAGING SIZE
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CODE	PACKAGING SIZE
141351.0914	5 kg

Product active until stock lasts.



① Technical data

MELTING POINT:	170 °C
BOILING POINT:	287 °C
SOLUBILITY:	water 70 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White crystals, turns to grey on exposure to air

and light

PRODUCT CODE: 141351

PRODUCT NAME: Hydroquinone (USP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (calc. a.d.s.): 99.0-100.5%
Identity according to Pharmacopoeias:: passes test
Melting range: 172-174°C

Maximum limit of impurities

Insoluble matter in H₂O: passes test
Residue on ignition (as SO₄): 0.1 %
Sulfate (SO₄): 0.05%
Residual solvents (Ph.Eur/USP): passes test
Pyrocatechol: 0.05%
Water (H₂O): 0.5 %
Heavy metals (as Pb): 0.002%

Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)

Class 1A (Pt, Pd): 10 ppm
Class 1B (Ir, Rh, Ru, Os): 10 ppm
Class 1C (Mo, Ni, Cr, V): 25 ppm
Class 2 (Cu, Mn): 250 ppm
Class 3 (Fe, Zn): 1,300 ppm

HAZARD PICTOGRAMS



UN: 3077

CLASS/PG: 9/III

ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS08 GHS05 GHS09
H PHRASES:	H302 H351 H318 H317 H341 H400
P PHRASES:	P202 P261 P264 P270 P272 P273 P280 P281 P301+P312 P302+P352 P305+P351+P338 P308+P313 P310 P321 P330 P333+P313 P363 P391 P405 P501

MASTER NAME:	Hydroquinone
SYNONYMS LONG TEXT:	1,4-Benzenediol, 1,4-Dihydroxybenzene
EINECS:	204-617-8
CS:	2907 22 00 10
INDEX NR.:	604-005-00-4

Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) pure, pharma grade

Hydrogen Dioxide, Hydroperoxide

Assay (in vol. O₂) (Perm.): 20 vol.

CODE

142660

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (2)



CODE

CODE

142660.1211

PACKAGING
SIZE

PACKAGING
SIZE
1000 ml

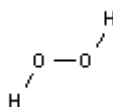
Product discontinued. Alternative
142660.1214 (please check specifications).



CODE

142660.1214

PACKAGING
SIZE
5 l



① Technical data

DENSITY:

1.02 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	142660
PRODUCT NAME:	Hydrogen Peroxide 6% w/v (20 vol.) stabilized (BP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (in vol. O₂) (Perm.): 20 vol. Assay (Perm.) w/v: 5.0-7.0 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Acidity: passes test Non-volatile matter: 0.02 % Chloride (Cl): 0.001% Phosphate (PO₄): 0.005 % Sulfate (SO₄): 0.001% Organic stabilizers: 0.025% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1,300 ppm As: 0.00005 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07

H PHRASES: H319

P PHRASES: P264
P280
P305+P351+P338
P337+P313

MASTER NAME: Hydrogen Peroxide 6% w/v *(20 vol.) stabilized

SYNONYMS LONG TEXT: Hydrogen Dioxide, Hydroperoxide

EINECS: 231-765-0

CS: 2847 00 00 00

INDEX NR.: 008-003-00-9

Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade

Hydrogen Dioxide, Hydroperoxide

Assay (in vol. O₂) (Perm.): 110 vol.

CODE

141077

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141077.1211

1000 ml



CODE

PACKAGING SIZE

141077.1214

5 l

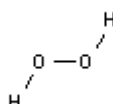


CODE

PACKAGING SIZE

141077.0716

25 l



Technical data

MELTING POINT: -26 °C

BOILING POINT: 107 °C

DENSITY: 1.11 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141077

PRODUCT NAME: Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (in vol. O₂) (Perm.): 110 vol.
Assay (Perm.) w/w: 29.0-31.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Acidity: passes test

Non-volatile matter: 0.05 %

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.005%

Sulfate (SO₄): 0.001%

Residual solvents (Ph.Eur/USP): passes test

Organic stabilizers: 0.05%

HAZARD PICTOGRAMS



UN: 2014

CLASS/PG: 5.1(8)/II

ADR: 5.1(8)/II

IMDG:	5.1(8)/II
IATA:	5.1(8)/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H318
P PHRASES:	P264 P270 P280 P301+P312 P305+P351+P338 P310 P330 P501

MASTER NAME:	Hydrogen Peroxide 33% w/v *(110 vol.)
SYNONYMS LONG TEXT:	Hydrogen Dioxide, Hydroperoxide
EINECS:	231-765-0
CS:	2847 00 00 00
INDEX NR.:	008-003-00-9

Hydrochloric Acid 5 mol/l (5N) pharma grade

Muriatic Acid

CODE 192109

CAS 7647-01-0

MOLECULAR FORMULA HCl

MOLAR MASS 36.46 g/mol

Packs sizes (2)



CODE PACKAGING SIZE

CODE 192109.1215 PACKAGING SIZE 10 l



CODE 192109.0719 PACKAGING SIZE 200 l

Technical data

DENSITY: 1.08 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 192109

PRODUCT NAME: Hydrochloric Acid 5 mol/l (5N) pharma grade

QUALITY NAME: pharma grade

HEADLINE COMMENT:

Indicator: Methyl Red

SPECIFICATIONS:Titer at 20°C: 1.00 ± 0.01

Identity according to Pharmacopoeias:: passes test

Appearance of solution: passes test

Non-volatile matter: 0.01 %

Residue on ignition (as SO₄): 0.008 %

Chlorine Free (Ph. Eur.): 0.0004 %

Sulfate (SO₄): 0.002 %Sulfate (SO₄) (USP-NF): passes test

Sulfite (USP-NF): passes test

Residual solvents (Ph.Eur/USP): passes test

Bromine or Chlorine (USP-NF): passes test

Bromide or Iodide (USP-NF): passes test

Heavy metals (as Pb): 0.0002 %

This product has been manufactured with a raw material HCl which passes the RFE, USP-NF, BP, Ph. Eur. specifications.

HAZARD PICTOGRAMS

UN:

1789

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

GHS05

H PHRASES:	H319 H335 H315 H290
P PHRASES:	P261 P405 P305+P351+P338 P280 P501 P403+P233

MASTER NAME:	Hydrochloric Acid 5 mol/l (5N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade

Muriatic Acid

Assay (Acidim.): 36.5-38.0 %

CODE	141020
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 141020.1611	PACKAGING SIZE 1000 ml
	CODE 141020.1612	PACKAGING SIZE 2.5 l
	CODE 141020.1214	PACKAGING SIZE 5 l
	CODE 141020.9914	PACKAGING SIZE 5 l
	CODE 141020.0716	PACKAGING SIZE 25 l

① Technical data

MELTING POINT: -25 °C

BOILING POINT: 85 °C

DENSITY: 1.19 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141020

PRODUCT NAME: Hydrochloric Acid 37% (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 36.5-38.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Non-volatile matter: 0.01 %

Residue on ignition (as SO₄): 0.005 %

Chlorine (Ph. Eur.): 0.0004%

Ammonium (NH₄): 0.001%

Sulfate (SO₄): 0.0005%

Sulfate (SO₄) (USP-NF): passes test

Sulfite (USP-NF): passes test

Residual solvents (Ph.Eur/USP): passes test

Bromine or Chlorine (USP-NF): passes test

Bromide or Iodide (USP-NF): passes test

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H335 H314
P PHRASES:	P234 P390 P406 P264 P280 P302+P352 P321 P332+P313 P362 P305+P351+P338 P337+P313 P261 P271 P304+P340 P403+P233 P312 P405 P501

MASTER NAME:	Hydrochloric Acid 37%
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SYNONYMS LONG TEXT:	Muriatic Acid
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EINECS: 231-595-7

CS: 2806 10 00 00

INDEX NR.: 017-002-01-X

Kanamycin Sulfate (Ph. Eur., BP) pure, pharma grade

Assay (dried subst.): min. 750 I.U./mg

CODE

A4789

CAS

5965-95-7

MOLECULAR FORMULA

$C_{18}H_{36}N_4O_{11} \cdot H_2SO_4 \cdot H_2O$

MOLAR MASS

600.60 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A4789,0010

PACKAGING SIZE
10 g



CODE
A4789,0025

PACKAGING SIZE
25 g



CODE
A4789,0100

PACKAGING SIZE
100 g

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:	A4789
PRODUCT NAME:	Kanamycin Sulfate (Ph. Eur., BP) pure, pharma grade
SPECIFICATIONS:	Assay (dried subst.): min. 750 I.U./mg $\alpha_{20^{\circ}\text{C/D}}; 1\%, \text{H}_2\text{O}$, dried subst.: $+112^{\circ} - +123^{\circ}$ pH (1 %; H_2O ; 25°C): 6.5 - 8.5 Loss on drying (3 h; 60°C ; 0.67 kPa): max. 1.5 % Sulfated ash: max. 0.5 % Identity: passes test Kanamycin B: max. 4.0 % Sulfate (dried subst.): 15.0 - 17.0 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H360D
P PHRASES:	P201 P202 P280 P308+P313 P405 P501

CS:	29419000
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Isopropyl Myristate (Ph. Eur.) pure, pharma grade

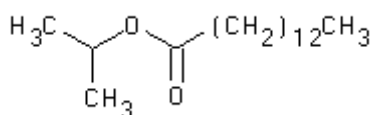
Assay (GC): min. 90.0 %

CODE	143712
CAS	110-27-0
MOLECULAR FORMULA	C ₁₇ H ₃₄ O ₂
MOLAR MASS	270.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
143712.1212	2.5 L



① Technical data

SOLUBILITY: 0.05 mg/L (H₂O)

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 143712

PRODUCT NAME: Isopropyl Myristate (Ph. Eur.) pure, pharma grade

SPECIFICATIONS: Assay (GC): min. 90.0 %
Iodine value: max. 1.0
Acid value: max. 1.0
Identity: passes test
Appearance of solution: passes test
Refractive index: 1.434 - 1.437
Viscosity: 5 - 6 mPas
Saponification value: 202 -212
Ash: max. 0.1 %
Water (K.F.): max. 0.1 %

WGK: awg

STORAGE: RT

EINECS: 203-751-4

CS: 29159070

Iron(III) Chloride solution 14% w/w (as Fe) pharma grade

Assay (as Fe) (Iodom.): 13.8 - 14.3 % *

CODE	196997
CAS	7705-08-0

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 196997.9774	PACKAGING SIZE 1000 l

Technical data

DENSITY: 1.435 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 196997

PRODUCT NAME: Iron(III) Chloride solution 14% w/w (as Fe) pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS: Assay (as Fe) (Iodom.): 13.8 - 14.3 % *
Appearance Clear < formazin I: passes test
Acidity (≤ 0.1 % as HCl): passes test *
Chlorine Free: passes test *
Fe(II): $\leq 0.004\%$ *
Al: $\leq 0,005$ %
As: $\leq 0,0005$ %

Cd: $\leq 0,0001$ %
Co: $\leq 0,0002$ %
Cr: $\leq 0,001$ %
Cu: $\leq 0,001$ %
Hg: $\leq 0,000\ 001$ %
Ir: $\leq 0,001$ %
Li: $\leq 0,01$ %
Mn: $\leq 0,005$ %
Mo: $\leq 0,002$ %
Ni: $\leq 0,001$ %
Os: $\leq 0,001$ %
Pb: $\leq 0,0002$ %
Pd: $\leq 0,001$ %
Pt: $\leq 0,001$ %
Rh: $\leq 0,001$ %
Ru: $\leq 0,001$ %
Sb: $\leq 0,004$ %
V: $\leq 0,0004$ %
Zn: $\leq 0,001$ %

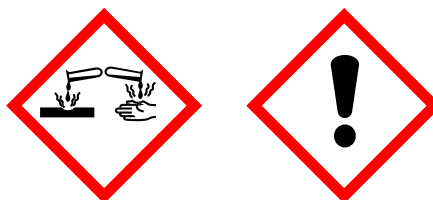
This solution is suitable as raw material for the pharmaceutical industry.

* Specifications analyzed according to $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$

Ph. Eur. method.

Product not intended for animal feed.

HAZARD PICTOGRAMS



UN:	2582
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS07

H PHRASES: H290
H302
H315
H318

P PHRASES: P390
P261
P280
P307+P311
P501

MASTER NAME: Iron(III) Chloride 6-hydrate solution

EINECS: 231-729-4

CS: 2827 39 20 00

Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Green Vitriol

Assay (Cerim.): 99.5-104.5 %

CODE	141362
CAS	7782-63-0
MOLECULAR FORMULA	FeSO ₄ .7H ₂ O
MOLAR MASS	278.02 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 141362.1210	PACKAGING SIZE 500 g	
	CODE 141362.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 141362.1214	PACKAGING SIZE 5 kg	
	CODE 141362.0416	PACKAGING SIZE 25 kg	

MELTING POINT: 64 °C

SOLUBILITY: water 400 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141362

PRODUCT NAME: Iron(II) Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Cerim.): 99.5-104.5 %
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 3.0-4.0

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Chloride (Cl): 0.02%

Phosphate (PO₄): 0.003 %

Residual solvents (Ph.Eur/USP): passes test

Fe(III): 0.3%

As: 0.00015 %

Cr: 0.0025 %

Cu: 0.005 %

Hg: 0.00015 %

Mg: 0.025 %

Mn: 0.1 %

Ni: 0.002 %

Pb: 0.00005 %

Zn: 0.005 %

You must not use if it is recovered by yellow-brownish Ferric Sulphate, Basic

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H319 H315
P PHRASES:	P264 P270 P280 P301+P312 P302+P352 P501 P305+P351+P338 P321 P330 P332+P313 P337+P313 P362

MASTER NAME:	Iron(II) Sulphate 7-hydrate
SYNONYMS LONG TEXT:	Green Vitriol
EINECS:	231-753-5
CS:	2833 29 80 80

Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade

Assay (Iodom.): 99.8-100.5%

CODE	141771
CAS	7553-56-2
MOLECULAR FORMULA	I ₂
MOLAR MASS	253.81 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE	Product active until stock lasts.
	CODE 141771.1608	PACKAGING SIZE 100 g	
	CODE 141771.1609	PACKAGING SIZE 250 g	
	CODE 141771.1611	PACKAGING SIZE 1000 g	
	CODE 141771.1614	PACKAGING SIZE 5 kg	
	CODE 141771.0416	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:	113.6 °C
BOILING POINT:	185.24 °C
SOLUBILITY:	water 0.3 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141771
PRODUCT NAME:	Iodine resublimed pearls (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Iodom.): 99.8-100.5% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Non-volatile matter: 0.05 % Residual solvents (Ph.Eur/USP): passes test Chloride and bromide (as Cl): 0.025%

HAZARD PICTOGRAMS



UN:	3495
CLASS/PG:	8(6.1)/III
ADR:	8(6.1)/III
IMDG:	8(6.1)/III
IATA:	8(6.1)/III

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS08 GHS09

H PHRASES:	H302+H312+H332 H315 H319 H335 H372 H400
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P PHRASES:	P260 P280 P273 P305+P351+P338 P302+P352 P304+P340 P501
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MASTER NAME:	Iodine resublimed pearls
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EINECS:	231-442-4
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CS:	2801 20 00 00
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INDEX NR.:	053-001-00-3
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L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade

Assay (titr., dried subst.): 99.0 - 101.0 %

CODE

A1668

CAS

5794-13-8

MOLECULAR FORMULA

$C_4H_8N_2O_3 \cdot H_2O$

MOLAR MASS

150.14 g/mol

Packs sizes (3)



CODE

CODE
A1668,0100

PACKAGING SIZE

PACKAGING SIZE
100 g

Product active until stock lasts.



CODE
A1668,1000

PACKAGING SIZE
1 kg



CODE
A1668,9025

PACKAGING SIZE
25 kg

① Technical data

SOLUBILITY: 30 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1668
PRODUCT NAME:	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., dried subst.): 99.0 - 101.0 % α20°C/D; 10 %, 3 N HCl, dried subst.: +33.7° - +36.0° Appearance of solution: passes test Identity: passes test Sulfated ash: max. 0.1 % Loss on drying: 10.5 - 12.5 % pH (2 %; H₂O): 4.0 - 6.0 Ammonium: max. 0.1 % Chloride: max. 0.02 % Sulfate: max. 0.02 % Fe: max. 0.001 % Related subst. (HPLC) Impurity A: max. 0.5 % Impurity C: max. 0.1 % Each unspecified impurity: max. 0.05 % Total impurities: max. 0.8 % Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Tl): max. 1 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm

Class 3 (Sb): max. 120 ppm
Class 3 (Ba): max. 140 ppm
Class 3 (Mo): max. 25 ppm
Class 3 (Cr): max. 25 ppm
Class 3 (Cu): max. 250 ppm
Class 3 (Sn): max. 600 ppm

WGK: 1

STORAGE: RT

EINECS: 200-735-9

CS: 29241900

L-Asparagine anhydrous (USP-NF) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.0 - 101.5 %

CODE	147755
CAS	70-47-3
MOLECULAR FORMULA	$C_4H_8N_2O_3$
MOLAR MASS	132.12 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 147755.0914	PACKAGING SIZE 5 kg

① Technical data

PRODUCT CODE:	147755
PRODUCT NAME:	L-Asparagine anhydrous (USP-NF) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.0 - 101.5 % $\alpha_{20^{\circ}C/D}$; 1 %, 6 M HCl: +33.0° - +36.5° Colony count (yeasts & moulds): max. 100 CFU/g Total aerobic microbial count: max. 1000 CFU/g Identity: passes test Loss on drying (3 h; 130°C): max. 1.0 %

Residue on ignition: max. 0.1 %
Pb: max. 0.0005 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 1.0 %

WGK:	1
STORAGE:	RT

EINECS:	200-735-9
CS:	29241900

L-Arginine Hydrochloride (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1700

CAS

1119-34-2

MOLECULAR FORMULA

$C_6H_{14}N_4O_2 \cdot HCl$

MOLAR MASS

210.66 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A1700,1000

PACKAGING SIZE
1 kg



CODE
A1700,9015

PACKAGING SIZE
15 kg

Technical data

SOLUBILITY: 900 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1700

PRODUCT NAME: L-Arginine Hydrochloride (Ph. Eur., USP) pure,
pharma grade

HEADLINE COMMENT:

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS:

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

α 20°C/D; 8 %, 6 M HCl: +21.4° - +23.6°

Appearance of solution: passes test

Identity: passes test

Heavy metals (as Pb): max. 0.002 %

Sulfated ash: max. 0.1 %

Loss on drying (2 h; 105°C): max. 0.2 %

α 20°C/D; 8 %, 250 g/L HCl, calc. on dried subst.:
+21.0° - +23.5°

Ammonium: max. 0.02 %

Chloride: 16.5 - 17.1 %

Sulfate: max. 0.03 %

Fe: max. 0.001 %

Ninhydrin positive substances (HPLC)

each individual impurity: max. 0.2 %

Total impurities: max. 0.5 %

Ninhydrin positive substances (TLC)

Each individual impurity: max. 0.5 %

Total impurities: max. 2 %

Elemental impurities (according to ICH Q3D):

Class 1 (Cd): max. 0.5 ppm

Class 2B (Au): max. 10 ppm

Class 2B (Rh): max. 10 ppm

Class 2A (Co): max. 5 ppm

Class 3 (Li): max. 55 ppm

Class 1 (Pb): max. 0.5 ppm

Class 1 (As): max. 1.5 ppm

Class 1 (Hg): max. 1.5 ppm

Class 2A (V): max. 10 ppm

Class 2A (Ni): max. 20 ppm

Class 2B (Tl): max. 0.8 ppm

Class 2B (Pd): max. 10 ppm

Class 2B (Ir): max. 10 ppm

Class 2B (Os): max. 10 ppm

Class 2B (Ru): max. 10 ppm

Class 2B (Pt): max. 10 ppm

Class 2B (Se): max. 15 ppm

Class 2B (Ag): max. 15 ppm

Class 3 (Sb): max. 120 ppm

Class 3 (Ba): max. 140 ppm

Class 3 (Mo): max. 25 ppm

Class 3 (Cr): max. 25 ppm
Class 3 (Cu): max. 250 ppm
Class 3 (Sn): max. 600 ppm

WGK: 1

STORAGE: RT

EINECS: 214-275-1

CS: 29224985

L-Arginine base (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1345

CAS

74-79-3

MOLECULAR FORMULA

C₆H₁₄N₄O₂

MOLAR MASS

174.20 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1345,0500

PACKAGING SIZE
500 g



CODE
A1345,1000

PACKAGING SIZE
1 kg



CODE
A1345,9010

PACKAGING SIZE
10 kg

① Technical data

SOLUBILITY: 150 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1345
PRODUCT NAME:	L-Arginine base (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α25°C/D; 8 %, 6 M HCl: +26.3° - +27.7° Appearance of solution: passes test Identity: passes test Heavy metals (as Pb): max. 0.0015 % Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.5 % α20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.: +25.5° - +28.5° Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) Each individual impurity: max. 0.2 % Total impurities: max. 0.5 % Ninhydrin positive substances (TLC) Each individual impurity: max. 0.5 % Total impurities: max. 2.0 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264

P280
P305+P351+P338
P337+P313

EINECS: 200-811-1

CS: 29224985

L-Alanine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1688

CAS

56-41-7

MOLECULAR FORMULA

CH₃CH(NH₂)COOH

MOLAR MASS

89.09 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1688,0100

PACKAGING SIZE
100 g

① Technical data

SOLUBILITY: 166.5 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1688

PRODUCT NAME: L-Alanine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT: • All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
α_{25°C/D}; 10 %, 6 M HCl: +13.7° - +15.1°

Appearance of solution: passes test
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.2 %
Identity: passes test
 α 20°C/D; 10 %, HCl 250 g/L, calc. on dried subst.:
+13.5° - +15.5°
pH (5 %; H₂O; 25°C): 5.5 - 7.0
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
Any ninhydrin-pos. Subst.: max. 0.1 %
Total impurities: max. 0.5 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 2 %

WGK:

1

STORAGE:

RT

EINECS:

200-273-8

CS:

29224985

L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 100.5 %

CODE	A1704
CAS	56-86-0
MOLECULAR FORMULA	$C_5H_9NO_4$
MOLAR MASS	147.13 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE A1704,1000	PACKAGING SIZE 1 kg



CODE	PACKAGING SIZE
A1704,9025	25 kg

Technical data

SOLUBILITY: 11 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1704

PRODUCT NAME: L-Glutamic Acid (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 100.5 % α20°C/D; 10 %, 1 M HCl, calc. on dried subst.: +30.5° - +32.5° Appearance of solution: passes test Identity: passes test Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.1 % α20°C/D; 10 %, 2 M HCl: +31.5° - +32.5° Ninhydrin positive substances: max. 0.5 % Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.02 % Fe: max. 0.001 % Elemental impurities (according to ICH Q3D): passes test

WGK:	1
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STORAGE:	RT
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EINECS:	200-293-7
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CS:	29224200
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L-Cystine (Ph. Eur.) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1703

CAS

56-89-3

MOLECULAR FORMULA

C₆H₁₂N₂O₄S₂

MOLAR MASS

240.30 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE A1703,0100	PACKAGING SIZE 100 g	
	CODE A1703,0500	PACKAGING SIZE 500 g	Product discontinued. Alternative A1703,0100 (please check specifications).
	CODE A1703,1000	PACKAGING SIZE 1 kg	
	CODE A1703,5000	PACKAGING SIZE 5 kg	

① Technical data

SOLUBILITY:

0.11 g/L (H₂O)

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1703
PRODUCT NAME:	L-Cystine (Ph. Eur.) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α20°C/D; 2 %, 1 M HCl, calc. on dried subst.: -224° - -218° Appearance of solution: passes test Identity: passes test Sulfated ash: max. 0.1 % Loss on drying: max. 0.5 % Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) Any other ninhydrin-pos. Subst.: max. 0.2 % Total impurities: max. 0.5 %
WGK:	1
STORAGE:	RT
EINECS:	200-296-3
CS:	29309013

L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1702

CAS

7048-04-6

MOLECULAR FORMULA

$C_3H_7NO_2S \cdot HCl \cdot H_2O$

MOLAR MASS

175.64 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1702,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 650 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1702

PRODUCT NAME: L-Cysteine Hydrochloride 1-hydrate (Ph. Eur., USP)
pure, pharma grade

HEADLINE COMMENT: • All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

α 25°C/D; 8 %, 6 M HCl: +5.7° - +6.8°
Appearance of solution: passes test
Identity: passes test
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying: 8.0 - 12.0 %
 α 20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.:
+5.5° - +7.0°
Ammonium: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.002 %
Ninhydrin positive substances (HPLC)
Any other ninhydrin-pos. Subst.: max. 0.2 %
Total impurities: max. 1.0 %
Cystine: max. 0.5 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 2 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

EINECS:	200-157-7
CS:	29309016

L-Cysteine (DAB) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.0 - 101.0 %

CODE

A1425

CAS

52-90-4

MOLECULAR FORMULA

C₃H₇NO₂S

MOLAR MASS

121.16 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1425,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 280 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1425

PRODUCT NAME: L-Cysteine (DAB) pure, pharma grade

HEADLINE COMMENT: • All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.0 - 101.0 %
α₂₀°C/D; 12 %, HCl, calc. on dried subst.: +8.0° - +9.5°
Appearance of solution: passes test

Identity: passes test
pH (2.5 %; H₂O): 4.5 - 6.0
Heavy metals (as Pb): max. 0.001 %
Sulfated ash: max. 0.1 %
Loss on drying: max. 0.5 %
Ninhydrin positive substances: max. 0.5 %
Ammonium: max. 0.02 %
Chloride: max. 0.04 %
Sulfate: max. 0.03 %
Fe: max. 0.002 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-158-2
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CS:	29309013
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L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.5 %

CODE	A1701
CAS	56-84-8
MOLECULAR FORMULA	$C_4H_7NO_4$
MOLAR MASS	133.10 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1701,9050

PACKAGING SIZE
50 kg



CODE
A1701,1000

PACKAGING SIZE
1 kg



CODE
A1701,5000

PACKAGING SIZE
5 kg

① Technical data

SOLUBILITY: 5 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1701
PRODUCT NAME:	L-Aspartic Acid (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.5 % α20°C/D; 8 %, 6 M HCl: +24.0° - +26.0° Appearance of solution: passes test D-Aspartic Acid: max. 0.3 % Identity: passes test Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.5 % Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Related substances (Ph. Eur.) Maleic acid: max. 0.10 % Malic acid: max. 0.2 % Fumaric acid: max. 0.10 % Any unspecified impurity: max. 0.10 % Total unspecified impurities: max. 0.3 % Related substances (USP) Maleic acid: max. 0.05 % Malic acid: max. 0.20 % Any unspecified impurity: max. 0.05 % Total unspecified impurities: max. 0.10 % Ninhydrin positive substances (HPLC) Glutamic Acid: max. 0.2 % Alanine: max. 0.2 % Asparagine: max. 0.2 % Total impurities: max. 1.0 %
WGK:	1
STORAGE:	RT
EINECS:	200-291-6
CS:	29224985

L-Leucine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE	A1426
CAS	61-90-5
MOLECULAR FORMULA	$C_6H_{13}NO_2$
MOLAR MASS	131.18 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A1426,1000	PACKAGING SIZE 1 kg

① Technical data

SOLUBILITY: 24.5 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1426

PRODUCT NAME: L-Leucine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT:

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
 $\alpha_{25^{\circ}C/D}$; 4 %, 6 N HCl: +14.9° - +17.3°

Appearance of solution: passes test
Identity: passes test
pH (1 %; H₂O; 25°C): 5.5 - 7.0
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.2 %
α_{20°C/D}; 4 %, HCl 250 g/L, calc. on dried subst.:
+14.5° - +16.5°
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
Isoleucine: max. 0.8 %
Any other ninhydrin-pos. Subst.: max. 0.2 %
Total impurities: max. 1.0 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-522-0
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CS:	29224985
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L-Isoleucine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE	A1440
CAS	73-32-5
MOLECULAR FORMULA	$C_6H_{13}NO_2$
MOLAR MASS	131.18 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A1440,1000	PACKAGING SIZE 1 kg

① Technical data

SOLUBILITY: 32 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1440

PRODUCT NAME: L-Isoleucine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT:

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
 α 20°C/D; 4 %; 250 g/L HCl; calc. on dried subst.:

+40.0° - +43.0°
Appearance of solution: passes test
Identity: passes test
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.3 %
 α 25°C/D; 4 %; 6 N HCl: +38.9° - +41.8°
pH (1 %; H₂O): 5.5 - 7.0
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
Valine: max. 0.3 %
Leucine: max. 0.3 %
Any other ninhydrin-pos. Subst.: max. 0.2 %
Total impurities: max. 1.0 %
Ninhydrin positive substances (TLC)
Valine: max. 0.5 %
Total impurities: max. 2 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-798-2
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CS:	29224985
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L-Histidine base (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1341

CAS

71-00-1

MOLECULAR FORMULA

C₆H₉N₃O₂

MOLAR MASS

155.16 g/mol

Packs sizes (3)



CODE

CODE
A1341,0100

PACKAGING SIZE

PACKAGING SIZE
100 g

Product active until stock lasts.



CODE
A1341,1000

PACKAGING SIZE
1 kg



CODE
A1341,5000

PACKAGING SIZE
5 kg

① Technical data

SOLUBILITY: 42 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1341
PRODUCT NAME:	L-Histidine base (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α20°C/D; 11 %, HCl 120 g/L; calc. on dried subst.: +11.4° - +12.4° α25°C/D; 11 %, 6 M HCl; calc. on dried subst.: +12.6° - +14.0° Appearance of solution: passes test Identity: passes test pH (2 %; H₂O; 25°C): 7.0 - 8.5 Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.2 % Heavy metals (as Pb): max. 0.0015 % Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) Each individual impurity: max. 0.2 % Total impurities: max. 0.5 % Ninhydrin positive substances (TLC) Each individual impurity: max. 0.5 % Total impurities: max. 2 %
WGK:	1
STORAGE:	RT
EINECS:	200-745-3
CS:	29332990

L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1591

CAS

5934-29-2

MOLECULAR FORMULA

$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$

MOLAR MASS

209.63 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1591,0100

PACKAGING SIZE
100 g



CODE
A1591,0500

PACKAGING SIZE
500 g



CODE
A1591,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 400 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1591
PRODUCT NAME:	L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α20°C/D; 11 %, HCl 120 g/L; calc. on dried subst.: +9.2° - +10.6° Appearance of solution: passes test Identity: passes test pH (5 %; H₂O): 3.0 - 5.0 Sulfated ash: max. 0.1 % Loss on drying: 7.0 - 10.0 % Ammonium: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) Each individual impurity: max. 0.2 % Total impurities: max. 0.5 %
WGK:	1
STORAGE:	RT
EINECS:	211-438-9
CS:	29332990

L-Glutamine (DAB, USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.0 - 101.0 %

CODE	A1420
CAS	56-85-9
MOLECULAR FORMULA	$C_5H_{10}N_2O_3$
MOLAR MASS	146.15 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1420,0250

PACKAGING SIZE
250 g



CODE
A1420,1000

PACKAGING SIZE
1 kg



CODE
A1420,9025

PACKAGING SIZE
25 kg

① Technical data

SOLUBILITY: 100 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1420
PRODUCT NAME:	L-Glutamine (DAB, USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.0 - 101.0 % α 20°C/D; 10 %, 2 M HCl, calc. on dried subst.: +31.5° - +33.0° α 20°C/D; 4 %, H ₂ O: +6.3° - +7.3° Appearance of solution: passes test Identity: passes test pH (25 g/L; H ₂ O): 4.0 - 6.0 Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.3 % Ninhydrin positive substances: max. 0.5 % Ammonium: max. 0.1 % Chloride: max. 0.02 % Sulfate: max. 0.02 % Fe: max. 0.001 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-292-1
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CS:	29241900
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L-Phenylalanine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1344

CAS

63-91-2

MOLECULAR FORMULA

C₉H₁₁NO₂

MOLAR MASS

165.19 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1344,1000

1 kg

① Technical data

SOLUBILITY: 27 g/L

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1344

PRODUCT NAME: L-Phenylalanine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT: • All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

α 25°C/D; 2 %, H₂O: -32.7° - -34.7°
Appearance of solution: passes test
Identity: passes test
pH (1 %; H₂O; 25°C): 5.4 - 6.0
Heavy metals (as Pb): max. 0.0015 %
Loss on drying (3 h; 105°C): max. 0.3 %
 α 20°C/D; 2 %, H₂O, calc. on dried subst.: -35.5° -
-33.0°
Sulfated ash: max. 0.1 %
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
each individual impurity: max. 0.2 %
Total impurities: max. 0.5 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 2 %

WGK:

1

STORAGE:

RT

EINECS:

200-568-1

CS:

29224985

L-Ornithine Hydrochloride (DAB) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.0 - 102.0 %

CODE

A1343

CAS

3184-13-2

MOLECULAR FORMULA

C₅H₁₂N₂O₂ · HCl

MOLAR MASS

168.62 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1343,1000

1 kg

① Technical data

SOLUBILITY: 100 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1343

PRODUCT NAME: L-Ornithine Hydrochloride (DAB) pure, pharma grade

HEADLINE COMMENT: • All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 99.0 - 102.0 %

α 20°C/D; 4 %, 6 M HCl: +23° - +25°
Appearance of solution: passes test
Identity: passes test
pH (2.5 %; H₂O): 5.0 - 6.0
Heavy metals (as Pb): max. 0.001 %
Sulfated ash: max. 0.1 %
Loss on drying: max. 0.5 %
Ninhydrin positive substances: max. 0.5 %
Ammonium: max. 0.02 %
Sulfate: max. 0.02 %
Fe: max. 0.001 %

WGK:	1
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STORAGE:	RT
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EINECS:	221-678-6
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CS:	29224985
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L-Methionine (Ph. Eur., USP) pure, pharma grade

Assay (titr.): 99.0 - 101.0 %

CODE	A1340
CAS	63-68-3
MOLECULAR FORMULA	C ₅ H ₁₁ NO ₂ S
MOLAR MASS	149.21 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A1340,0100	PACKAGING SIZE 100 g
	CODE A1340,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	48 g/L (H ₂ O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1340
PRODUCT NAME:	L-Methionine (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS:

Assay (titr.): 99.0 - 101.0 %
 α 25°C/D; 2 %, 6 M HCl: +22.4° - +24.7°
Appearance of solution: passes test
Identity: passes test
pH (1 %; H₂O): 5.6 - 6.1
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.3 %
 α 20°C/D; 2 %, 250 g/L HCl (calc. on dried subst.):
+22.5° - +24.0°
pH (2.5 %; H₂O): 5.5 - 6.5
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Related substances (Ph. Eur.)
Each individual impurity: max. 0.1 %
Total impurities: max. 0.3 %
Related substances (USP)
Methionine sulfoxide: max. 0.1 %
N-Acetyl-D,L- methionine: max. 0.2 %
Any unspecified impurity: max. 0.1 %
Total unspecified impurities: max. 0.30 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-562-9
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CS:	29304010
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L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1706

CAS

657-27-2

MOLECULAR FORMULA

$C_6H_{14}N_2O_2 \cdot HCl$

MOLAR MASS

182.65 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A1706,1000

PACKAGING SIZE
1 kg



CODE
A1706,9025

PACKAGING SIZE
25 kg

Technical data

SOLUBILITY: 420 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1706

PRODUCT NAME: L-Lysine Monohydrochloride (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α25°C/D; 8 %, 6 M HCl: +20.4° - +21.4° Appearance of solution: passes test Identity: passes test Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.4 % α20°C/D; 8 %, HCl 250 g/L, calc. on dried subst.: +21.0° - +22.5° Ammonium: max. 0.02 % Chloride: 19.0 - 19.6 % Sulfate: max. 0.03 % Fe: max. 0.003 % Ninhydrin positive substances (HPLC) Each individual impurity: max. 0.2 % Total impurities: max. 1.0 % Ninhydrin positive substances (TLC) Each individual impurity: max. 0.5 % Total impurities: max. 2 % Elemental impurities (according to ICH Q3D): passes test

WGK:	1
STORAGE:	RT

EINECS:	211-519-9
CS:	29224100

L-Lysine 1-hydrate (DAB) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.5 %

CODE

A1342

CAS

39665-12-8

MOLECULAR FORMULA

$C_6H_{14}N_2O_2 \cdot H_2O$

MOLAR MASS

164.21 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1342,0100

PACKAGING SIZE
100 g



CODE
A1342,0250

PACKAGING SIZE
250 g



CODE
A1342,9010

PACKAGING SIZE
10 kg

① Technical data

SOLUBILITY: 300 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1342
PRODUCT NAME:	L-Lysine 1-hydrate (DAB) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.5 % α20°C/D; 8 %, 6 M HCl, calc. on dried subst.: +25.5° - +27.0° Appearance of solution: passes test Identity: passes test pH (2.5 %; H₂O): 9.0 - 10.5 Heavy metals (as Pb): max. 0.001 % Sulfated ash: max. 0.1 % Ninhydrin positive substances: max. 0.5 % Water (K.F.): 10.0 - 11.5 % Ammonium: max. 0.02 % Chloride: max. 0.03 % Sulfate: max. 0.02 % Fe: max. 0.001 % Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Ti): max. 0.8 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm Class 3 (Mo): max. 25 ppm Class 3 (Cr): max. 25 ppm

Class 3 (Cu): max. 250 ppm
Class 3 (Sn): max. 600 ppm

WGK: 1

STORAGE: RT

EINECS: 200-294-2

CS: 29224100

L-Tyrosine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.0 - 101.0 %

CODE

A1677

CAS

60-18-4

MOLECULAR FORMULA

C₉H₁₁NO₃

MOLAR MASS

181.19 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1677,1000

1 kg

① Technical data

SOLUBILITY: 0.4 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1677

PRODUCT NAME: L-Tyrosine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT: • All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 99.0 - 101.0 %
α₂₀°C/D; 5 %, 1 N HCl, calc. on dried subst.: -12.3°

- -11.0°

Appearance of solution: passes test

Identity: passes test

Heavy metals (as Pb): max. 0.0015 %

Sulfated ash: max. 0.1 %

Loss on drying (3 h; 105°C): max. 0.3 %

α 25°C/D; 5 %, 1 N HCl: -11.2° - -9.8°

Ammonium: max. 0.02 %

Chloride: max. 0.02 %

Sulfate: max. 0.03 %

Fe: max. 0.001 %

Ninhydrin positive substances (HPLC)

Phenylalanine: max. 0.5 %

Any other ninhydrin-pos. Subst.: max. 0.2 %

Total impurities: max. 0.6 %

Ninhydrin positive substances (TLC)

Each individual impurity: max. 0.5 %

Total impurities: max. 2 %

WGK:

1

STORAGE:

RT

EINECS:

200-460-4

CS:

29225000

L-Tryptophan (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1645

CAS

73-22-3

MOLECULAR FORMULA

C₁₁H₁₂N₂O₂

MOLAR MASS

204.23 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1645,0100

PACKAGING SIZE
100 g



CODE
A1645,0500

PACKAGING SIZE
500 g



CODE
A1645,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 10 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1645
PRODUCT NAME:	L-Tryptophan (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α20°C/D; 1 %, H₂O, calc. on dried subst.: -33.0° - -30.0° Appearance of solution: passes test Identity: passes test pH (1 %; H₂O; 20°C): 5.5 - 7.0 Heavy metals (as Pb): max. 0.0015 % Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.3 % α25°C/D; 1 %, H₂O: -32.8° - -29.4° Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.002 % Ninhydrin positive substances (HPLC) each individual impurity: max. 0.2 % Total impurities: max. 0.5 % Impurity A and other related subst. (HPLC) Total impurity befor Tryptophan: max. 0.01 % Total impurity afterTryptophan: max. 0.03 % Impurity A: max. 0.001 %
WGK:	1
STORAGE:	RT
EINECS:	200-795-6
CS:	29339980

L-Threonine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.0 - 101.0 %

CODE

A1419

CAS

72-19-5

MOLECULAR FORMULA

C₄H₉NO₃

MOLAR MASS

119.12 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1419,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 90 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1419

PRODUCT NAME: L-Threonine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT:

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 99.0 - 101.0 %
α₂₀°C/D; 6 %, H₂O, calc. on dried subst.: -27.6° -

-29.0°

Appearance of solution: passes test

Identity: passes test

pH (2.5 %; H₂O): 5.0 - 6.5

Heavy metals (as Pb): max. 0.0015 %

Sulfated ash: max. 0.1 %

Loss on drying (3 h; 105°C): max. 0.2 %

α 25°C/D; 6 %, H₂O: -26.7° - -29.1°

pH (5 %; H₂O): 5.0 - 6.5

Ammonium: max. 0.02 %

Chloride: max. 0.02 %

Sulfate: max. 0.03 %

Fe: max. 0.001 %

Ninhydrin positive substances (HPLC)

each individual impurity: max. 0.2 %

Total impurities: max. 0.5 %

Ninhydrin positive substances (TLC)

Each individual impurity: max. 0.5 %

Total impurities: max. 2 %

WGK:

1

STORAGE:

RT

EINECS:

200-774-1

CS:

29225000

L-Serine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE	A1708
CAS	56-45-1
MOLECULAR FORMULA	C ₃ H ₇ NO ₃
MOLAR MASS	105.09 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A1708,0100	PACKAGING SIZE 100 g
	CODE A1708,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	364 g/L (H ₂ O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1708
PRODUCT NAME:	L-Serine (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS:

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
 α 20°C/D; 10 %, 2 M HCl, calc. on dried subst.:
+14.0° - +16.0°
 α 25°C/D; 10 %, 2 N HCl: +14.0° - +15.6°
Appearance of solution: passes test
Identity: passes test
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.2 %
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
each individual impurity: max. 0.2 %
Total impurities: max. 0.5 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 2 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-274-3
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CS:	29225000
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L-Proline (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE	A1707
CAS	147-85-3
MOLECULAR FORMULA	C ₅ H ₉ NO ₂
MOLAR MASS	115.13 g/mol

Packs sizes (3)



CODE
A1707,0100

PACKAGING SIZE
100 g



CODE
A1707,1000

PACKAGING SIZE
1 kg



CODE
A1707,9020

PACKAGING SIZE
20 kg

① Technical data

SOLUBILITY: 1500 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A1707
PRODUCT NAME:	L-Proline (Ph. Eur., USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.5 - 101.0 % α25°C/D; 4 %, H₂O: -84.3° - -86.3° Appearance of solution: passes test Identity: passes test Heavy metals (as Pb): max. 0.0015 % Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.4 % α20°C/D; 4 %, H₂O, calc. on dried subst.: -84.0° - -86.0° Ammonium: max. 0.02 % Chloride: max. 0.02 % Sulfate: max. 0.03 % Fe: max. 0.001 % Ninhydrin positive substances (HPLC) Each individual impurity: max. 0.2 % Total impurities: max. 0.5 % Ninhydrin positive substances (TLC) Each individual impurity: max. 0.5 % Total impurities: max. 2 %

WGK:	1
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STORAGE:	RT
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EINECS:	205-702-2
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CS:	29339980
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Magnesium Chloride 6-hydrate (BP, Ph. Eur.) pure, pharma grade

Assay (Compl.): 98.0-101.0%

CODE	141396
CAS	7791-18-6
MOLECULAR FORMULA	$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$
MOLAR MASS	203.30 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141396.1211	PACKAGING SIZE 1000 g
	CODE 141396.0914	PACKAGING SIZE 5 kg
	CODE 141396.0416	PACKAGING SIZE 25 kg

① Technical data

MELTING POINT:	117 °C
SOLUBILITY:	water 1,670 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141396
PRODUCT NAME:	Magnesium Chloride 6-hydrate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Compl.): 98.0-101.0% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Ammonium (NH₄): 0.005%
Bromide (Br): 0.05%
Phosphate (PO₄): 0.003 %
Sulfate (SO₄): 0.01%
Residual solvents (Ph.Eur.): passes test
Water (H₂O): 51.0-55.0 %
Al: 0,0001 %
Ca: 0,1 %
Fe: 0,001 %
K: 0,0500 %

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Magnesium Chloride 6-hydrate
EINECS:	232-094-6
CS:	2827 31 00 00

Light liquid Paraffin (USP-NF, BP, Ph. Eur.) pure, pharma grade

CODE	146257
CAS	8042-47-5

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 146257.1211	PACKAGING SIZE 1000 ml

 Technical data	
BOILING POINT:	300 - 450 °C
DENSITY:	0.845 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	146257
PRODUCT NAME:	Light liquid Paraffin (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test Density 20/20: 0.810-0.875 Density 25/25: 0.818-0.880 Viscosity kinematic 39.9-40.1°C: 3.0-33.5 mm2/s Viscosity dynamic 19.9-20.1°C: 25-80 mPas

Maximum limit of impurities

Acidity or alkalinity: passes test

Darkened substances by H₂SO₄: passes test

Sulfur compounds: passes test

Solid Paraffin: passes test

Residual solvents (Ph.Eur/USP): passes test

Polycyclic aromatic hydrocarbons: passes test

HAZARD PICTOGRAMS



STORAGE:

Storage away from direct light.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS08

H PHRASES:

H304

P PHRASES:

P301+P310

P331

P405

P501

MASTER NAME:

Light liquid Paraffin

EINECS:

232-455-8

CS:

2710 19 85 00

L-Valine (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 98.5 - 101.0 %

CODE

A1637

CAS

72-18-4

MOLECULAR FORMULA

C₅H₁₁NO₂

MOLAR MASS

117.15 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1637,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 85 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1637

PRODUCT NAME: L-Valine (Ph. Eur., USP) pure, pharma grade

HEADLINE COMMENT:

- All amino acids from AppliChem are of non-animal origin!

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
α₂₀°C/D; 8 %, 250 g/L HCl, calc. on dried subst.:

+26.5° - +29.0°
Appearance of solution: passes test
Identity: passes test
pH (5 %; H₂O): 5.5 - 7.0
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.3 %
α25°C/D; 8 %, 6 M HCl: +26.6° - +28.8°
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
Isoleucine: max. 0.4 %
Any other ninhydrin-pos. Subst.: max. 0.2 %
Total impurities: max. 1.0 %
Related subst. (TLC)
Any unspecified impurity: max. 0.2 %
Sum of other amino acids: max. 1.0 %
Isoleucine: max. 0.2 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-773-6
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CS:	29224985
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L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade

(S)-2-Hydroxypropanoic Acid

Assay (C₃H₆O₃): 88.0-92.0 %

CODE 141034

CAS 79-33-4

MOLECULAR FORMULA C₃H₆O₃

MOLAR MASS 90.08 g/mol

Packs sizes (3)



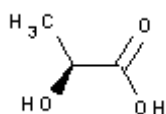
CODE	PACKAGING SIZE
CODE 141034.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 141034.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 141034.0716	PACKAGING SIZE 25 l



① Technical data

MELTING POINT:	18 °C
BOILING POINT:	122 °C
DENSITY:	1.20 kg/l
REFRACTIVE INDEX:	20/D 1.4251
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141034
PRODUCT NAME:	L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (C ₃ H ₆ O ₃): 88.0-92.0 % Minimum assay (as S-enantiomer): 95.0 % del C ₃ H ₆ O ₃ Identity according to Pharmacopoeias:: passes test Density 20/20: 1.20-1.21

Maximum limit of impurities

Appearance: passes test
Insoluble matter in Ether-insoluble substances: passes test
Insoluble matter in H₂O: passes test
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): 0.05 %
Chloride (Cl): 0.002%
Sulfate (SO₄): 0.002%
Residual solvents (Ph.Eur.): passes test
Citric, oxalic and phosphoric acids: passes test
Volatile fatty acids: passes test
Sugars and other reducing substances: passes test
Ca: 0.02 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362
MASTER NAME:	L(+)-Lactic Acid
SYNONYMS LONG TEXT:	(S)-2-Hydroxypropanoic Acid
EINECS:	201-196-2
CS:	2918 11 00 00

L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pharma grade, BioChemica

(R)-5-[(S)-1,2-Dihydroxyethyl]-3,4-Dihydroxy-5-(H)-Furan-2-one, Vitamin C

Assay (Iodom.): 99.0-100.5%

CODE	141013
CAS	50-81-7
MOLECULAR FORMULA	C ₆ H ₈ O ₆
MOLAR MASS	176.13 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

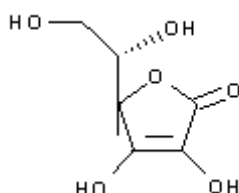
CODE
141013.1211

PACKAGING SIZE
1000 g



CODE
141013.1214

PACKAGING SIZE
5 kg



 Technical data

MELTING POINT: 192 °C

SOLUBILITY: water 333 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141013

PRODUCT NAME: L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pharma grade, BioChemica

QUALITY NAME: pharma grade, BioChemica

SPECIFICATIONS: Assay (Iodom.): 99.0-100.5%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 2.2 - 2.5
Specific rotation α 20/D c=10 (in H₂O): +20.5 - +21.5°

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: passes test
Residue on ignition (as SO₄): 0.1 %
Chloride (Cl): 0.005%
Sulfate (SO₄): 0.002%
Related substances:: passes test
L-Sorbosonic Acid: 0.1%
Methyl-L-Sorbosonate: 0.15%
Other impurities: 0.10%
Total impurities: 0.2%
Residual solvents (Ph.Eur/USP): passes test
Oxalic acid: 0.2%
Heavy Metals (ICP-OES): 0.001 %
Cu: 0,0005 %
Fe: 0,0002 %

WGK: 1

STORAGE: Storage away from direct light.

MASTER NAME: L(+)-Ascorbic Acid

SYNONYMS LONG TEXT:	(R)-5-[(S)-1,2-Dihydroxyethyl]-3,4-Dihydroxy-5-(H)-Furan-2-one, Vitamin C
EINECS:	200-066-2
CS:	2936 27 00 00

Manganese(II) Chloride 4-hydrate (USP) pharma grade

Assay (Compl.) calc. applied anh. subst.: 98.0-101.0%

CODE	191410
CAS	13446-34-9
MOLECULAR FORMULA	MnCl ₂ .4H ₂ O
MOLAR MASS	197.91 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 191410.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	58 °C
SOLUBILITY:	water 1,980 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	191410
PRODUCT NAME:	Manganese(II) Chloride 4-hydrate (USP) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Compl.) calc. applied anh. subst.:

98.0-101.0%

Identity according to Pharmacopoeias:: passes test

pH of 5% solution: 3.5-6.0

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Loss on drying at 150°C: 36.0-38.5 %

Sulfate (SO₄): 0.005%

Non-precipitated substances by S(NH₄)₂ (as SO₄): 0.2 %

Residual solvents (Ph.Eur/USP): passes test

Fe: 0.0005 %

Zn: passes test

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

H PHRASES:

H302

P PHRASES:

P264

P270

P301+P312

P330

P501

P391

MASTER NAME:

Manganese(II) Chloride 4-hydrate

EINECS:

231-869-6

CS:

2827 39 85 90

Maleic Acid (BP, Ph. Eur.) pure, pharma grade

(Z)-Butenedioic Acid, cis-1,2-Ethylenedicarboxylic Acid, Toxilic Acid

Assay (Acidim.) calc. a.d.s.: 99.0-101.0%

CODE

141882

CAS

110-16-7

MOLAR MASS

116.07 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141882.1211

1000 g

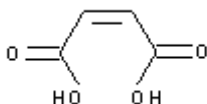


CODE

PACKAGING SIZE

141882.0416

25 kg



Technical data

MELTING POINT:

139 °C

SOLUBILITY:

water 788 g/l at 25 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141882
PRODUCT NAME:	Maleic Acid (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 99.0-101.0% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
 Insoluble matter in H₂O: passes test
 Residue on ignition (as SO₄): 0.1 %
 Residual solvents (Ph.Eur.): passes test
 Fumaric Acid: passes test
 Water (H₂O): 1.5 %
 Heavy metals (as Pb): 0.001%
 Fe: 0.0005 %

HAZARD PICTOGRAMS



UN:	3261
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning

GHS SYMBOLS:	GHS07
H PHRASES:	H302 H319 H335 H315 H317
P PHRASES:	P264 P261 P270 P271 P272 P501 P280 P301+P312 P302+P352 P304+P340 P305+P351+P338 P312 P321 P330 P332+P313 P333+P313 P337+P313 P362 P363 P403+P233 P405

MASTER NAME:	Maleic Acid
SYNONYMS LONG TEXT:	(Z)-Butenedioic Acid, cis-1,2-Ethylenedicarboxylic Acid, Toxilic Acid
EINECS:	203-742-5
CS:	2917 19 80 90
INDEX NR.:	607-095-00-3

Magnesium Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Epsom Salt

Assay (Compl.) (calc. a.a.s): 99.0-100.5%

CODE	141404
CAS	10034-99-8
MOLECULAR FORMULA	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
MOLAR MASS	246.48 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141404.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141404.0914	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141404.0416	PACKAGING SIZE 25 kg

① Technical data

SOLUBILITY: water 710 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	141404
PRODUCT NAME:	Magnesium Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Compl.) (calc. a.a.s): 99.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 5.0-9.2

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in H₂O: 0.025 %
Loss on drying at 450°C: 48.0-52.0 %
Chloride (Cl): 0.014%
Ammonium (NH₄): 0.005%
Phosphate (PO₄): 0.002 %
Residual solvents (Ph.Eur/USP): passes test
Fe: 0,002 %
Se: 0,0015 %
Complies USP 2018 specifications

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Magnesium Sulphate 7-hydrate
SYNONYMS LONG TEXT:	Epsom Salt
EINECS:	231-298-2
CS:	2833 21 00 00

Magnesium Sulfate 65% dry, powder (BP) pure, pharma grade

Epsom Salt

Assay (Compl.) calc. a.d.s.: 99.0 - 100.5 %

CODE

141673

CAS

7487-88-9

MOLECULAR FORMULA

MgSO₄.xH₂O

MOLAR MASS

120.36 (anh) g/mol

Packs sizes (1)



CODE

PACKAGING
SIZE

CODE
141673.0416

PACKAGING
SIZE
25 kg

Product discontinued. Please check CAS-No.
for alternative or contact our Customer
Service.

① Technical data

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

141673

PRODUCT NAME:

Magnesium Sulfate 65% dry, powder (BP) pure,
pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s.: 99.0 - 100.5 %
Assay (Compl.): 62.0 - 70.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance: passes test
Acidity or alkalinity: passes test
Insoluble matter in H₂O: passes test
Loss on drying at 450°C: 30.0-38.0 %
Chloride (Cl): 0.04%
As: 0.00015 %
Ca: 0.05 %
Fe: 0.003 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Magnesium Sulphate 65% dry, *powder

SYNONYMS LONG TEXT: Epsom Salt

EINECS: 231-298-2

CS: 2833 21 00 00

Magnesium Oxide light (BP, Ph. Eur.) pure, pharma grade

Assay (Compl.) calc. a.i.s.: 98.0-100.5%

CODE	141276
CAS	1309-48-4
MOLECULAR FORMULA	MgO
MOLAR MASS	40.30 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141276.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 141276.1211	PACKAGING SIZE 1000 g	

Technical data

MELTING POINT:	2,800 °C
BOILING POINT:	3,600 °C
SOLUBILITY:	water 0.08 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141276
---------------	--------

PRODUCT NAME: Magnesium Oxide light (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Compl.) calc. a.i.s.: 98.0-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in CH₃COOH: 0.1 %

Soluble matter in H₂O: 2.0 %

Loss on ignition 900°C: 8.0 %

Chloride (Cl): 0.15%

Sulfate (SO₄): 1.0%

Residual solvents (Ph.Eur.): passes test

Heavy metals (as Pb): 0.003%

Ca: 1.5 %

Fe: 0.1 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Magnesium Oxide

EINECS: 215-171-9

CS: 2519 90 10 90

N,N-Dimethylacetamide (BP, Ph. Eur.) pure, pharma grade

Acetic Acid Dimethylamide, DMAC

Minimum assay (G.C.): 99.0%

CODE	143145
CAS	127-19-5
MOLECULAR FORMULA	C ₄ H ₉ NO
MOLAR MASS	87.12 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
143145.1612

PACKAGING SIZE
2.5 l



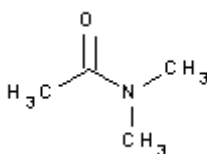
CODE
143145.0716

PACKAGING SIZE
25 l



CODE
143145.3619

PACKAGING SIZE
200 l



① Technical data

MELTING POINT: -20 °C

BOILING POINT: 165 °C

DENSITY: 0.942 kg/l

REFRACTIVE INDEX: 20/D 1.423

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 143145

PRODUCT NAME: N,N-Dimethylacetamide (BP, Ph. Eur.) pure,
pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (G.C.): 99.0%
Identity according to Pharmacopoeias:: passes
test
Density 20/20: 0.941-0.944

Maximum limit of impurities

Appearance: passes test

Acidity: passes test

Alkalinity: passes test

Non-volatile matter: 0.002 %

Related substances:

Individual impurity: 0.1%

Total impurities: 0.3%

Residual solvents (Ph.Eur.): passes test

Water (H₂O): 0.1 %

HAZARD PICTOGRAMS



STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS08
GHS07

H PHRASES: H360D
H332
H312

P PHRASES: P201
P202
P261
P271
P281
P302+P352
P304+P340
P308+P313
P312
P322
P363
P405
P501

MASTER NAME: N,N-Dimethylacetamide

SYNONYMS LONG TEXT: Acetic Acid Dimethylamide, DMAC

EINECS: 204-826-4

CS: 2924 19 00 90

INDEX NR.: 616-011-00-4

Mupirocin (USP) pure, pharma grade

Assay (HPLC, calc. on dried subst.): 920 - 1020 µg/mg

CODE

A4718

CAS

12650-69-0

MOLECULAR FORMULA

C₂₆H₄₄O₉

MOLAR MASS

500.62 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A4718,0025

PACKAGING SIZE
25 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A4718

PRODUCT NAME:

Mupirocin (USP) pure, pharma grade

SPECIFICATIONS:

Assay (HPLC, calc. on dried subst.): 920 - 1020 µg/mg
Identity: passes test
Crystallinity: passes test
pH (saturated solution; H₂O; 25°C): 3.5 - 4.5
Water (K.F.): max. 1.0 %

WGK:

1

STORAGE:

RT

CS:

29419000

Methyl Green (C.I. 42585) (Ph. Fr.) pharma grade

Assay (as Zn) calc. a.d.s.: 5.0-7.5 %

CODE

191704

CAS

14855-76-6

MOLECULAR FORMULA

$C_{27}H_{35}BrClN_3$

MOLAR MASS

516.95 g/mol

Packs sizes (1)



CODE

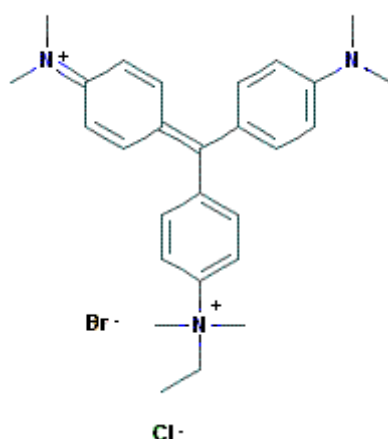
PACKAGING SIZE

CODE

191704.0914

PACKAGING SIZE

5 kg



SOLUBILITY: water 70 g/l at 25 °C
alcohol 1 g/l

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 191704

PRODUCT NAME: Methyl Green (C.I. 42585) (Ph. Fr.) pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS: Assay (as Zn) calc. a.d.s.: 5.0-7.5 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Loss on drying at 105°C: 10.0%

Elemental impurities according to ICH Q3D guide:

No metal catalysts are used in the manufacturing process. Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

WGK: 3

STORAGE: Room Temperature.

MASTER NAME: Methyl Green (C.I. 42585)

EINECS: 238-920-1

CS: 3204 13 00 90

Methyl 4-Hydroxybenzoate (USP-NF, BP, Ph. Eur., JP) pure, pharma grade

4-Hydroxybenzoic Acid Methyl Ester, Methyl Paraben, Methyl p-Hydroxybenzoate

Assay: 99.0-100.5%

CODE 143332

CAS 99-76-3

MOLECULAR FORMULA $C_8H_8O_3$

MOLAR MASS 152.15 g/mol

Packs sizes (1)

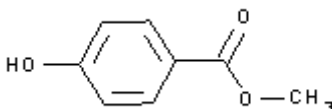


CODE

PACKAGING SIZE

CODE
143332.1210

PACKAGING SIZE
500 g



① Technical data

MELTING POINT: 131 °C

BOILING POINT: 270 °C

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	143332
PRODUCT NAME:	Methyl 4-Hydroxybenzoate (USP-NF, BP, Ph. Eur., JP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay: 99.0-100.5% Identity according to Pharmacopoeias:: passes test A 1% , 1 cm, λ 258 nm: 1040-1120 Melting range: 125-128°C T.L.C.: passes test Maximum limit of impurities Appearance and colour of solution: passes test Acidity: passes test Insoluble matter in C₂H₅OH 96%: passes test Residue on ignition (as SO₄): 0.1 % Residual solvents (Ph.Eur/USP): passes test Unspecified impurities: 0.5 % Total impurities: 1.0 % Impurity A (4-Hydroxybenzoic Acid): 0.5 % Related substances: Heavy metals (as Pb): 0.0020 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Methyl 4-Hydroxybenzoate
SYNONYMS LONG TEXT:	4-Hydroxybenzoic Acid Methyl Ester, Methyl Paraben, Methyl p-Hydroxybenzoate
EINECS:	202-785-7
CS:	2918 29 00 90

ortho-Phosphoric Acid 10% (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.) (w/w) (Ph. Eur.): 9.5 - 10.5 %

CODE	147143
CAS	7664-38-2
MOLECULAR FORMULA	H3P04
MOLAR MASS	98.00 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 147143.1214	PACKAGING SIZE 5 l
	CODE 147143.0716	PACKAGING SIZE 25 l
	CODE 147143.9774	PACKAGING SIZE 1000 l

Technical data

DENSITY:	1.05 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	Clear liquid

PRODUCT CODE:	147143
PRODUCT NAME:	ortho-Phosphoric Acid 10% (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (w/w) (Ph. Eur.): 9.5 - 10.5 % Assay (Acidim.) (w/v) (USP-NF): 9.5 - 10.5 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Chloride (Cl): 0.0006 % Sulfate (SO₄) (Ph. Eur.): 0.0010 % Sulfate (SO₄) (USP-NF): passes test Precipitated substances by NH₄OH: passes test Residual solvents (Ph.Eur/USP): passes test Nitrate (NO₃): passes test Hypophosphorous and phosphorous acid: passes test Alkaline phosphates: passes test Fe: 0.0006 %

HAZARD PICTOGRAMS



UN:	1805
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05

H PHRASES: H290
H315
H319

P PHRASES: P280
P305+P351+P338
P332+P313
P337+P313
P362
P501

MASTER NAME: ortho-Phosphoric Acid 10%

EINECS: 231-633-2

CS: 2809 20 00 00

INDEX NR.: 015-011-00-6

Oleic Acid (Ph. Eur.) pure, pharma grade

(Z)-9-Octadecenoic Acid

Assay Ph. Eur. (G.C.): 65.0 - 88.0 %

CODE

142659

CAS

112-80-1

MOLECULAR FORMULA

C₁₈H₃₄O₂

MOLAR MASS

282.47 g/mol

Packs sizes (3)



CODE

CODE

142659.1611

PACKAGING SIZE

PACKAGING SIZE

1000 ml



CODE

142659.1612

PACKAGING SIZE

2,5 l

Product active until stock lasts.

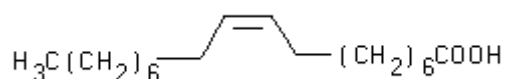


CODE

142659.0716

PACKAGING SIZE

25 l



① Technical data

MELTING POINT:	4 °C
BOILING POINT:	286 °C
DENSITY:	0.890 kg/l
SOLUBILITY:	Insoluble in water
REFRACTIVE INDEX:	18/D 1.463
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	142659
PRODUCT NAME:	Oleic Acid (Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
HEADLINE COMMENT:	Animal origin
SPECIFICATIONS:	Assay Ph. Eur. (G.C.): 65.0 - 88.0 % Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance (Residue on ignition (as SO₄): 0.1 %

Acidity value: 196-204

Iodine value: 89-105

Peroxide value: 10.0

Residual solvents (Ph.Eur.): passes test

Composition of fatty acids:

Myristic acid: 5.0 %

Palmitic acid: 16.0 %

Palmitoleic acid: 8.0 %

Stearic acid: 6.0 %

Linoleic acid: 18.0 %

Linolenic acid: 4.0 %

Fatty acids with chain length greater than C18: 4.0 %

Margaric acid: 4.0 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H335
P PHRASES:	P261 P264 P271 P280 P302+P352 P501 P304+P340 P305+P351+P338 P312 P321 P332+P313 P337+P313 P362 P403+P233 P405
MASTER NAME:	Oleic Acid
SYNONYMS LONG TEXT:	(Z)-9-Octadecenoic Acid
EINECS:	204-007-1
CS:	2916 15 00 00

Nitric Acid 69% (BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 68.0-70.0 %

CODE 141037

CAS 7697-37-2

MOLECULAR FORMULA HNO_3

MOLAR MASS 63.01 g/mol

Packs sizes (3)



CODE PACKAGING SIZE

CODE 141037.1611 PACKAGING SIZE 1000 ml



CODE 141037.1214 PACKAGING SIZE 5 l



CODE 141037.0716 PACKAGING SIZE 25 l

Product active until stock lasts.

① Technical data

MELTING POINT: ~ - 32 °C

BOILING POINT: 122 °C

DENSITY: 1.411 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	141037
PRODUCT NAME:	Nitric Acid 69% (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 68.0-70.0 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Residue on ignition (as SO₄): 0.0005 % Chloride (Cl): 0.00005% Sulfate (SO₄): 0.0001% Clarity and colour: passes test Residual solvents (Ph.Eur.): passes test Heavy metals (as Pb): 0.00002% Fe: 0.0010 %
HAZARD PICTOGRAMS	
UN:	2031
CLASS/PG:	8(5.1)/II
ADR:	8(5.1)/II
IMDG:	8(5.1)/II
IATA:	8(5.1)/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger

GHS SYMBOLS:	GHS05 GHS03 GHS06
H PHRASES:	H314 H272 H290 H331 EUH071
P PHRASES:	P210 P220 P221 P260 P264 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P370+P378 P405

MASTER NAME:	Nitric Acid 69%
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EINECS:	231-714-2
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CS:	2808 00 00 00
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INDEX NR.:	007-004-00-1
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Nicotinic Acid (Ph. Eur., USP) pure, pharma grade

Assay (titr., calc. on dried subst.): 99.5 - 100.5 %

CODE

A0963

CAS

59-67-6

MOLECULAR FORMULA

C₆H₅NO₂

MOLAR MASS

123.11 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A0963,0100

PACKAGING SIZE
100 g



CODE
A0963,0250

PACKAGING SIZE
250 g



CODE
A0963,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 18 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE:	A0963
PRODUCT NAME:	Nicotinic Acid (Ph. Eur., USP) pure, pharma grade
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.5 - 100.5 % Assay (HPLC, calc. on dried subst.): 98.0 - 102.0 % Identity: passes test Sulfated ash: max. 0.1 % Loss on drying (1 h; 105°C): max. 1.0 % Related subst.: passes test Chloride: max. 0.02 % Sulfate: max. 0.02 % Elemental impurities (according to ICH Q3D): passes test

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

EINECS:	200-441-0
CS:	29362900

Nicotinamide (Ph. Eur., USP) pure, pharma grade

Assay (HPLC, calc. on dried subst.): 98.5 - 101.0 %

CODE	A0959
CAS	98-92-0
MOLECULAR FORMULA	C ₆ H ₆ N ₂ O
MOLAR MASS	122.13 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
A0959,0250	250 g

Technical data

SOLUBILITY: 1000 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A0959

PRODUCT NAME: Nicotinamide (Ph. Eur., USP) pure, pharma grade

SPECIFICATIONS: Assay (HPLC, calc. on dried subst.): 98.5 - 101.0 %
Assay (titr., calc. on dried subst.): 99.0 - 101.0 %
Appearance of solution: passes test
Identity: passes test
pH (5 %; H₂O; 25°C): 6.0 - 7.5

Heavy metals (as Pb): max. 0.003 %
Sulfated ash: max. 0.1 %
Loss on drying: max. 0.5 %
Darkened substances by H₂SO₄: passes test
Melting range: 128 - 131°C
Related subst. (HPLC)
Total impurities: max. 0.2 %
Each individual impurity: max. 0.1 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

EINECS:	202-713-4
CS:	29362900

Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade

Carbolic Acid, Hydroxybenzene, Oxybencene, Phenic Acid, Phenyl Hydroxyde, Phenylic Acid

Assay (C₆H₆O): 99.0-100.5%

CODE 144852

CAS 108-95-2

MOLECULAR FORMULA C₆H₆O

MOLAR MASS 94.11 g/mol

Packs sizes (2)

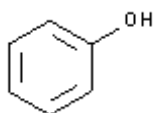


CODE PACKAGING SIZE

CODE 144852.1211 PACKAGING SIZE 1000 g



CODE 144852.0914 PACKAGING SIZE 5 kg



① Technical data

MELTING POINT: 40.85 °C

BOILING POINT: 182 °C

SOLUBILITY: water 90 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 144852

PRODUCT NAME: Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (C₆H₆O): 99.0-100.5%
Identity according to Pharmacopoeias:: passes test
Freezing point (a.d.s.): $\geq 39.5^{\circ}\text{C}$

Maximum limit of impurities

Appearance of solution: passes test

Acidity: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.05 %

Chloride (Cl): 0.005%

Residual solvents (Ph.Eur/USP): passes test

m-Cresol (G.C.): 0.1%

o-Cresol (G.C.): 0.1%

p-Cresol (G.C.): 0.1%

Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



UN: 1671

CLASS/PG: 6.1/II

ADR: 6.1/II

IMDG:	6.1/II
IATA:	6.1/II
WGK:	2
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS05 GHS08
H PHRASES:	H331 H311 H301 H314 H373 H341
P PHRASES:	P201 P202 P260 P261 P264 P501 P270 P271 P280 P281 P301+P310 P301+P330+P331 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P308+P313 P310 P311 P312 P314 P321 P322 P330

P338
P361
P363
P403+P233
P405

MASTER NAME:	Phenol crystallized *(detached crystals)
SYNONYMS LONG TEXT:	Carbolic Acid, Hydroxybenzene, Oxybencene, Phenic Acid, Phenyl Hydroxyde, Phenylic Acid
EINECS:	203-632-7
CS:	2907 11 00 00
INDEX NR.:	604-001-00-2

Phenol 90% aqueous solution (USP) pure, pharma grade

Carbolic Acid, Hydroxybenzene, Oxybenzene, Phenic Acid, Phenyl Hydroxyde, Phenylic Acid

Minimum assay (C₆H₆O): 89.0%

CODE 141323

CAS 108-95-2

MOLECULAR FORMULA C₆H₅OH

MOLAR MASS 94.11 g/mol

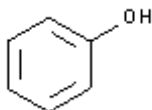
Packs sizes (2)



CODE	PACKAGING SIZE
141323.1611	1000 ml



CODE	PACKAGING SIZE
141323.0716	25 l



① Technical data

BOILING POINT: 182 °C

DENSITY: 1.07 kg/l

SOLUBILITY: water 90 g/l at 20 °C

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141323

PRODUCT NAME: Phenol 90% aqueous solution (USP) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay (C₆H₆O): 89.0%
Identity according to Pharmacopoeia: passes test
Destillation point: < 182.5°C

Maximum limit of impurities

Appearance of solution and reaction: passes test

Acidity: passes test

Insoluble matter in H₂O: 0.01 %

Non-volatile matter: 0.05 %

Chloride (Cl): 0.005%

Residual solvents (USP): passes test

m-Cresol (G.C.): 0.1%

o-Cresol (G.C.): 0.1%

p-Cresol (G.C.): 0.1%

Water (H₂O) (w/w): 9-11 %

HAZARD PICTOGRAMS



UN: 2821

CLASS/PG: 6.1/II

ADR: 6.1/II

IMDG:	6.1/II
IATA:	6.1/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS06 GHS08
H PHRASES:	H301 H311 H314 H331 H341 H373
P PHRASES:	P201 P202 P260 P261 P264 P501 P270 P271 P280 P281 P301+P310 P301+P330+P331 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P308+P313 P310 P311 P312 P314 P321 P322 P330

P338
P361
P363
P403+P233
P405

MASTER NAME:	Phenol 90% *aqueous solution
SYNONYMS LONG TEXT:	Carbolic Acid, Hydroxybenzene, Oxybenzene, Phenic Acid, Phenyl Hydroxyde, Phenylic Acid
EINECS:	203-632-7
CS:	2907 11 00 00
INDEX NR.:	604-001-00-2

Paraformaldehyde (DAC) pure, pharma grade

p-Formaldehyde, Polyoxymethylene

Assay (Acidim.): 95.0-100.5%

CODE	141451
CAS	30525-89-4
MOLECULAR FORMULA	(HCHO) _n

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141451.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.

Technical data

MELTING POINT:	160 - 165 °C
SOLUBILITY:	Slightly soluble in cold water. Soluble in hot water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141451
PRODUCT NAME:	Paraformaldehyde (DAC) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 95.0-100.5%

Maximum limit of impurities

Acidity or alkalinity: passes test

Insoluble matter in NH₄OH: passes test

Residue on ignition (as SO₄): 0.1 %

Heavy metals (as Pb): 0.001%

Residual metals (according to EMEA/CHMP

/SWP/4446/2000): No metal catalysts are used in the manufacturing process.

HAZARD PICTOGRAMS



UN: 2213

CLASS/PG: 4.1/III

ADR: 4.1/III

IMDG: 4.1/III

IATA: 4.1/III

WGK: 2

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07
GHS08
GHS02

H PHRASES: H302
H315
H319
H317
H351
H335
H228

P PHRASES: P210
P241
P280

P305+P351+P338

P405

P501

MASTER NAME:

Paraformaldehyde

SYNONYMS LONG TEXT:

p-Formaldehyde, Polyoxymethylene

EINECS:

200-001-8

CS:

2912 60 00 00

Paraffin M.P. 51-53°C pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade

CODE

143209

CAS

8002-74-2

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

143209.1211

PACKAGING SIZE

1000 g



CODE

143209.0416

PACKAGING SIZE

25 kg

Technical data

MELTING POINT:

53 °C

BOILING POINT:

350 °C

SOLUBILITY:

Insoluble in water

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

143209

PRODUCT NAME:

Paraffin M.P. 51-53°C pellets (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Identity according to Pharmacopoeias:: passes test

Melting range: 51-55°C

Maximum limit of impurities

Acidity or alkalinity: passes test

Insoluble matter in C₈H₁₀: passes test

Darkened substances by H₂SO₄: passes test

Residue on ignition: 0.05 %

Sulfur compounds: passes test

Sulfate (SO₄): 0.015%

Reaction: passes test

Residual solvents (Ph.Eur/USP): passes test

Polycyclic aromatic hydrocarbons: passes test

WGK:

nwg

STORAGE:

Storage away from direct light.

MASTER NAME:

Paraffin M.P. 51-53°C *pellets

EINECS:

232-315-6

CS:

2712 20 90 00

ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 85.0-88.0 %

CODE	141032
CAS	7664-38-2
MOLECULAR FORMULA	H_3PO_4
MOLAR MASS	98.00 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 141032.1211	PACKAGING SIZE 1000 ml
	CODE 141032.1212	PACKAGING SIZE 2.5 l
	CODE 141032.1214	PACKAGING SIZE 5 l
	CODE 141032.0716	PACKAGING SIZE 25 l

 Technical data

MELTING POINT:	21 °C
BOILING POINT:	158 °C
DENSITY:	1.70 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141032
PRODUCT NAME:	ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 85.0-88.0 % Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.01%

Precipit. substances by NH₄OH: passes test

Residual solvents (Ph.Eur/USP): passes test

Hypophosphorous and phosphorous acid: passes
test

Alkaline phosphates: passes test

Nitrate: passes test

Fe: 0.005 %

HAZARD PICTOGRAMS



UN:	1805
CLASS/PG:	8/III
ADR:	8/III

IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	ortho-Phosphoric Acid 85%
EINECS:	231-633-2
CS:	2809 20 00 00
INDEX NR.:	015-011-00-6

Potassium Chloride (USP, BP, Ph. Eur.) pharma grade

Assay (Arg.) calc. a.d.s.: 99.0-100.5%

CODE	191494
CAS	7447-40-7
MOLECULAR FORMULA	KCl
MOLAR MASS	74.56 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 191494.1211	PACKAGING SIZE 1000 g	
	CODE 191494.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 191494.1211 (please check specifications).
	CODE 191494.0416	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:	778 °C
BOILING POINT:	1,420 °C

SOLUBILITY:	water 340 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	191494
PRODUCT NAME:	Potassium Chloride (USP, BP, Ph. Eur.) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Arg.) calc. a.d.s.: 99.0-100.5% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Acidity or alkalinity: passes test Loss on drying at 105°C: 1.0% Bromide (Br): 0.1% Sulfate (SO4): 0.0300% Iodide: passes test Residual solvents (Ph.Eur/USP): passes test Calcium, Magnesium and alkaline-earth metals (as Ca): 0.0200% Iodide (USP): 0.005 % Al: 0.0001 % Fe: 0.0020 % Na: 0.1 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Chloride
EINECS:	231-211-8
CS:	3104 20 90 00

Potassium Bromide (BP, USP, Ph. Eur.) pure, pharma grade

Assay (Arg.) calc. a.d.s.: 98.5-100.5%

CODE	141489
CAS	7758-02-3
MOLECULAR FORMULA	KBr
MOLAR MASS	119.01 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141489.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 141489.1214	PACKAGING SIZE 5 kg	Product active until stock lasts.

① Technical data

MELTING POINT:	730 °C
BOILING POINT:	1,380 °C
SOLUBILITY:	water 650 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141489
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PRODUCT NAME: Potassium Bromide (BP, USP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Arg.) calc. a.d.s.: 98.5-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in H₂O: 0.01 %
Loss on drying at 105°C: 1.0%
Chloride (Cl): 0.5%
Sulfate (SO₄): 0.01%
Iodide: passes test
Magnesium and other alkaline-earth metals (as Ca): 0.02 %
Residual solvents (Ph.Eur.): passes test
Bromate: passes test
Heavy metals (as Pb): 0.001%
Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)
Class 1A (Pt, Pd): 10 ppm
Class 1B (Ir, Rh, Ru, Os): 10 ppm
Class 1C (Mo, Ni, Cr, V): 25 ppm
Class 2 (Cu, Mn): 250 ppm
Class 3 (Zn): 1,300 ppm
Ba: passes test
Fe: 0.002 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Potassium Bromide

EINECS: 231-830-3

CS: 2827 51 00 00

Potassium Acetate (BP, Ph. Eur.) pure, pharma grade

Acetic Acid Potassium Salt

Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0 %

CODE	141479
CAS	127-08-2
MOLECULAR FORMULA	CH ₃ COOK
MOLAR MASS	98.15 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 141479.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	292 °C
SOLUBILITY:	water 2,530 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141479
PRODUCT NAME:	Potassium Acetate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0 %
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 7.5-9.0

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: 0.025 %
Reducing substances: passes test
Loss on drying at 105°C: 3.0%
Chloride (Cl): 0.01%
Phosphate (PO₄): 0.005 %
Sulfate (SO₄): 0.01%
Residual solvents (Ph.Eur.): passes test
Al: 0.0001 %
Ca: 0.05 %
Fe: 0.002 %
Mg: 0.05 %
Na: 0.5 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Potassium Acetate

SYNONYMS LONG TEXT: Acetic Acid Potassium Salt

EINECS: 204-822-2

CS: 2915 29 00 90

Polyethylene Glycol 8000 (USP-NF, BP, Ph. Eur.) pure, pharma grade

Carbowax 8000, Macrogol 8000, PEG 8000

CODE

146224

CAS

25322-68-3

MOLECULAR FORMULA

$\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$

Packs sizes (1)



CODE

PACKAGING
SIZE

CODE
146224.0416

PACKAGING
SIZE
25 kg

Product discontinued. Please check CAS-No.
for alternative or contact our Customer
Service.

Technical data

MELTING POINT: 55 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 146224

PRODUCT NAME: Polyethylene Glycol 8000 (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes
test
pH of 5% solution: 4.5-7.5
Freezing point: 55-62°C

Viscosity at 99°C: 470-900 cSt
Viscosity of 50% w/w sol. kinematic 20°C:
240-472 cSt
Viscosity of 50% w/w sol. dynamic 20°C: 260-510
mPa.s
Average molecular weight: 7000-9000

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in in H2O: passes test
Reducing substances: passes test
Residue on ignition (as SO4): 0.1 %
Hydroxyl value: 12-16
Residual solvents (Ph.Eur/USP): passes test
1,4-Dioxan (G.C.): 0.001%
Formaldehyde (CH2O): 0.0015%
Ethylene Oxide (G.C.): 0.0001%
Water (H2O): 1 %
Heavy metals (as Pb): 0.0005%
As: 0.0003 %

Elemental impurities according to ICH Q3D guide:
No metal catalysts are used in the manufacturing process. Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

STORAGE:	Room Temperature.
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MASTER NAME:	Polyethylene Glycol 8000
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SYNONYMS LONG TEXT:	Carbowax 8000, Macrogol 8000, PEG 8000
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EINECS:	203-473-3
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CS:	3907 20 11 90
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Polyethylene Glycol 400 (BP, Ph. Eur.) pure, pharma grade

Carbowax 400, Macrogol 400, PEG 400

CODE

142436

CAS

25322-68-3

MOLECULAR FORMULA

$\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142436.1611

1000 ml



CODE

PACKAGING SIZE

142436.1214

5 l

① Technical data

MELTING POINT: 4 - 8 °C

DENSITY: 1.127 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 142436

PRODUCT NAME: Polyethylene Glycol 400 (BP, Ph. Eur.) pure,
pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.5-7.5
Viscosity dynamic at 20°C: 105-130 mPa.s
Viscosity kinematic at 20°C: 94-116 cSt
Average molecular weight: 380-420

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in in H2O: passes test
Reducing substances: passes test
Residue on ignition (as SO4): 0.1 %
Hydroxyl value: 264-300
Residual solvents (Ph.Eur.): passes test
1,4-Dioxan (G.C.): 0.001%
Ethylene Glycol and Diethylene Glycol (G.C.): 0.25%
Formaldehyde (CH2O): 0.0015%
Ethylene Oxide (G.C.): 0.0001%
Water (H2O): 2 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Polyethylene Glycol 400

SYNONYMS LONG TEXT: Carbowax 400, Macrogol 400, PEG 400

EINECS: 203-473-3

CS: 3907 29 11 90

Potassium Permanganate (USP, BP, Ph. Eur.) pure, pharma grade

Permanganic Acid Potassium Salt

Assay (Iodom.): 99.0-100.5%

CODE

141527

CAS

7722-64-7

MOLECULAR FORMULA

KMnO₄

MOLAR MASS

158.04 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141527.1210	PACKAGING SIZE 500 g	Product discontinued. Alternative 141527.1211 (please check specifications).
	CODE 141527.1211	PACKAGING SIZE 1000 g	
	CODE 141527.0716	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:

50 °C

SOLUBILITY:

water 65 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

141527

PRODUCT NAME:

Potassium Permanganate (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Assay (Iodom.): 99.0-100.5%

Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.2 %

Loss on drying: 0.5%

Chloride (Cl): 0.02%

Nitrogen compounds (as N): 0.03%

Sulfate (SO₄): 0.05%

Residual solvents (Ph.Eur/USP): passes test

Heavy metals (as Pb): 0.003%

As: 0.0003 %

Fe: 0.005 %

Pb: 0.005 %

Residual metals (according to EMEA/CHMP /SWP/4446/2000): No metal catalysts are used in the manufacturing process.

HAZARD PICTOGRAMS**UN:**

1490

CLASS/PG:

5.1/II

ADR:

5.1/II

IMDG:	5.1/II
IATA:	5.1/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07 GHS09 GHS05 GHS08

H PHRASES:	H272 H302 H410 H314 H373 H361d
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P PHRASES:	P210 P220 P221 P264 P270 P501 P273 P280 P301+P312 P330 P370+P378 P391
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MASTER NAME:	Potassium Permanganate
SYNONYMS LONG TEXT:	Permanganic Acid Potassium Salt
EINECS:	231-760-3
CS:	2841 61 00 00
INDEX NR.:	025-002-00-9

Potassium Nitrate without anticaking (BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.) calc. a.d.s.: 99.0-100.5%

CODE	141524
CAS	7757-79-1
MOLECULAR FORMULA	KNO ₃
MOLAR MASS	101.11 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 141524.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141524.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	334 °C
SOLUBILITY:	water 320 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE: 141524

PRODUCT NAME: Potassium Nitrate without anticaking (BP, Ph. Eur.)

	pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 99.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 4.5-8.5

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in H₂O: 0.025 %
Loss on drying at 105°C: 0.5%
Chloride (Cl): 0.002%
Ammonium (NH₄): 0.005%
Phosphate (PO₄): 0.003 %
Sulfate (SO₄): 0.01%
Reducible substances: passes test
Residual solvents (Ph.Eur.): passes test
Ca: 0.005 %
Fe: 0.001 %
Mg: 0.005 %
Na: 0.1 %

HAZARD PICTOGRAMS



UN:	1486
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
STORAGE:	Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03
H PHRASES:	H272
P PHRASES:	P210 P220 P221 P280 P370+P378

MASTER NAME:	Potassium Nitrate without anticaking
EINECS:	231-818-8
CS:	2834 21 00 00

Potassium Iodide (USP, BP, Ph. Eur.) pure, pharma grade

Assay calc. a.d.s.: 99.0-100.5 %

CODE	141542
CAS	7681-11-0
MOLECULAR FORMULA	KI
MOLAR MASS	166.01 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE	
	CODE 141542.1208	PACKAGING SIZE 100 g	Product active until stock lasts.
	CODE 141542.1209	PACKAGING SIZE 250 g	
	CODE 141542.1210	PACKAGING SIZE 500 g	
	CODE 141542.1211	PACKAGING SIZE 1000 g	
	CODE 141542.1214	PACKAGING SIZE 5 kg	

① Technical data

MELTING POINT: 680 °C

BOILING POINT: 1,330 °C

SOLUBILITY: water 1,270 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141542

PRODUCT NAME: Potassium Iodide (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay calc. a.d.s.: 99.0-100.5 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Alkalinity: passes test

Insoluble matter in H₂O: 0.01 %

Loss on drying at 105°C: 1.0%

Sulfate (SO₄): 0.015%

Residual solvents (Ph.Eur/USP): passes test

Chloride and bromide (as Cl): 0.05%

Nitrate, nitrite and ammonia: passes test

Thiosulfate: passes test

Iodate: passes test

Heavy metals (as Pb): 0.001%

Ba: passes test

Fe: 0.002 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501

MASTER NAME:	Potassium Iodide
EINECS:	231-659-4
CS:	2827 60 00 00

Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 85.0-100.5 %

CODE	141515
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141515.1211	PACKAGING SIZE 1000 g
	CODE 141515.1214	PACKAGING SIZE 5 kg
	CODE 141515.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	360 °C
BOILING POINT:	1,327 °C
SOLUBILITY:	water 1,120 g/l at 20 °C

PHYSICAL DESCRIPTION: solid
White lumps , pellets or flakes , translucent ,
caustic , deliquescent , absorbs CO2 and moisture
from the air

PRODUCT CODE: 141515

PRODUCT NAME: Potassium Hydroxide 85% pellets (USP-NF, BP, Ph.
Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 85.0-100.5 %
Assay (as K) min: 59.9 %
Identity according to Pharmacopoeias:: passes
test

Maximum limit of impurities

Appearance of solution: passes test
Insoluble substances: passes test
Chloride (Cl): 0.005%
Phosphate (PO4): 0.002 %
Sulfate (SO4): 0.005%
Carbonate (as K2CO3): 1.0%
Residual solvents (Ph.Eur/USP): passes test
Al: 0,002 %
Ca: 0,005 %
Fe: 0,001 %
Mg: 0,005 %
Na: 1,0 %

HAZARD PICTOGRAMS



UN: 1813

CLASS/PG: 8/II

ADR: 8/II

IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H314 H290
P PHRASES:	P264 P260 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501 P234 P390 P406

MASTER NAME:	Potassium Hydroxide 85% *pellets
EINECS:	215-181-3
CS:	2815 20 00 00
INDEX NR.:	019-002-00-8

Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade

Potassium Phosphate , mono-Basic, Potassium Phosphate , primary

Assay (Acidim.) calc. a.d.s.: 98.0-100.5%

CODE 141509

CAS 7778-77-0

MOLECULAR FORMULA KH_2PO_4

MOLAR MASS 136.09 g/mol

Packs sizes (4)



CODE
141509.1210

PACKAGING SIZE
500 g



CODE
141509.1211

PACKAGING SIZE
1000 g



CODE
141509.1214

PACKAGING SIZE
5 kg



CODE
141509.0416

PACKAGING SIZE
25 kg

MELTING POINT: 252 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141509

PRODUCT NAME: Potassium di-Hydrogen Phosphate (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.d.s.: 98.0-100.5%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.2-4.5

Maximum limit of impurities

Appearance of solution: passes test

Appearance: passes test

Insoluble matter in H₂O: 0.2 %

Reducing substances: passes test

Loss on drying at 130°C: 1.0%

Chloride (Cl): 0.02%

Sulfate (SO₄): 0.03%

Residual solvents (Ph.Eur/USP): passes test

Fluoride (F): 0.001%

As: 0.0001 %

Fe: 0.001 %

Pb: 0.00005 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Potassium di-Hydrogen Phosphate

SYNONYMS LONG TEXT: Potassium Phosphate , mono-Basic, Potassium Phosphate , primary

EINECS: 231-913-4

CS: 2835 24 00 00

Riboflavin (Ph. Eur., USP) pure, pharma grade

Assay (UV, dried subst.): 98.0 - 102.0 %

CODE

A6279

CAS

83-88-5

MOLECULAR FORMULA

C₁₇H₂₀N₄O₆

MOLAR MASS

376.40 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A6279,0100

PACKAGING SIZE
100 g



CODE
A6279,0250

PACKAGING SIZE
250 g

Technical data

SOLUBILITY: 0.065 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A6279

PRODUCT NAME: Riboflavin (Ph. Eur., USP) pure, pharma grade

SPECIFICATIONS:

Assay (UV, dried subst.): 98.0 - 102.0 %
 α 20°C/D; 0.5 %, 0.05 N NaOH, dried subst.: -115° -
-135°
Identity: passes test
Loss on drying: max. 1.5 %
Sulfated ash: max. 0.1 %
 $A_{373\text{ nm}} / A_{267\text{ nm}}$: 0.31 - 0.33
 $A_{444\text{ nm}} / A_{267\text{ nm}}$: 0.36 - 0.39
Absorption maxima (223, 267, 373, 444 nm):
passes test
Impurity A (HPLC): max. 0.025 %
Impurity B (HPLC): max. 0.20 %
Impurity C (HPLC): max. 0.20 %
Impurity D (HPLC): max. 0.20 %
Related substances impurities (total) (HPLC):
max. 0.5 %
Largest unspecified impurity (HPLC): max. 0.10 %
Lumiflavin (UV): passes test

WGK:

1

STORAGE:

RT
protected from light

EINECS:

201-507-1

CS:

29362300

Resorcinol (USP, BP, Ph. Eur.) pure, pharma grade

1,3-Benzenediol, 1,3-Dihydroxybenzene

Assay (calc. a.d.s.): 99.0-100.5%

CODE

141603

CAS

108-46-3

MOLECULAR FORMULA

C₆H₆O₂

MOLAR MASS

110.11 g/mol

Packs sizes (1)



CODE

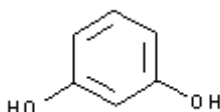
PACKAGING SIZE

CODE

PACKAGING SIZE

141603.0416

25 kg



① Technical data

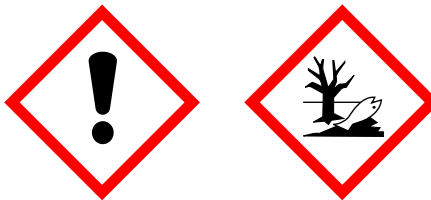
MELTING POINT: 110 °C

BOILING POINT: 281 °C

SOLUBILITY: water 1,000 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141603
PRODUCT NAME:	Resorcinol (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (calc. a.d.s.): 99.0-100.5% Identity according to Pharmacopoeias:: passes test Melting range: 109-111°C Maximum limit of impurities Appearance of solution: passes test Acidity or alkalinity: passes test Insoluble matter in H2O: 0.01 % Loss on drying: 1.0% Residue on ignition (as SO4): 0.05 % Residual solvents (Ph.Eur/USP): passes test Phenol: passes test Ordinary impurities: 0.5% Pyrocatechol: passes test Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1,300 ppm

HAZARD PICTOGRAMS



UN:	2876
CLASS/PG:	6.1/III
ADR:	6.1/III

IMDG:	6.1/III
IATA:	6.1/III
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS09
H PHRASES:	H302 H319 H315 H400
P PHRASES:	P264 P270 P273 P280 P301+P312 P501 P302+P352 P305+P351+P338 P321 P330 P332+P313 P337+P313 P362 P391

MASTER NAME:	Resorcinol
SYNONYMS LONG TEXT:	1,3-Benzenediol, 1,3-Dihydroxybenzene
EINECS:	203-585-2
CS:	2907 21 00 10
INDEX NR.:	604-010-00-1

Purified Water (BP, Ph. Eur.) pure, pharma grade

Hydrogen Oxide

CODE	141074
CAS	7732-18-5
MOLECULAR FORMULA	H ₂ O
MOLAR MASS	18.016 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
141074.1315	10 l

① Technical data

MELTING POINT:	0 °C
BOILING POINT:	100 °C
DENSITY:	1.000 kg/l
SOLUBILITY:	Soluble in ethanol
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141074
PRODUCT NAME:	Purified Water (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS:

Maximum limit of impurities

Appearance: passes test

Acidity or alkalinity: passes test

Non-volatile matter: 0.001 %

Chloride (Cl): passes test

Ammonium (NH₄): 0.00002%

Sulfate (SO₄): passes test

Conductivity at 20°C (measured during production): 4.3 uS.cm⁻¹

Oxidisable substances: passes test

Residual solvents (Ph.Eur.): passes test

Calcium and Magnesium: passes test

Nitrate (NO₃): 0.00002%

Total aerobic microbial count (TAMC): 100 cfu/ml

Microbial contamination:: 100 cfu/ml

Heavy metals (as Pb): 0.00001%

Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)

Class 1A (Pt, Pd): 10 ppm

Class 1B (Ir, Rh, Ru, Os): 10 ppm

Class 1C (Mo, Ni, Cr, V): 25 ppm

Class 2 (Cu, Mn): 250 ppm

Class 3 (Fe, Zn): 1,300 ppm

Al: 0.000001 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: Water

SYNONYMS LONG TEXT: Hydrogen Oxide

EINECS: 231-791-2

CS: 2853 90 10 00

n-Propyl Gallate (Ph. Eur., USP-NF) pure, pharma grade

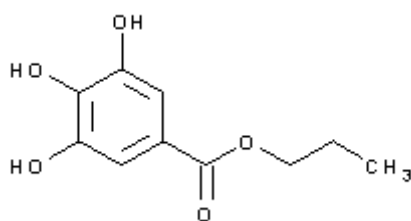
Assay (UV, dried subst.): 98.0 - 102.0 %

CODE	141962
CAS	121-79-9
MOLECULAR FORMULA	C ₁₀ H ₁₂ O ₅
MOLAR MASS	212.20 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 141962.1211	PACKAGING SIZE 1 kg



① Technical data

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 141962

PRODUCT NAME:	<i>n</i> -Propyl Gallate (Ph. Eur., USP-NF) pure, pharma grade
SPECIFICATIONS:	Assay (UV, dried subst.): 98.0 - 102.0 % Assay (HPLC, dried subst.): 98.0 - 102.0 % Identity: passes test Appearance of solution: passes test Sulfated ash: max. 0.1 % Loss on drying (105°C): max. 0.5 % Melting range: 146 - 150°C Chloride: max. 0.01 % Total Chlorine: max. 0.02 % Zn: max. 0.0025 % Related subst. (HPLC) Each unspecified impurity: max. 0.10 % Total impurities: max. 0.15 %

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	RT protected from light
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H317
P PHRASES:	P261 P280 P301+P312 P330 P333+P313 P501

EINECS:	204-498-2
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CS: 29182900

INDEX NR.: 607-198-00-3

Potassium Sorbate (BP, Ph. Eur.) pure, pharma grade

2,4-Hexadienoic Acid Potassium Salt, Potassium 2,4-Hexadienoate, Sorbic Acid Potassium Salt

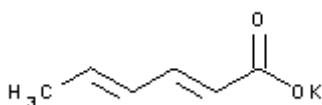
Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0%

CODE	141531
CAS	24634-61-5
MOLECULAR FORMULA	CH ₃ (CHCH) ₂ COOK
MOLAR MASS	150.22 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
141531.1211	1000 g



① Technical data

MELTING POINT:	270 °C
SOLUBILITY:	water 1.95 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141531
PRODUCT NAME:	Potassium Sorbate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Loss on drying at 105°C: 1.0%
Residual solvents (Ph.Eur/USP): passes test
Aldehydes (as CH₃CHO): 0.15%

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P337+P313

MASTER NAME:	Potassium Sorbate
SYNONYMS LONG TEXT:	2,4-Hexadienoic Acid Potassium Salt, Potassium

2,4-Hexadienoate, Sorbic Acid Potassium Salt

EINECS: 246-376-1

CS: 2916 19 95 90

Siliceous Earth purified and calcined (USP-NF) pure, pharma grade

Diatomaceous Earth, Infusorial Earth, Kieselgur

CODE	142475
CAS	91053-39-3

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 142475.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	1,713 °C
BOILING POINT:	2,230 °C
SOLUBILITY:	Insoluble in water
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	142475
PRODUCT NAME:	Siliceous Earth purified and calcined (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	pH of 10%: 5-10 Maximum limit of impurities

Soluble matter in H2O: 0.2 %
Soluble matter in HCl: 2.0 %
Loss on ignition 980°C: 2.0 %
Loss on drying at 105°C: 0.5%
Chloride (Cl): 0.01%
Non siliceous substances: 25 %
Residual solvents (Ph.Eur/USP): passes test
Leachable As: 0.001%
Leachable Pb: 0.001%
Leachable Fe: 0.04 %
Heavy metals (as Pb): 0.005%
Residual metals (according to EMEA/CHMP /SWP/4446/2000): No metal catalysts are used in the manufacturing process.

STORAGE:	Room Temperature.
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MASTER NAME:	Siliceous Earth purified and calcined
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SYNONYMS LONG TEXT:	Diatomaceous Earth, Infusorial Earth, Kieselgur
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EINECS:	293-303-4
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CS:	2512 00 00 00
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Silver Nitrate (BP, Ph. Eur.) pure, pharma grade

Assay (Arg.): 99.8-100.5%

CODE 141459

CAS 7761-88-8

MOLECULAR FORMULA AgNO_3

MOLAR MASS 169.87 g/mol

Packs sizes (4)



CODE

PACKAGING SIZE

CODE
141459.1606

PACKAGING SIZE
25 g



CODE
141459.1608

PACKAGING SIZE
100 g



CODE
141459.1609

PACKAGING SIZE
250 g



CODE
141459.1611

PACKAGING SIZE
1000 g

 Technical data

MELTING POINT: 212 °C

BOILING POINT: 444 °C

SOLUBILITY: water 2,150 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141459

PRODUCT NAME: Silver Nitrate (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Arg.): 99.8-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Insoluble matter in H₂O: 0.005 %

Chloride (Cl): 0.001%

Sulfate (SO₄): 0.002%

Residual solvents (Ph.Eur.): passes test

Al, Pb, Cu and Bi: passes test

Foreign salts: 0.02%

Cu: 0,0005 %

Fe: 0,0005 %

Pb: 0,001 %

Residual metals (according to EMEA/CHMP /SWP/4446/2000): No metal catalysts are used in the manufacturing process.

HAZARD PICTOGRAMS



UN:	1493
CLASS/PG:	5.1(CONT.MARINO)/II
ADR:	5.1(CONT.MARINO)/II
IMDG:	5.1(CONT.MARINO)/II
IATA:	5.1(CONT.MARINO)/II
WGK:	3
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05 GHS09 GHS07
H PHRASES:	H272 H314 H410 H302
P PHRASES:	P210 P220 P221 P260 P264 P501 P273 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P370+P378 P391



MASTER NAME:	Silver Nitrate
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade

Dodecyl Sulphate Sodium Salt, Laurylsulphate Sodium Salt, SDS, Sodium Laurylsulphate

Minimum assay: 90.0%

CODE 142363

CAS 151-21-3

MOLECULAR FORMULA $C_{12}H_{25}NaO_4S$

MOLAR MASS 288.38 g/mol

Packs sizes (3)



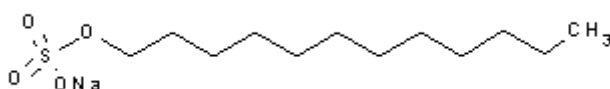
CODE	PACKAGING SIZE
142363.1211	1000 g



CODE	PACKAGING SIZE
142363.0914	5 kg



CODE	PACKAGING SIZE
142363.0416	25 kg



Technical data

MELTING POINT: 204 - 207 °C

SOLUBILITY: water 100 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142363

PRODUCT NAME: SDS (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Minimum assay: 90.0%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Alkalinity: passes test

Residual solvents (Ph.Eur/USP): passes test

Non-esterified alcohols: 4.0%

Total alcohols minimum: 59.0%

Sodium Chloride and Sodium Sulfate (USP-NF):
8.0%

Sodium Chloride and Sodium Sulfate (Ph. Eur.):
8.0%

HAZARD PICTOGRAMS



UN: 1325

CLASS/PG: 4.1/II

ADR: 4.1/II

IMDG: 4.1/II

IATA:	4.1/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07
H PHRASES:	H302 H332 H315 H228 H318 H335 H412
P PHRASES:	P210 P240 P241 P261 P264 P501 P270 P271 P273 P280 P301+P312 P302+P352 P304+P340 P305+P351+P338 P310 P312 P321 P330 P332+P313 P362 P370+P378 P403+P233 P405

MASTER NAME:	Sodium Dodecyl Sulphate
SYNONYMS LONG TEXT:	Dodecyl Sulphate Sodium Salt, Laurylsulphate Sodium Salt, SDS, Sodium Laurylsulphate
EINECS:	205-788-1
CS:	2920 90 10 90

Saponin from Quillaja Bark (DAB) pure, pharma grade

CODE

A4518

CAS

8047-15-2

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

A4518,0100

PACKAGING SIZE

100 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A4518

PRODUCT NAME:

Saponin from Quillaja Bark (DAB) pure, pharma grade

SPECIFICATIONS:

Extinction: max. 0.4

Surface-tension [20°C, 0,1 % solution]: 35 - 55 dyn/cm

pH (5 %; H₂O): 4 - 7

Foam-rate: 6 - 17

Specific density: 1.01 - 1.02 g/L

Muddiness: max. 30 TE/F

TLC: passes test

Sapogenin content: 10 - 14 %

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H335
P PHRASES:	P261 P280 P305+P351+P338 P403+P233 P405 P501
EINECS:	232-462-6
CS:	29389090

Salicylic Acid (USP, BP, Ph. Eur.) pure, pharma grade

2-Hydroxybenzoic Acid

Assay (Acidim.) calc. a.d.s.: 99.5-100.5 %

CODE 141045

CAS 69-72-7

MOLECULAR FORMULA $C_6H_4(OH)COOH$

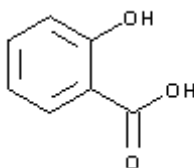
MOLAR MASS 138.12 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 141045.1211 PACKAGING SIZE 1000 g



① Technical data

MELTING POINT: 159 °C

BOILING POINT: 211 °C 27 hPa

SOLUBILITY: water 1.8 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141045
PRODUCT NAME:	Salicylic Acid (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 99.5-100.5 % Assay (HPLC.) calc. a.d.s.: 98.0-102.0 % Identity according to Pharmacopoeias:: passes test Melting range: 159-161°C Maximum limit of impurities Appearance of solution: passes test Insoluble matter in C₂H₅OH: passes test Darkened substances by H₂SO₄: passes test Loss on drying: 0.5% Residue on ignition (as SO₄): 0.05 % Chloride (Cl): 0.01% Sulfate (SO₄): 0.02% Related substances: Residual solvents (Ph.Eur/USP): passes test Unspecified impurities: 0.05 % Total impurities: 0.2 % 4-Hydroxybenzoic Acid: 0.1 % 4-Hydroxyisophtalic Acid: 0.05 % Phenol: 0.02 % Heavy metals (as Pb): 0.002% Cu: 0.0005 % Fe: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Residual metals (according to EMEA/CHMP /SWP/4446/2000): No metal catalysts are used in the manufacturing process.

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

Storage away from direct light.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS07

GHS05

GHS08

H PHRASES:

H302

H318

H361d

P PHRASES:

P264

P270

P280

P301+P312

P305+P351+P338

P501

P330

P337+P313

MASTER NAME:

Salicylic Acid

SYNONYMS LONG TEXT:

2-Hydroxybenzoic Acid

EINECS:

200-712-3

CS:

2918 21 00 00

Sodium Chloride (USP, BP, Ph. Eur., JP)

pure, pharma grade

Assay (Arg.) calc. a.d.s.: 99.0-100.5%

CODE	141659
CAS	7647-14-5
MOLECULAR FORMULA	NaCl
MOLAR MASS	58.44 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141659.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141659.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141659.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	804 °C
BOILING POINT:	1,413 °C
SOLUBILITY:	water 360 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141659
PRODUCT NAME:	Sodium Chloride (USP, BP, Ph. Eur., JP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Arg.) calc. a.d.s.: 99.0-100.5% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Acidity or alkalinity: passes test Loss on drying at 105°C: 0.5% Nitrogen compounds (as N): 0.005% Bromide (Br): 0.005% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.02% Iodide: passes test Residual solvents (Ph.Eur/USP): passes test Calcium, Magnesium and alkaline-earth metals (as Ca): 0.005% Chlorate and nitrate (as NO3): 0.01% Hexacyanoferrate(II): passes test Nitrite (NO2): passes test Heavy metals (as Pb): 0.0003% Al: 0,00002 % As: 0,0001 % Ba: passes test Fe: 0,0002 % K: 0,05 %
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Chloride
EINECS:	231-598-3
CS:	2501 00 99 00

Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.) calc. a.d.s.: 99.5-100.5%

CODE	141648
CAS	497-19-8
MOLECULAR FORMULA	Na_2CO_3
MOLAR MASS	105.99 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141648.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141648.0914	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141648.0416	PACKAGING SIZE 25 kg

① Technical data

MELTING POINT:	851 °C
SOLUBILITY:	water 210 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141648
PRODUCT NAME:	Sodium Carbonate anhydrous (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 99.5-100.5% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: 0.025 %
Loss on drying at 300°C: 0.5%
Chloride (Cl): 0.01%
Nitrogen compounds (as N): 0.005%
Phosphate (PO₄): 0.005 %
Sulfate (SO₄): 0.0250%
Residual solvents (Ph.Eur/USP): passes test
Alkaline hydroxides and hydrogen carbonates:
passes test
Ca: 0.01 %
Fe: 0.001 %
K: 0.05 %
Mg: 0.01 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319

P PHRASES:	P264 P280 P305+P351+P338 P337+P313
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MASTER NAME:	Sodium Carbonate anhydrous
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EINECS:	207-838-8
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CS:	2836 20 00 00
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INDEX NR.:	011-005-00-2
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Sodium Bromide (BP, Ph. Eur.) pure, pharma grade

Assay (Arg.) calc. a.d.s.: 98.5-100.5 %

CODE	141646
CAS	7647-15-6
MOLECULAR FORMULA	NaBr
MOLAR MASS	102.90 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141646.1210	PACKAGING SIZE 500 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	755 °C
BOILING POINT:	1,390 °C
SOLUBILITY:	water 1,160 g/l at 50 °C Soluble in ethanol 96%
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE: 141646

PRODUCT NAME: Sodium Bromide (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Arg.) calc. a.d.s.: 98.5-100.5 % Identity according to Pharmacopoeias:: passes test pH of 5% solution: 5.0-8.8 Maximum limit of impurities Appearance of solution: passes test Acidity or alkalinity: passes test Insoluble matter in H₂O: 0.025 % Loss on drying at 105°C: 3.0% Chloride (Cl): 0.3% Nitrogen compounds (as N): 0.01% Sulfate (SO₄): 0.01% Iodide (I): passes test Residual solvents (Ph.Eur.): passes test Bromate (BrO₃): passes test Magnesium and alkaline-earth metals (as Ca): 0.02% Heavy metals (as Pb): 0.001% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Zn): 1,300 ppm As: 0.0002 % Ba: passes test Ca: 0.005 % Fe: 0.001 % Mg: 0.005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Bromide
EINECS:	231-599-9
CS:	2827 51 00 00

Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade

Benzenecarboxylic Acid Sodium Salt, Benzoic Acid Sodium Salt, Phenylformic Acid Sodium Salt

Assay (Perchl. Ac.) calc. a.d.s.: 99.0-100.5%

CODE 141637

CAS 532-32-1

MOLECULAR FORMULA C_6H_5COONa

MOLAR MASS 144.10 g/mol

Packs sizes (2)

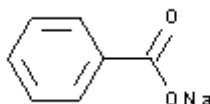


CODE PACKAGING SIZE

CODE 141637.1211 PACKAGING SIZE 1000 g



CODE 141637.0914 PACKAGING SIZE 5 kg



① Technical data

MELTING POINT:	436 °C 1,013 hPa (OECD 102)
BOILING POINT:	465 °C
SOLUBILITY:	water 556 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141637
PRODUCT NAME:	Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Perchl. Ac.) calc. a.d.s.: 99.0-100.5% Assay (HPLC.) calc. a.d.s.: 99.0-101.0% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
 Acidity or alkalinity: passes test
 Insoluble matter in H₂O: passes test
 Loss on drying at 105°C: 1.5%
 Residual solvents (Ph.Eur/USP): passes test
 Halogenated compounds:
 Ionized Chlorine (Cl): 0.02 %
 Total Chlorine (Cl): 0.03 %
 Water (H₂O): 1.5 %
 Heavy metals (as Pb): 0.001%

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning

GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

MASTER NAME:	Sodium Benzoate
SYNONYMS LONG TEXT:	Benzenecarboxylic Acid Sodium Salt, Benzoic AcidSodium Salt, Phenylformic Acid Sodium Salt
EINECS:	208-534-8
CS:	2916 31 00 90

Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Acetic Acid Sodium Salt

Assay (Perchl. Ac.) (calc. a.a.s): 99.0-101.0%

CODE	141632
CAS	6131-90-4
MOLECULAR FORMULA	$\text{CH}_3\text{COONa} \cdot 3\text{H}_2\text{O}$
MOLAR MASS	136.08 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141632.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141632.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141632.0416	PACKAGING SIZE 25 kg

① Technical data

MELTING POINT: 58 °C

SOLUBILITY: water 762 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141632
PRODUCT NAME:	Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Perchl. Ac.) (calc. a.a.s): 99.0-101.0% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 7.5-9.0 Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H2O: 0.005 % Reducing substances: passes test Loss on drying at 130°C: 39.0-40.5 % Chloride (Cl): 0.005% Nitrogen compounds (as N): 0.005% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.003% Residual solvents (Ph.Eur/USP): passes test Calcium and magnesium (as Ca): 0.0050% Al: 0.00002 % Fe: 0.0010 % K: passes test
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Acetate 3-hydrate
SYNONYMS LONG TEXT:	Acetic Acid Sodium Salt
EINECS:	204-823-8
CS:	2915 29 00 90

Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade

Formaldehyde Sodium Sulphoxylate, Hydroxymethanesulphinic Acid Sodium Salt, Rongalit

Assay (as SO₂) (Iodom.) (calc. a.a.s): 45.5-54.5 %

CODE 143289

CAS 149-44-0

MOLECULAR FORMULA CH₃NaO₃S.xH₂O

MOLAR MASS 118.09 (anh) g/mol

Packs sizes (1)



CODE

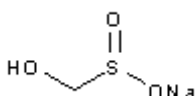
PACKAGING SIZE

CODE

143289.1214

PACKAGING SIZE

5 kg



① Technical data

SOLUBILITY: water 680 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	143289
PRODUCT NAME:	Sodium Formaldehyde Sulfoxylate x-hydrate (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (as SO₂) (Iodom.) (calc. a.a.s): 45.5-54.5 % Identity according to Pharmacopoeias:: passes test pH sol. 2%: 9.5-10.5 Maximum limit of impurities Alkalinity: 0.35 meq/g Insoluble matter in H₂O: 0.05 % Loss on drying at 105°C: 27.0% Sulfide: passes test Clarity and appearance of solution: passes test Residual solvents (Ph.Eur/USP): passes test Sodium sulphite (as Na₂SO₃) calc. a.a.s.: 5.0% Fe: 0.0025 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS08
H PHRASES:	H341 H361
P PHRASES:	P201 P202 P281 P308+P313 P405

MASTER NAME:	Sodium Formaldehyde Sulphoxylate x-hydrate
SYNONYMS LONG TEXT:	Formaldehyde Sodium Sulphoxylate, Hydroxymethanesulphinic Acid Sodium Salt, Rongalit
EINECS:	205-739-4
CS:	2831 10 00 00

Sodium Fluoride pure

Assay: 98.5%

CODE

141675

CAS

7681-49-4

MOLECULAR FORMULA

NaF

MOLAR MASS

41.99 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141675.1211	PACKAGING SIZE 1000 g	
	CODE 141675.0914	PACKAGING SIZE 5 kg	Product discontinued. Alternative 141675.1211 (please check specifications).
	CODE 141675.0416	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT: 993 °C

BOILING POINT: 1,704 °C

SOLUBILITY: water 40 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

141675

PRODUCT NAME:

Sodium Fluoride pure

QUALITY NAME:

pure

SPECIFICATIONS:

Assay: 98.5%

Insoluble matter in H₂O: 0.025 %

Loss on drying at 150°C: 0.5%

Chloride (Cl): 0.012%

Phosphate (PO₄): 0.002 %Sulfate (SO₄): 0.01%Sodium fluorosilicate (NaSiF₆): passes test

Cu: 0,001%

Fe: 0,002%

Ni: 0,0025%

HAZARD PICTOGRAMS**UN:**

1690

CLASS/PG:

6.1/III

ADR:

6.1/III

IMDG:

6.1/III

IATA:

6.1/III

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS06

H PHRASES:

H301

	EUH032
	H319
	H315
P PHRASES:	P264
	P270
	P280
	P301+P310
	P302+P352
	P501
	P305+P351+P338
	P321
	P330
	P332+P313
	P337+P313
	P362
	P405

MASTER NAME:	Sodium Fluoride
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EINECS:	231-667-8
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CS:	2826 19 10 00
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INDEX NR.:	009-004-00-7
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Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade

Sodium Metabisulphite, Sodium Pyrosulphite

Assay (as SO₂) (Iodom.): 65.0-67.4 %

CODE 141698

CAS 7681-57-4

MOLECULAR FORMULA Na₂S₂O₅

MOLAR MASS 190.10 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141698.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141698.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141698.0416	PACKAGING SIZE 25 kg

① Technical data

SOLUBILITY: water 470 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141698

PRODUCT NAME: Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade

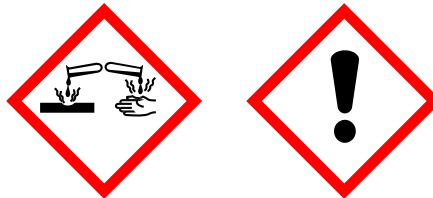
QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (as SO₂) (Iodom.): 65.0-67.4 %
Assay (Na₂S₂O₅) (Iodom.): 96.5-100.0%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 3.5-5.0

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: 0.025 %
Chloride (Cl): 0.02%
Residual solvents (Ph.Eur/USP): passes test
Thiosulfate (BP): passes test
Thiosulfate (S₂O₃): 0.05%
Fe: 0.002 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS07
GHS05

H PHRASES: H302
EUH031
H318

P PHRASES: P264
P270
P280

P301+P312
P305+P351+P338
P310
P330
P501

MASTER NAME:	Sodium Disulphite
SYNONYMS LONG TEXT:	Sodium Metabisulphite, Sodium Pyrosulphite
EINECS:	231-673-0
CS:	2832 10 00 00
INDEX NR.:	016-063-00-2

Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) for analysis, pharma grade

Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic

Assay (Acidim.) (calc. a.a.s): 99-100.5%

CODE

141677

CAS

13472-35-0

MOLECULAR FORMULA

$\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$

MOLAR MASS

156.01 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141677.1211

1000 g



CODE

PACKAGING SIZE

141677.1214

5 kg



CODE

PACKAGING SIZE

141677.0416

25 kg

Technical data

MELTING POINT:

60 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141677
PRODUCT NAME:	Sodium di-Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) for analysis, pharma grade
QUALITY NAME:	for analysis, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (calc. a.a.s): 99-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 4.2-4.5 Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H2O: 0.005 % Reducing substance to KMnO4: passes test Loss on drying at 130°C: 21.5-24.0 % Chloride (Cl): 0.005% Sulfate (SO4): 0.003% Residual solvents (Ph.Eur/USP): passes test Nitrogen Compounds (as N): 0.001 % Aluminium, Calcium and related elements: passes test As: 0,00015 % Ca: 0,005 % Fe: 0,0005 % Mg: 0,005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium di-Hydrogen Phosphate 2-hydrate
SYNONYMS LONG TEXT:	Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic
EINECS:	231-449-2
CS:	2835 22 00 00

Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade

Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic
Assay (Acidim.) (calc. a.a.s): 98.0-100.5%

CODE	141965
CAS	10049-21-5
MOLECULAR FORMULA	NaH ₂ PO ₄ .H ₂ O
MOLAR MASS	137.99 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 141965.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 1,103 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141965
PRODUCT NAME:	Sodium di-Hydrogen Phosphate 1-hydrate (USP, BP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (calc. a.a.s): 98.0-100.5%

Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.2-4.5

Maximum limit of impurities

Appearance and colour of solution: passes test
Insoluble matter in H₂O: 0.005 %
Reducing substance to KMnO₄: passes test
Loss on drying at 130°C: 11.5-14.5 %
Chloride (Cl): 0.014%
Sulfate (SO₄): 0.03%
Residual solvents (Ph.Eur/USP): passes test
Aluminium, Calcium and related elements.: passes test
Water (H₂O): 10.0 -15.0 %
As: 0.00015 %
Fe: 0.001 %

WGK:

1

STORAGE:

Room Temperature.

MASTER NAME:

Sodium di-Hydrogen Phosphate 1-hydrate

SYNONYMS LONG TEXT:

Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic

EINECS:

231-449-2

CS:

2835 22 00 00

Sodium Hydroxide 6 mol/l (6N) pharma grade

Soda lye

CODE

AL6406

CAS

1310-73-2

MOLECULAR FORMULA

NaOH

MOLAR MASS

40.00 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

AL6406.1211

1000 ml

Technical data

DENSITY:

1.213 kg/l

PHYSICAL DESCRIPTION:

liquid
caustic , absorbs CO2 from air

PRODUCT CODE:

AL6406

PRODUCT NAME:

Sodium Hydroxide 6 mol/l (6N) pharma grade

QUALITY NAME:

pharma grade

HEADLINE COMMENT:

Indicator: Phenolphthalein.

SPECIFICATIONS:

Titer at 20°C: 1.00±0.01

Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.002%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as Na₂CO₃): 1.0%

Residual solvents (Ph.Eur/USP): passes test

Heavy metals (as Pb): 0.001%

Al: 0,002 %

Ca: 0,005 %

Fe: 0,001 %

K: passes test

Mg: 0,005 %

This product has been manufactured with Sodium Hydroxide which passes the USP-NF, BP and Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05

H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sodium Hydroxide 6 mol/l *(6N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 5 mol/l (5N) pharma grade

Soda lye

CODE	192159
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 192159.1215	PACKAGING SIZE 10 l

Technical data

DENSITY:	1.186 kg/l
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air
PRODUCT CODE:	192159
PRODUCT NAME:	Sodium Hydroxide 5 mol/l (5N) pharma grade
QUALITY NAME:	pharma grade
HEADLINE COMMENT:	Indicator: Bromophenol Blue
SPECIFICATIONS:	

Titer at 20°C: 1.00 ± 0.01

Identity according to Pharmacopoeias:: passes test

Appearance of solution: passes test

Insoluble substances and organic matter: passes test

Chloride (Cl): 0.005 %

Sulfate (SO₄): 0.005 %

Residual solvents (Ph.Eur/USP): passes test

Heavy metals (as Pb): 0.002 %

Fe: 0.001 %

Hg: 0.00001 %

K: passes test

This product has been manufactured with a raw material NaOH which passes the RFE, USP-NF, BP, Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN: 1824

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314

P PHRASES: P260
P264

P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide 5 mol/l *(5N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 10 mol/l (10N) pharma grade

CODE	193508
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 193508.0715	PACKAGING SIZE 10 l	Product discontinued. Alternative 183508.1211 (please check specifications).

Technical data

DENSITY: 1.331 kg/l

SOLUBILITY: Soluble in water.

PRODUCT CODE: 193508

PRODUCT NAME: Sodium Hydroxide 10 mol/l (10N) pharma grade

QUALITY NAME: pharma grade

HEADLINE COMMENT: Indicator: Phenolphthalein.

SPECIFICATIONS: Titer at 20°C: 1.00±0.01
Identity according to Pharmacopoeias: passes

test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.002%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as Na₂CO₃): 1.0%

Residual solvents (Ph.Eur/USP): passes test

Heavy metals (as Pb): 0.001%

Al: 0.002 %

Ca: 0.005 %

Fe: 0.001 %

K: passes test

Mg: 0.005 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260

P264
P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME: Sodium Hydroxide 10 mol/l *(10N)

EINECS: 215-185-5

CS: 2815 12 00 00

Sodium Hydroxide 1 mol/l (1N) pharma grade

Soda lye

CODE	192415
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 192415.1212	PACKAGING SIZE 2.5 l

Technical data

DENSITY:	1.042 kg/l
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air
PRODUCT CODE:	192415
PRODUCT NAME:	Sodium Hydroxide 1 mol/l (1N) pharma grade
QUALITY NAME:	pharma grade
HEADLINE COMMENT:	Indicator: Phenolphthalein
SPECIFICATIONS:	

Titer at 20°C: 1.00±0.01

Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.002%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as Na₂CO₃): 1.0%

Residual solvents (Ph.Eur/USP): passes test

Heavy metals (as Pb): 0.001%

Al: 0.002 %

Ca: 0.005 %

Fe: 0.001 %

K: passes test

Mg: 0.005 %

This product has been manufactured with Sodium Hydroxide which passes the USP-NF, BP and Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN: 1824

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sodium Hydroxide 1 mol/l (1N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade

Sodium Bicarbonate

Assay (Acidim.): 99.0-100.5%

CODE 141638

CAS 144-55-8

MOLECULAR FORMULA NaHCO_3

MOLAR MASS 84.01 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141638.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141638.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141638.0416	PACKAGING SIZE 25 kg

① Technical data

SOLUBILITY: water 100 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	141638
PRODUCT NAME:	Sodium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 99.0-100.5% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Loss on drying: 0.25%
Chloride (Cl): 0.005%
Sulfur compounds (as SO₄): 0.015 %
Ammonium (NH₄): 0.002%
Phosphate (PO₄): 0.002 %
Sulfate (SO₄): 0.01%
Carbonate: passes test
Residual solvents (Ph.Eur/USP): passes test
As: 0.00015 %
Ca: 0.01 %
Fe: 0.0005 %

WGK:	nwg
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STORAGE:	Room Temperature.
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MASTER NAME:	Sodium Hydrogen Carbonate
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SYNONYMS LONG TEXT:	Sodium Bicarbonate
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EINECS:	205-633-8
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CS:	2836 30 00 00
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Sodium Perborate 4-hydrate (BP, Ph. Eur.) pure, pharma grade

Assay (Perm.): 96.0-103.0 %

CODE	145642
CAS	10486-00-7
MOLECULAR FORMULA	$\text{NaBO}_3 \cdot 4\text{H}_2\text{O}$
MOLAR MASS	153.86 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 145642.1211	PACKAGING SIZE 1000 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

① Technical data

MELTING POINT:	65 °C
SOLUBILITY:	water 23.4 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	145642
PRODUCT NAME:	Sodium Perborate 4-hydrate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade

SPECIFICATIONS:

Assay (Perm.): 96.0-103.0 %

Identity according to Pharmacopoeias:: passes test

pH sol. 1%: 10.2-10.6

Maximum limit of impurities

Chloride (Cl): 0.01%

Sulfate (SO₄): 1.2%

Residual solvents (Ph.Eur.): passes test

Fe: 0.002 %

HAZARD PICTOGRAMS**WGK:**

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS08

GHS07

GHS05

H PHRASES:

H318

H332

H335

H360Df

P PHRASES:

P280

P305+P351+P338

P310

P403+P233

P405

P501

MASTER NAME:

Sodium Perborate 4-hydrate

EINECS:

231-556-4

CS:

2840 30 00 00

INDEX NR.:

005-018-01-X

Sodium Lactate solution 50% w/w (USP, BP, Ph. Eur.) pure, pharma grade

2-Hydroxypropanoic Acid Sodium Salt

Assay (Perchl. Ac.) (Acidim.): 50.0 - 51.0 %

CODE

143307

CAS

72-17-3

MOLECULAR FORMULA

$C_3H_5NaO_3$

MOLAR MASS

112.06 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

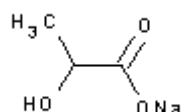
CODE

143307.1211

PACKAGING SIZE

1000 ml

Product active until stock lasts.



① Technical data

BOILING POINT:

~ 110 °C

DENSITY:

1.272 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:	143307
PRODUCT NAME:	Sodium Lactate solution 50% w/w (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Perchl. Ac.) (Acidim.): 50.0 - 51.0 % Identity according to Pharmacopoeias:: passes test pH: 6.5-9.0 Maximum limit of impurities Appearance of solution: passes test Sugars (USP): passes test Sugars Reducing and sucrose (Ph. Eur.): passes test Chloride (Cl): 0.0025% Sulfate (SO₄): 0.005% Sulfate (SO₄) (USP): passes test Residual solvents (Ph.Eur/USP): passes test Citrate, Oxalate, Phosphate or Tartrate (USP): passes test Methanol and methyl esters: 0.025% Oxalate and Phosphate (Ph. Eur.): passes test Heavy metals (as Pb): 0.0005% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1.300 ppm As: 0,0003 % Fe: 0,0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Lactate solution 50% w/w
SYNONYMS LONG TEXT:	2-Hydroxypropanoic Acid Sodium Salt

EINECS: 200-772-0

CS: 2918 11 00 00

Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade

(S)-(+)-2-Aminoglutaric Acid mono-Sodium Salt, (S)-Glutamic Acid mono-Sodium Salt

Assay (Perchl. Ac.): 99.0-100.5%

CODE

141683

CAS

6106-04-3

MOLECULAR FORMULA

$\text{NaCOOHC OONH}_2\text{CH}(\text{CH}_2)_2\cdot\text{H}_2\text{O}$

MOLAR MASS

187.13 g/mol

Packs sizes (1)



CODE

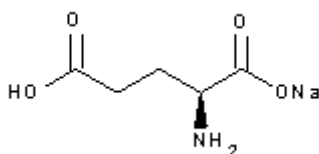
PACKAGING SIZE

CODE

PACKAGING SIZE

141683.0914

5 kg



① Technical data

MELTING POINT:

225 - 240 °C

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141683
PRODUCT NAME:	Sodium L-Glutamate 1-hydrate (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Perchl. Ac.): 99.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 6.7-7.2 Specific rotation α 20/D c=10 (in HCl 2 mol/l): +24.8 - +25.3° Maximum limit of impurities Insoluble matter in H2O: 0.05 % Loss on drying at 100°C: 0.5% Chloride (Cl): 0.2% Sulfate (SO4): 0.05% Clarity and colour of solution: passes test Residual solvents (Ph.Eur/USP): passes test As: 0.00015 % Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 % Elemental impurities according to the ICH Q3D guide: Cadmium and Lead can be present below 1 ppm. The rest of the elements of class 1-3 are not likely to be present above the limits of ICH Q3D option 1.
WGK:	2
STORAGE:	Room Temperature.
MASTER NAME:	Sodium L-Glutamate 1-hydrate
SYNONYMS LONG TEXT:	(S)-(+)-2-Aminoglutaric Acid mono-Sodium Salt, (S)-Glutamic Acid mono-Sodium Salt

EINECS:

205-538-1

CS:

2922 42 00 10

Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade

Caustic Soda

Assay (Acidim.): 98.0-100.5%

CODE	141687
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 141687.1210	PACKAGING SIZE 500 g
	CODE 141687.1211	PACKAGING SIZE 1000 g
	CODE 141687.1214	PACKAGING SIZE 5 kg
	CODE 141687.0415	PACKAGING SIZE 10 Kg
	CODE 141687.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	318 °C
BOILING POINT:	1,390 °C
SOLUBILITY:	water 1,090 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White solid as lentils or flakes, frosted, caustic deliquescent, absorbing CO ₂ from the air

PRODUCT CODE:	141687
PRODUCT NAME:	Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 98.0-100.5% Assay (as Na): 54.0-59.8% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Chloride (Cl): 0.0200% Nitrogen compounds (as N): 0.002% Phosphate (PO ₄): 0.002 % Sulfate (SO ₄): 0.0200% Carbonate (as Na ₂ CO ₃): 1.0% Residual solvents (Ph.Eur/USP): passes test Insoluble substances and organic matter: passes test Fe: 0,0010 % K: 0,5 % Product can present some grey dark-pellets, due to manufacturing process. Product can be used without any concern.

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353 P501 P305+P351+P338 P310

MASTER NAME:	Sodium Hydroxide pellets
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade

Caustic soda

Assay (Acidim.): 98.0-100.5%

CODE 141929

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (3)



CODE PACKAGING SIZE

CODE 141929.1211 PACKAGING SIZE 1000 g

Product active until stock lasts.



CODE 141929.1214 PACKAGING SIZE 5 kg



CODE 141929.0416 PACKAGING SIZE 25 kg

① Technical data

MELTING POINT: 318 °C

BOILING POINT: 1,390 °C

SOLUBILITY: water 1,090 g/l at 20 °C

PHYSICAL DESCRIPTION: solid
caustic , deliquescent , absorbs CO2 from air

PRODUCT CODE: 141929

PRODUCT NAME: Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 98.0-100.5%
Assay (as Na): 54.0-59.8%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H2O: 0.025 %
Insoluble substances and organic matter: passes test
Chloride (Cl): 0.0200%
Nitrogen compounds (as N): 0.002%
Phosphate (PO4): 0.002 %
Sulfate (SO4): 0.0200%
Carbonate (as Na2CO3): 1.0%
Residual solvents (Ph.Eur/USP): passes test
Fe: 0,001 %
K: 0,5 %

HAZARD PICTOGRAMS



UN: 1823

CLASS/PG: 8/II

ADR: 8/II

IMDG:

	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353 P501 P305+P351+P338 P310

MASTER NAME:	Sodium Hydroxide *pearls
SYNONYMS LONG TEXT:	Caustic soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

Assay (Iodom.): 99.0-101.0%

CODE	141721
CAS	10102-17-7
MOLECULAR FORMULA	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
MOLAR MASS	248.18 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141721.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141721.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141721.0416	PACKAGING SIZE 25 kg

① Technical data

MELTING POINT:	48 °C
SOLUBILITY:	water 680 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141721
PRODUCT NAME:	Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Iodom.): 99.0-101.0% Assay (Iodom.) calc. a.a.s: 99.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 10 % solution: 6.0-8.4

Maximum limit of impurities

Appearance of solution: passes test
Loss on drying: 32.0-37.0 %
Chloride (Cl): 0.02%
Nitrogen compounds (as N): 0.01%
Sulfide (S): passes test
Residual solvents (Ph.Eur/USP): passes test
Sulfate and sulfite (as SO₄): 0.2%
Ca: passes test
Fe: 0,001 %
Mg: 0,01 %

WGK:	1
STORAGE:	Not recommended in areas with a very hot climate

MASTER NAME:	Sodium Thiosulphate 5-hydrate
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium Sulfite anhydrous (BP, Ph. Eur.) pharma grade

Assay (Iodom.): 95.0-100.5%

CODE	191717
CAS	7757-83-7
MOLECULAR FORMULA	Na ₂ SO ₃
MOLAR MASS	126.04 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
191717.0416	25 kg

ⓘ Technical data

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	191717
PRODUCT NAME:	Sodium Sulfite anhydrous (BP, Ph. Eur.) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Iodom.): 95.0-100.5% Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: passes test

Residual solvents (Ph.Eur.): passes test

Thiosulfate: 0.1%

Heavy metals (as Pb): 0.001%

Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)

Class 1A (Pt, Pd): 10 ppm

Class 1B (Ir, Rh, Ru, Os): 10 ppm

Class 1C (Mo, Ni, Cr, V): 25 ppm

Class 2 (Cu, Mn): 250 ppm

Fe: 0.001 %

Se: 0.001 %

Zn: 0.0025 %

WGK: 1**STORAGE:** Room Temperature.

MASTER NAME: Sodium Sulphite anhydrous**EINECS:** 231-821-4**CS:** 2832 10 00 00

Sodium Sulfate anhydrous (USP, BP, Ph. Eur.) pharma grade

Assay (calc. a.d.s.): 99.0-101.0 %

CODE	191716
CAS	7757-82-6
MOLECULAR FORMULA	Na_2SO_4
MOLAR MASS	142.04 g/mol

Packs sizes (1)



CODE

PACKAGING
SIZE

CODE
191716.1214

PACKAGING
SIZE
5 kg

Product discontinued. Please check CAS-No.
for alternative or contact our Customer
Service.

① Technical data

MELTING POINT: 884 °C

SOLUBILITY: water 162 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 191716

PRODUCT NAME: Sodium Sulfate anhydrous (USP, BP, Ph. Eur.)
pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS:

Assay (calc. a.d.s.): 99.0-101.0 %

Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Reducing substance to KMnO₄: passes test

Loss on drying: 0.5%

Chloride (Cl): 0.02%

Residual solvents (Ph.Eur/USP): passes test

Ca: 0.045 %

Fe: 0.009 %

Mg: 0.02 %

WGK:

nwg

STORAGE:

Storage below 30°C

MASTER NAME:

Sodium Sulphate anhydrous

EINECS:

231-820-9

CS:

2833 19 00 00

Sodium Selenite anhydrous (Ph. Eur., BP) pharma grade

Assay calc. a.d.s.: 98.5-101.5 %

CODE	192756
CAS	10102-18-8
MOLECULAR FORMULA	Na ₂ SeO ₃
MOLAR MASS	172.94 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 192756.1211	PACKAGING SIZE 1000 g

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	192756
PRODUCT NAME:	Sodium Selenite anhydrous (Ph. Eur., BP) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay calc. a.d.s.: 98.5-101.5 % Identity according to Pharmacopoeias:: passes

test

pH of 10 % solution: 9.8 - 10.8

pH sol. 1M: 10.6 - 11.4

Maximum limit of impurities

Appearance of solution: passes test

Loss on drying at 130°C: 0.5%

Chloride (Cl): 0.005%

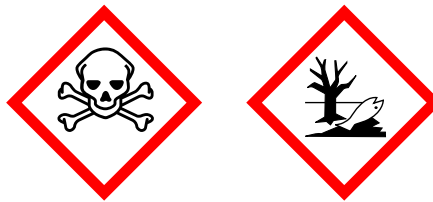
Sulfate and Selenates (as SO₄): 0.03 %

Residual solvents (Ph.Eur.): passes test

Nitrogen Compounds (as NO₃): 0.01 %

Fe: 0,005 %

HAZARD PICTOGRAMS



UN:	2630
CLASS/PG:	6.1/I
ADR:	6.1/I
IMDG:	6.1/I
IATA:	6.1/I
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS09
H PHRASES:	H331 H300 EUH031 H317 H411
P PHRASES:	P261 P264

P270
P271
P272
P501
P273
P280
P301+P310
P302+P352
P304+P340
P311
P321
P330
P333+P313
P363
P391
P403+P233
P405

MASTER NAME:	Sodium Selenite anhydrous
EINECS:	233-267-9
CS:	2842 90 10 10
INDEX NR.:	034-002-00-8

Sodium Salicylate (BP, Ph. Eur.) pure, pharma grade

2-Hydroxybenzoic Acid Sodium Salt, Salicylic Acid Sodium Salt, Sodium 2-Hydroxybenzoate

Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0%

CODE 141859

CAS 54-21-7

MOLECULAR FORMULA $C_7H_5NaO_3$

MOLAR MASS 160.11 g/mol

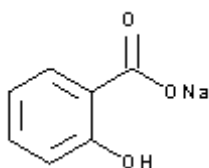
Packs sizes (1)



CODE PACKAGING SIZE

CODE 141859.1211 PACKAGING SIZE 1000 g

Product active until stock lasts.



① Technical data

MELTING POINT: 200 °C

SOLUBILITY: water 1,000 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141859
PRODUCT NAME:	Sodium Salicylate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Perchl. Ac.) calc. a.d.s.: 99.0-101.0% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Acidity: passes test Insoluble matter in H2O: passes test Loss on drying at 105°C: 0.5% Chloride (Cl): 0.02% Sulfate (SO4): 0.06% Residual solvents (Ph.Eur.): passes test Sulphite and thiosulphate: passes test Heavy metals (as Pb): 0.002% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1,300 ppm

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning

GHS SYMBOLS: GHS07

H PHRASES: H302

P PHRASES: P264
P270
P301+P312
P330
P501

MASTER NAME: Sodium Salicylate

SYNONYMS LONG TEXT: 2-Hydroxybenzoic Acid Sodium Salt, Salicylic Acid
Sodium Salt, Sodium 2-Hydroxybenzoate

EINECS: 200-198-0

CS: 2918 21 00 00

Titanium(IV) Oxide (USP, BP, Ph. Eur.) pure, pharma grade

Titanium Dioxide

Assay: 99.0-100.5%

CODE	142101
CAS	13463-67-7
MOLECULAR FORMULA	TiO ₂
MOLAR MASS	79.90 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 142101.0914	PACKAGING SIZE 5 kg	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	1,855 °C
BOILING POINT:	2,900 °C
SOLUBILITY:	Insoluble in water
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142101
PRODUCT NAME:	Titanium(IV) Oxide (USP, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay: 99.0-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in H₂SO₄: passes test
Soluble matter in H₂O: 0.25 %
Soluble matter in HCl dil: 0.5 %
Loss on ignition 800°C: 0.5%
Loss on drying at 105°C: 0.5%
Residual solvents (Ph.Eur/USP): passes test
As: 0.0001 %
Ba: 0.0020 %
Fe: 0.02 %
Sb: 0.0020 %

HAZARD PICTOGRAMS



WGK: nwg

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS08

H PHRASES: H351

MASTER NAME: Titanium(IV) Oxide

SYNONYMS LONG TEXT: Titanium Dioxide

EINECS: 236-675-5

CS: 2823 00 00 10

Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 95.0-98.0 %

CODE	141058
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (7)

	CODE	PACKAGING SIZE	
	CODE 141058.9774	PACKAGING SIZE 800 l	
	CODE 141058.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 141058.1611	PACKAGING SIZE 1000 ml	
	CODE 141058.1212	PACKAGING SIZE 2.5 l	Product active until stock lasts.
	CODE 141058.1612	PACKAGING SIZE 2.5 l	



CODE
141058.1214

PACKAGING SIZE
5 l



CODE
141058.0715

PACKAGING SIZE
10 l

① Technical data

MELTING POINT: -15 °C

BOILING POINT: 330 °C

DENSITY: 1.84 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141058

PRODUCT NAME: Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 95.0-98.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Reducing substance to KMnO₄: passes test

Residue on ignition: 0.002 %

Chloride (Cl): 0.001%

Ammonium (NH₄): 0.001%

Residual solvents (Ph.Eur/USP): passes test

Nitrate: passes test

As: 0.0001 %

Fe: 0.0025 %

HAZARD PICTOGRAMS



UN:	1830
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sulfuric Acid 93-98%
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 10% pure

Assay (titr.): 9.5 - 11.0 %

CODE	145882
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 145882.1212	PACKAGING SIZE 2.5 L

Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 145882

PRODUCT NAME: Sulfuric Acid 10% pure

SPECIFICATIONS:

Assay (titr.): 9.5 - 11.0 %
Chloride: max. 0.001 %
Nitrate: max. 0.001 %
Phosphate: max. 0.005 %
Al: max. 0.0005 %
As: max. 0.0001 %
Ca: max. 0.001 %
Fe: max. 0.005 %
Na: max. 0.005 %

Ni: max. 0.0005 %

Pb: max. 0.0001 %

Zn: max. 0.0005 %

HAZARD PICTOGRAMS



UN: 2796

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Attention

GHS SYMBOLS: GHS05

H PHRASES: H290
H315
H319

P PHRASES: P280
P305+P351+P338
P332+P313
P337+P313
P362+P364
P406

EINECS: 231-639-5

CS: 28070000

INDEX NR.: 016-020-00-8

Sulfanilamide (Ph. Fr., DAB) pure, pharma grade

4-Aminobenzenesulphonamide, p-Anilinesulphonamide, p-Sulphamidaniline

Assay (HPLC.) calc. a.d.s.: 99-101 %

CODE 142823

CAS 63-74-1

MOLECULAR FORMULA $C_6H_8N_2O_2S$

MOLAR MASS 172.21 g/mol

Packs sizes (2)



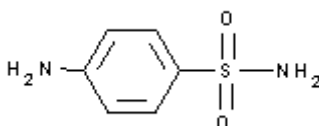
CODE PACKAGING SIZE

CODE 142823.1210
PACKAGING SIZE 500 g

Product active until stock lasts.



CODE 142823.1211
PACKAGING SIZE 1000 g



① Technical data

MELTING POINT: 164.5 - 166.5 °C

SOLUBILITY:	water 6 g/l at 20 °C alcohol 28 g/l
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142823
PRODUCT NAME:	Sulfanilamide (Ph. Fr., DAB) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (HPLC.) calc. a.d.s.: 99-101 % Identity: IR passes test Melting range: 164-167°C Maximum limit of impurities Acidity: passes test Insoluble matter in HCl: passes test Insoluble matter in NaOH: passes test Loss on drying at 105°C: 0.5% Residue on ignition (as SO₄): 0.1 % Chloride (Cl): 0.01% Sulfate (SO₄): 0.02% Heavy metals (as Pb): 0.002% Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000) Class 1A (Pt, Pd): 10 ppm Class 1B (Ir, Rh, Ru, Os): 10 ppm Class 1C (Mo, Ni, Cr, V): 25 ppm Class 2 (Cu, Mn): 250 ppm Class 3 (Fe, Zn): 1,300 ppm
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sulphanilamide
SYNONYMS LONG TEXT:	4-Aminobenzenesulphonamide, p-Anilinesulphonamide, p-Sulphamidaniline
EINECS:	200-563-4
CS:	2935 90 90 99

Sorbic Acid (BP, Ph. Eur.) pure, pharma grade

2,4-Hexadienoic Acid

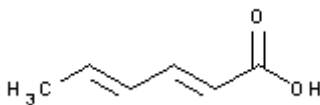
Assay (C₆H₈O₂) calc. a.d.s.: 99.0-101.0%

CODE	141055
CAS	110-44-1
MOLECULAR FORMULA	C ₆ H ₈ O ₂
MOLAR MASS	112.13 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 141055.0416	PACKAGING SIZE 25 kg



Technical data

MELTING POINT:	134 °C
BOILING POINT:	228 °C
SOLUBILITY:	water 2.5 g/l at 25 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141055
PRODUCT NAME:	Sorbic Acid (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (C₆H₈O₂) calc. a.d.s.: 99.0-101.0% Identity according to Pharmacopoeias:: passes test Melting range: 132-135°C

Maximum limit of impurities

Appearance of solution: passes test
 Insoluble matter in CH₃CH₂OH: passes test
 Residue on ignition (as SO₄): 0.2 %
 Sulfate (SO₄): 0.005%
 Residual solvents (Ph.Eur.): passes test
 Aldehydes (as C₂H₄O): 0.15%
 Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H335 H315
P PHRASES:	P261 P264 P271 P280

P304+P340
P501
P305+P351+P338
P312
P337+P313
P403+P233
P405

MASTER NAME:	Sorbic Acid
SYNONYMS LONG TEXT:	2,4-Hexadienoic Acid
EINECS:	203-768-7
CS:	2916 19 95 90

Triethanolamine (USP-NF) pure, pharma grade

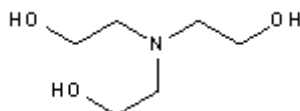
2,2',2''-Nitrilotriethanol, 2,2',2''-Trihydroxytriethylamine, TEA, Tris (2-Hydroxyethyl)Amine, Trolamine

Assay (Acidim.): 99.0-107.4%

CODE	141750
CAS	102-71-6
MOLECULAR FORMULA	$C_6H_{15}NO_3$
MOLAR MASS	149.19 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141750.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 141750.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 191750.1214 (please check specifications).
	CODE 141750.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 191750.0716 (please check specifications).



Technical data

MELTING POINT:	21 °C
BOILING POINT:	335.4 °C
DENSITY:	1.124 kg/l
REFRACTIVE INDEX:	20/D 1.4852

PRODUCT CODE:	141750
PRODUCT NAME:	Triethanolamine (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 99.0-107.4% Identity according to Pharmacopoeias:: passes test Density 25/25: 1.120-1.128 Refractive Index n 20/D: 1.482-1.485

Maximum limit of impurities

Residue on ignition (as SO₄): 0.05 %
Total bases: passes test
Related substances: passes test
Residual solvents (Ph.Eur/USP): passes test
Water (H₂O): 0.15 %
Heavy metals (as Pb): 0.0005%

WGK:	1
STORAGE:	Storage away from direct light.

MASTER NAME:	Triethanolamine
SYNONYMS LONG TEXT:	2,2',2''-Nitrilotriethanol, 2,2',2''-Trihydroxytriethylamine, TEA, Tris (2-Hydroxyethyl)Amine, Trolamine
EINECS:	203-049-8
CS:	2922 15 00 00

Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade

2,2',2''-Nitrilotriethanol, 2,2',2''-Trihydroxytriethylamine, TEA, Tris (2-Hydroxyethyl)Amine, Trolamine

Assay (Acidim.): 99.0-103.0 %

CODE

Z91750

CAS

102-71-6

MOLECULAR FORMULA

C₆H₁₅NO₃

MOLAR MASS

149.19 g/mol

Packs sizes (1)



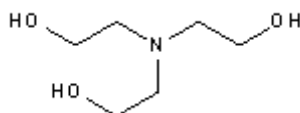
CODE

CODE
Z91750.0716

PACKAGING
SIZE

PACKAGING
SIZE
25 l

Product discontinued. Alternative
191750.0716 (please check specifications).



① Technical data

MELTING POINT:

21 °C

BOILING POINT:

335.4 °C

DENSITY: 1.124 kg/l

REFRACTIVE INDEX: 20/D 1.4852

PRODUCT CODE: Z91750

PRODUCT NAME: Triethanolamine (BP, Ph. Eur., USP-NF) pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS: Assay (Acidim.): 99.0-103.0 %
Identity according to Pharmacopoeias:: passes test
Density 20/20: 1.120-1.130
Density 25/25: 1.120-1.128
Refractive Index n 20/D: 1.482 - 1.485

Maximum limit of impurities

Appearance of solution: passes test
Residue on ignition (as SO₄): 0.05 %
Related substances
Residual solvents (Ph.Eur/USP): passes test
Ethanolamine: 0.1%
Diethanolamine: 0.5%
Total impurities: 1.0%
N-Nitrosodiethanolamine: 24 ppb
Water (H₂O): 0.5 %

WGK: 1

STORAGE: Storage away from direct light.

MASTER NAME: Triethanolamine

SYNONYMS LONG TEXT: 2,2',2''-Nitrilotriethanol, 2,2',2''-Trihydroxytriethylamine, TEA, Tris (2-Hydroxyethyl)Amine, Trolamine

EINECS: 203-049-8

CS: 2922 15 00 00

Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade

TCA

Assay (Acidim.) calc. a.d.s.: 99.0-100.5%

CODE

141067

CAS

76-03-9

MOLECULAR FORMULA

CCl₃COOH

MOLAR MASS

163.39 g/mol

Packs sizes (4)



CODE

PACKAGING SIZE

CODE
141067.1608

PACKAGING SIZE
100 g



CODE
141067.1611

PACKAGING SIZE
1000 g



CODE
141067.0914

PACKAGING SIZE
5 kg



CODE
141067.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 57 - 58 °C

BOILING POINT: 196 - 197 °C

SOLUBILITY: water 1,200 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141067

PRODUCT NAME: Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.d.s.: 99.0-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Loss on drying: 1.0%

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.05%

Nitrate (NO₃): 0.02%

HAZARD PICTOGRAMS



UN:	1839
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H410 H335
P PHRASES:	P260 P264 P273 P280 P301+P330+P331 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P363 P405 P261 P271 P403+P233 P312 P391

MASTER NAME:	Trichloroacetic Acid
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SYNONYMS LONG TEXT:	TCA
EINECS:	200-927-2
CS:	2915 40 00 00
INDEX NR.:	607-004-00-7

tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

2-Hydroxy-1,2,3-Propanetricarboxylic Acid Sodium Salt, Citric Acid Trisodium Salt, Sodium Citrate

Assay (Perchl. Ac.) (calc. a.a.s): 99.0-100.5%

CODE 141655

CAS 6132-04-3

MOLECULAR FORMULA $C_6H_5Na_3O_7 \cdot 2H_2O$

MOLAR MASS 294.10 g/mol

Packs sizes (3)



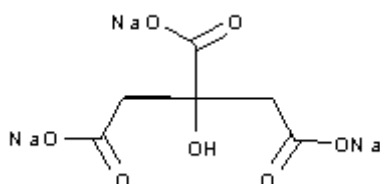
CODE	PACKAGING SIZE
141655.1211	1000 g



CODE	PACKAGING SIZE
141655.1214	5 kg



CODE	PACKAGING SIZE
141655.0416	25 kg



Technical data

MELTING POINT: 150 °C

SOLUBILITY: water 720 g/l at 25 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141655

PRODUCT NAME: tri-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Perchl. Ac.) (calc. a.a.s): 99.0-100.5%
Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 7.5-9.0

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Insoluble matter in H₂O: 0.025 %

Darkened substances by H₂SO₄: passes test

Chloride (Cl): 0.005%

Ammonium (NH₄): 0.002%

Sulfate (SO₄): 0.015%

Residual solvents (Ph.Eur/USP): passes test

Oxalate (C₂O₄): 0.03%

Tartrate: passes test

Water (H₂O): 11.0-13.0 %

K: 0.1 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: tri-Sodium Citrate 2-hydrate

SYNONYMS LONG TEXT: 2-Hydroxy-1,2,3-Propanetricarboxylic Acid

SodiumSalt, Citric Acid Trisodium Salt, Sodium Citrate

EINECS: 200-675-3

CS: 2918 15 00 10

tri-Calcium Phosphate (BP, Ph. Eur.) pure, pharma grade

Calcium Phosphate tri-Basic

Assay (as Ca) (Compl.): 35.0-40.0 %

CODE	141228
CAS	7758-87-4
MOLECULAR FORMULA	$\text{Ca}_3(\text{PO}_4)_2$
MOLAR MASS	310.20 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141228.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	1,670 °C
SOLUBILITY:	water 0.02 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141228
PRODUCT NAME:	tri-Calcium Phosphate (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade

SPECIFICATIONS:

Assay (as Ca) (Compl.): 35.0-40.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Insoluble matter in HCl: 0.2 %

Loss on ignition: 8.0 %

Chloride (Cl): 0.15%

Sulfate (SO₄): 0.5%

Residual solvents (Ph.Eur.): passes test

Fluoride (F): 0.005%

Heavy metals (as Pb): 0.003%

As: 0.0003 %

Cu: 0.005 %

Fe: 0.04 %

Mg: 0.6 %

Ni: 0.005 %

Pb: 0.005 %

Elemental impurities according to the ICH Q3D guide: Cadmium and Lead can be present below 1 ppm. The rest of the elements of class 1-3 are not likely to be present above the limits of ICH Q3D option 1.

WGK:

nwg

STORAGE:

Room Temperature.

MASTER NAME:

tri-Calcium Phosphate

SYNONYMS LONG TEXT:

Calcium Phosphate tri-Basic

EINECS:

231-840-8

CS:

2835 26 00 00

Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade

Liquid Paraffin, Mineral Oil, Paraffin Oil

CODE

141003

CAS

8042-47-5

Packs sizes (4)



CODE

CODE

141003.1209

PACKAGING SIZE

PACKAGING SIZE

250 ml



CODE

141003.1211

PACKAGING SIZE

1000 ml



CODE

141003.1214

PACKAGING SIZE

5 l



CODE

141003.0716

PACKAGING SIZE

25 l

① Technical data

MELTING POINT:

-24 °C

BOILING POINT:

300 °C 1,000 hPa

DENSITY:

0.880 kg/l

REFRACTIVE INDEX:	20/D 1.479
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	141003
PRODUCT NAME:	Vaseline Oil (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test Density 20/20: 0.827-0.890 Density 25/25: 0.845-0.905 Viscosity dynamic at 19.9-20.1°C: 110 - 230 mPas Viscosity kinematic 39.9-40.1°C: 34,5 - 150,0 mm²/s Maximum limit of impurities Acidity or alkalinity: passes test Darkened substances by H₂SO₄: passes test Sulfur compounds: passes test Solid Paraffin: passes test Residual solvents (Ph.Eur/USP): passes test Polynuclear Hydrocarbons: passes test
WGK:	2
STORAGE:	Storage away from direct light.
MASTER NAME:	Vaseline Oil
SYNONYMS LONG TEXT:	Liquid Paraffin, Mineral Oil, Paraffin Oil
EINECS:	232-455-8
CS:	2710 19 85 00

Urea crystalline (USP, BP, Ph. Eur.) pharma grade

Carbamide, Carbonyldiamide

Assay (Ph. Eur.) (Deter. N) calc. a.d.s.: 98.5-101.5%

CODE 191754

CAS 57-13-6

MOLECULAR FORMULA NH_2CONH_2

MOLAR MASS 60.06 g/mol

Packs sizes (1)

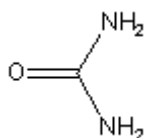


CODE

PACKAGING SIZE

CODE
191754.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 135 °C

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	191754
PRODUCT NAME:	Urea crystalline (USP, BP, Ph. Eur.) pharma grade
QUALITY NAME:	pharma grade
SPECIFICATIONS:	Assay (Ph. Eur.) (Deter. N) calc. a.d.s.: 98.5-101.5% Assay (USP) (HPLC): 98.0-102.0% Identity according to Pharmacopoeias:: passes test Melting range: 132-134°C Maximum limit of impurities Appearance of solution: passes test Alkalinity: passes test Insoluble matter in C₂H₅OH: 0.04 % Loss on drying at 105°C: 1.0% Residue on ignition (as SO₄): 0.1 % Chloride (Cl): 0.007% Ammonium (NH₄): 0.05% Sulfate (SO₄): 0.010% Residual solvents (Ph.Eur/USP): passes test Biuret: 0.1% Organic impurities: Individual unspecified impurity: 0.1% Total impurities: 2.0% Related compound A: 0.1%
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Urea *crystal
SYNONYMS LONG TEXT:	Carbamide, Carbonyldiamide
EINECS:	200-315-5
CS:	3102 10 10 00

Tween ® 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica

Polyoxyethylene 20 Sorbitane mono-Oleate, Polysorbate 80

CODE

142050

CAS

9005-65-6

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142050.1611

1000 ml

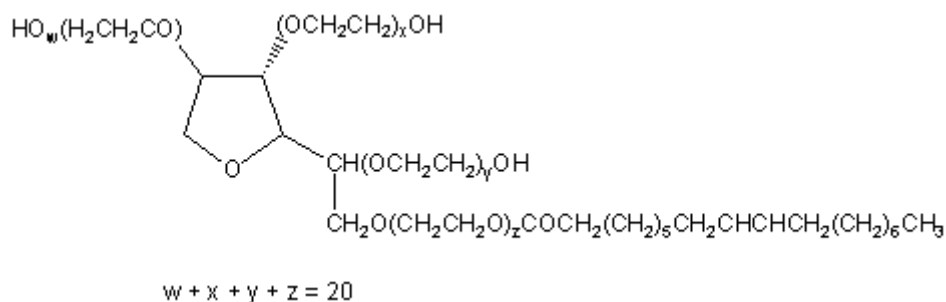


CODE

PACKAGING SIZE

142050.1214

5 l



① Technical data

BOILING POINT:

> 100 °C

DENSITY:

1.075 kg/l

SOLUBILITY:	Soluble in water.
REFRACTIVE INDEX:	20/D 1.472
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	142050
PRODUCT NAME:	Tween ® 80 (USP-NF, BP, Ph. Eur.) pharma grade, BioChemica
QUALITY NAME:	pharma grade, BioChemica
HEADLINE COMMENT:	(® Registered trade-mark of ICI)
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test Density 25/25: 1.06-1.09 Viscosity 25°C: 300-500 cSt Maximum limit of impurities Residue on ignition (as SO₄): 0.2 % Acidity value: 2.0 Hydroxyl value: 65-80 Iodine value: 18-24 Peroxide value: 10.0 Saponification value: 45-55 Composition of fatty acids: Total ashes: 0.25% Residual solvents (Ph.Eur/USP): passes test Myristic acid: 5.0 % Palmitic Acid: 16.0 % Palmitoleic acid: 8.0 % Stearic acid: 6.0 % Oleic acid: 58.0 - 85.0 % Linoleic acid: 18.0 % Linolenic acid: 4.0 % Dioxan: 0.001% Ethylene Oxide: 0.0001% Reducing impurities: passes test Water (H₂O): 3.0 % Heavy metals (as Pb): 0.001%

WGK: 1

STORAGE: Storage away from direct light.

MASTER NAME: Tween ® 80

SYNONYMS LONG TEXT: Polyoxyethylene 20 Sorbitane mono-Oleate,
Polysorbate 80

EINECS: 500-019-9

CS: 3402 42 00 90

Tween ® 20 (USP-NF, BP, Ph. Eur.) pure, pharma grade

Polyoxyethylene 20 Sorbitane mono-Laurate, Polysorbate 20

CODE

142312

CAS

9005-64-5

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142312.1611

1000 ml

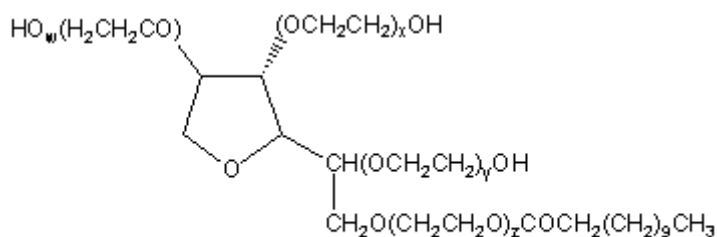


CODE

PACKAGING SIZE

142312.1214

5 l



① Technical data

BOILING POINT:

> 100 °C

DENSITY:

1.105 kg/l

SOLUBILITY:	water 100 g/l at 25 °C
REFRACTIVE INDEX:	20/D 1.4735
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	142312
PRODUCT NAME:	Tween ® 20 (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
HEADLINE COMMENT:	(® Registered trade-mark of ICI)
SPECIFICATIONS:	Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Residue on ignition (as SO₄): 0.2 %
 Acidity value: 2.0
 Hydroxyl value: 96-108
 Iodine value: 5
 Peroxide value: 10.0
 Saponification value: 40-50
 Composition of fatty acids:
 Total ashes: 0.25%
 Residual solvents (Ph.Eur/USP): passes test
 Caproic acid: 1.0 %
 Caprilic acid: 10.0 %
 Capric acid: 10.0 %
 Lauric acid: 40.0 - 60.0 %
 Myristic acid: 14.0 - 25.0 %
 Palmitic acid: 7.0 - 15.0 %
 Stearic acid: 7.0 %
 Oleic acid: 11.0 %
 Linoleic acid: 3.0 %
 Dioxan: 0.001%
 Ethylene Oxide: 0.0001%
 Reducing impurities: passes test
 Water (H₂O): 3.0 %
 Heavy metals (as Pb): 0.001%
 VEGETABLE ORIGIN.

WGK: 1

STORAGE: Storage away from direct light.

MASTER NAME: Tween® 20

SYNONYMS LONG TEXT: Polyoxyethylene 20 Sorbitane mono-Laurate,
Polysorbate 20

EINECS: 500-018-3

CS: 3402 42 00 90

Triethyl Citrate (Ph. Eur., USP-NF) pure, pharma grade

Assay (GC; calc. dried subst.): 99.0 - 100.5 %

CODE	147039
CAS	77-93-0
MOLECULAR FORMULA	C ₁₂ H ₂₀ O ₇
MOLAR MASS	276.29 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
147039.1211	1 L

Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 147039

PRODUCT NAME: Triethyl Citrate (Ph. Eur., USP-NF) pure, pharma grade

SPECIFICATIONS: Assay (GC; calc. dried subst.): 99.0 - 100.5 %
Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
Density (d 25°C/25°C): 1.135 - 1.139
n 25°C/D: 1.439 - 1.441
n 20°C/D: 1.440 - 1.446
Identity: passes test

Acidic react. subst.: passes test
Sulfated ash: max. 0.1 %
Related subst. (GC): passes test
Water (K.F.): max. 0.25 %

WGK: 1

STORAGE: RT

EINECS: 201-070-7

CS: 29181500

Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

White Vitriol

Assay (Compl.): 99.0-104.0%

CODE

141787

CAS

7446-20-0

MOLECULAR FORMULA

ZnSO₄.7H₂O

MOLAR MASS

287.54 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141787.1211

1000 g



CODE

PACKAGING SIZE

141787.0416

25 kg

① Technical data

MELTING POINT: 100 °C

SOLUBILITY: water 960 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141787

PRODUCT NAME:	Zinc Sulfate 7-hydrate (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Compl.): 99.0-104.0% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 4.4-5.6 Maximum limit of impurities Appearance of solution: passes test Acidity: passes test Chloride (Cl): 0.03% Nitrogen compounds (as N): 0.005% Residual solvents (Ph.Eur/USP): passes test Alkalis and alkaline-earths: 0.5% As: 0.0001 % Ca: 0.02 % Fe: 0.005 % Pb: 0.00005 %

HAZARD PICTOGRAMS



UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	3
STORAGE:	Not recommended in areas with a very hot climate
SIGNAL WORD:	Danger

GHS SYMBOLS:	GHS07 GHS05 GHS09
H PHRASES:	H302 H318 H410
P PHRASES:	P264 P270 P273 P280 P301+P312 P305+P351+P338 P310 P330 P391 P501

MASTER NAME:	Zinc Sulphate 7-hydrate
SYNONYMS LONG TEXT:	White Vitriol
EINECS:	231-793-3
CS:	2833 29 20 00
INDEX NR.:	030-006-00-9

Zinc Sulfate 1-hydrate (USP, Ph. Eur., BP) pure, pharma grade

White Vitriol

Assay (Compl.): 99.0-100.5%

CODE	141788
CAS	7446-19-7
MOLECULAR FORMULA	ZnSO ₄ .H ₂ O
MOLAR MASS	179.45 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 141788.1211	PACKAGING SIZE 1000 g
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Product active until stock lasts.

Technical data

SOLUBILITY: water 350 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141788

PRODUCT NAME: Zinc Sulfate 1-hydrate (USP, Ph. Eur., BP) pure,
pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Compl.): 99.0-100.5%

Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.0-5.6

Maximum limit of impurities

Appearance of solution: passes test
Acidity: passes test
Chloride (Cl): 0.03%
Residual solvents (Ph.Eur/USP): passes test
Alkalis and alkaline-earths: 0.9%
As: 0.0001 %
Fe: 0.01 %
Pb: 0.00005 %

HAZARD PICTOGRAMS



UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS09
H PHRASES:	H302 H318 H410
P PHRASES:	P264

P270
P273
P280
P301+P312
P305+P351+P338
P310
P330
P391
P501

MASTER NAME: Zinc Sulphate 1-hydrate

SYNONYMS LONG TEXT: White Vitriol

EINECS: 231-793-3

CS: 2833 29 20 00

INDEX NR.: 030-006-00-9

Zinc Chloride (Ph. Eur.) for analysis, ACS, pharma grade

Assay (Titration) (Ph. Eur.): 97.0 - 100.5 %

CODE	191779
CAS	7646-85-7
MOLECULAR FORMULA	ZnCl ₂
MOLAR MASS	136.28 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
191779.1211	1000 g

① Technical data

MELTING POINT:	290 °C
BOILING POINT:	730 °C
SOLUBILITY:	water 3,680 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	191779
PRODUCT NAME:	Zinc Chloride (Ph. Eur.) for analysis, ACS, pharma grade

QUALITY NAME: for analysis, ACS, pharma grade

SPECIFICATIONS: Assay (Titration) (Ph. Eur.): 97.0 - 100.5 %
Identity according to Pharmacopoeia:: passes test
pH sol. 10 %: 4.6 - 5.5

Maximum limit of impurities

Insoluble matter in HCl: 0.005 %

Ammonium (NH₄): 0.005%

Sulfate (SO₄): 0.01%

Al, Ca, Fe, Mg: passes test

Nitrate (NO₃): 0.003%

Oxychloride: passes test

Ca: 0,06 %

Cd: 0,0005 %

Co: 0,0005 %

Cr: 0,0005 %

Cu: 0,0005 %

Fe: 0,001 %

K: 0,02 %

Mg: 0,005 %

Mn: 0,001 %

Na: 0,05 %

Ni: 0,0005 %

Pb: 0,001 %

HAZARD PICTOGRAMS



UN: 2331

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 3

STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS09
H PHRASES:	H302 H314 H410 H335
P PHRASES:	P260 P264 P270 P273 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P391 P405 P501

MASTER NAME:	Zinc Chloride
EINECS:	231-592-0
CS:	2827 39 85 90
INDEX NR.:	030-003-00-2

Vitamin B₁₂ (Ph. Eur.) pure, pharma grade

Assay (UV, calc. on dried subst.): 96.0 - 102.0 %

CODE

A8454

CAS

68-19-9

MOLECULAR FORMULA

C₆₃H₈₈CoN₁₄O₁₄P

MOLAR MASS

1355.39 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A8454,0001

PACKAGING SIZE
1 g



CODE
A8454,0025

PACKAGING SIZE
25 g



CODE
A8454,9500

PACKAGING SIZE
500 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A8454

PRODUCT NAME:

Vitamin B₁₂ (Ph. Eur.) pure, pharma grade

SPECIFICATIONS:

Assay (UV, calc. on dried subst.): 96.0 - 102.0 %
Identity: passes test
Loss on drying (2 h; 105°C; vacuum): max. 12 %
Related subst. (HPLC): passes test
Absorption maxima (278, 361, 547 - 559 nm):
passes test
A (1 cm/0,0025 %, H₂O)
361/278 nm: 1.70 - 1.90
361 nm/547 - 559 nm: 3.15 - 3.45

WGK:

1

STORAGE:

2 - 8°C
protected from light

EINECS:

200-680-0

CS:29362600

По вопросам продаж и поддержки обращайтесь:

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