Соли и минералы

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)3454704
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
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Кострома (4942)77-07-48
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Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
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Оренбург (3532)37-68-04
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Пермь (342)205-81-47
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Смоленск (4812)29-41-54
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Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
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Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
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Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

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1-Heptane Sulfonic Acid Sodium Salt for HPLC

Sodium 1-Heptanesulphonate

Minimum assay (Acidim.) calc. a.d.s.: 99.0%

CODE	**364897**
CAS	**22767-50-6**
MOLECULAR FORMULA	**$C_7H_{15}NaO_3S$**
MOLAR MASS	**202.25 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 364897.1606	PACKAGING SIZE 25 g
	CODE 364897.1608	PACKAGING SIZE 100 g

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	364897
PRODUCT NAME:	1-Heptane Sulfonic Acid Sodium Salt for HPLC
QUALITY NAME:	for HPLC
HEADLINE COMMENT:	for ion pair chromatography
SPECIFICATIONS:	Minimum assay (Acidim.) calc. a.d.s.: 99.0% Identity: IR passes test UV Spectrum (1cm cell; Ref.: water): Transmittance at 200 nm: ≥70% Transmittance at 220 nm: ≥90% Transmittance at 250 nm: ≥98%
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	1-Heptane Sulphonic Acid Sodium Salt
SYNONYMS LONG TEXT:	Sodium 1-Heptanesulphonate
EINECS:	245-210-5
CS:	2904 10 00 90

1-Heptane Sulfonic Acid Sodium Salt 1-hydrate for HPLC

Assay (titr.): min. 99 %

CODE	**367128**
CAS	**207300-90-1**
MOLECULAR FORMULA	**$C_7H_{15}NaO_3S \cdot H_2O$**
MOLAR MASS	**220.27 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 367128.1606	PACKAGING SIZE 25 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	367128
PRODUCT NAME:	1-Heptane Sulfonic Acid Sodium Salt 1-hydrate for HPLC
SPECIFICATIONS:	Assay (titr.): min. 99 % Alkylbromide: max. 0.01 % Solubility (5 %; H_2O): clear, colorless A (1 cm/0.005 M in water HPLC grade) 200 nm: max. 0.15 220 nm: max. 0.06

WGK:	1
STORAGE:	RT

EINECS:	245-210-5
CS:	29041000

1-Decane Sulfonic Acid Sodium Salt for HPLC

Assay (titr.): min. 99 %

CODE	**367127**
CAS	**13419-61-9**
MOLECULAR FORMULA	**$C_{10}H_{21}NaO_3S$**
MOLAR MASS	**244.33 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 367127.1606	PACKAGING SIZE 25 g
	CODE 367127.1609	PACKAGING SIZE 250 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	367127
PRODUCT NAME:	1-Decane Sulfonic Acid Sodium Salt for HPLC
SPECIFICATIONS:	Assay (titr.): min. 99 % Solubility (10 %; H_2O): clear, colorless Heavy Metals (as Pb): max. 0.001 % A (1 cm/0.005 M in water HPLC grade)

	200 nm: max. 0.40 220 nm: max. 0.05
WGK:	1
STORAGE:	RT
EINECS:	236-525-9
CS:	29041000

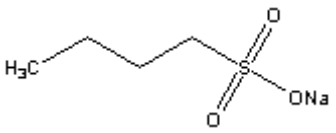
1-Butanesulfonic acid sodium salt IPC grade

Assay (titr.): min. 99 %

CODE	**A1012**
CAS	**2386-54-1**
MOLECULAR FORMULA	**$C_4H_9NaO_3S$**
MOLAR MASS	**160.17 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A1012,5000	PACKAGING SIZE 5 kg



Technical data

PRODUCT CODE:	A1012
PRODUCT NAME:	1-Butanesulfonic acid sodium salt IPC grade
SPECIFICATIONS:	Assay (titr.): min. 99 % Solubility (10 %; H_2O): clear, colorless pH (10 %; H_2O): 5.0 - 7.0 Loss on drying: max. 2 % A (1 cm/0.005 M in water HPLC grade) 200 nm: max. 0.15

	220 nm: max. 0.05
WGK:	1
STORAGE:	RT
EINECS:	219-201-1
CS:	29041000

1-Butane Sulfonic Acid Sodium Salt for HPLC

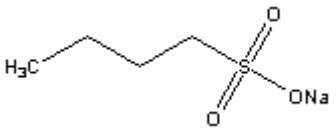
Sodium 1-Butanesulphonate

Minimum assay (Acidim.) (a.d.s.): 99.0%

CODE	**365769**
CAS	**2386-54-1**
MOLECULAR FORMULA	**$C_4H_9NaO_3S$**
MOLAR MASS	**160.16 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 365769.1606	PACKAGING SIZE 25 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.



Technical data

MELTING POINT:	> 300 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	365769

PRODUCT NAME:	1-Butane Sulfonic Acid Sodium Salt for HPLC
QUALITY NAME:	for HPLC
HEADLINE COMMENT:	for ion pair chromatography
SPECIFICATIONS:	Minimum assay (Acidim.) (a.d.s.): 99.0% Identity: IR passes test UV Spectrum (1cm cell; Ref.: water): Transmittance at 200 nm: ≥70% Transmittance at 220 nm: ≥90% Transmittance at 250 nm: ≥98%

WGK:	3
STORAGE:	Room Temperature.

MASTER NAME:	1-Butane Sulphonic Acid Sodium Salt
SYNONYMS LONG TEXT:	Sodium 1-Butanesulphonate
EINECS:	219-201-1
CS:	2904 10 00 90

2'-Deoxycytidine Hydrochloride *BioChemica*

Assay (HPLC): min. 98 %

CODE	**A2151**
CAS	**3992-42-5**
MOLECULAR FORMULA	**$C_9H_{13}N_3O_4 \cdot HCl$**
MOLAR MASS	**263.68 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A2151,0025	PACKAGING SIZE 25 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2151
PRODUCT NAME:	2'-Deoxycytidine Hydrochloride *BioChemica*
SPECIFICATIONS:	Assay (HPLC): min. 98 % α20°C/D; 1 %, H_2O: +54° - +60°
WGK:	1
STORAGE:	RT

EINECS:	223-639-9
CS:	29349990

1-Pentane Sulfonic Acid Sodium Salt for HPLC

Sodium 1-Pentanesulphonate

Minimum assay (Acidim.) (calc. a.d.s.): 99.0%

CODE	**364896**
CAS	**22767-49-3**
MOLECULAR FORMULA	**$C_5H_{11}NaO_3S$**
MOLAR MASS	**174.20 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 364896.1606	PACKAGING SIZE 25 g

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	364896
PRODUCT NAME:	1-Pentane Sulfonic Acid Sodium Salt for HPLC
QUALITY NAME:	for HPLC

HEADLINE COMMENT:	for ion pair chromatography
SPECIFICATIONS:	Minimum assay (Acidim.) (calc. a.d.s.): 99.0% Identity: IR passes test UV Spectrum (1cm cell; Ref.: water): Transmittance at 200 nm: ≥70% Transmittance at 220 nm: ≥90% Transmittance at 250 nm: ≥98%
WGK:	3
STORAGE:	Room Temperature.
MASTER NAME:	1-Pentane Sulphonic Acid Sodium Salt
SYNONYMS LONG TEXT:	Sodium 1-Pentanesulphonate
EINECS:	245-208-4
CS:	2904 10 00 90

1-Octane Sulfonic Acid Sodium Salt for HPLC

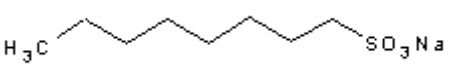
Sodium 1-Octanesulphonate

Minimum assay (Acidim.) calc. a.d.s.: 99.0%

CODE	**363995**
CAS	**5324-84-5**
MOLECULAR FORMULA	**$C_8H_{17}NaO_3S$**
MOLAR MASS	**216.28 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 363995.1605	PACKAGING SIZE 10 g	Product discontinued. Alternative 363995.1606 (please check specifications).
	CODE 363995.1606	PACKAGING SIZE 25 g	
	CODE 363995.1608	PACKAGING SIZE 100 g	



Technical data

MELTING POINT:	> 300 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	363995
PRODUCT NAME:	1-Octane Sulfonic Acid Sodium Salt for HPLC
QUALITY NAME:	for HPLC
HEADLINE COMMENT:	for ion pair chromatography
SPECIFICATIONS:	Minimum assay (Acidim.) calc. a.d.s.: 99.0% Identity: IR passes test **Maximum limit of impurities** Water (H2O): 2 % UV Spectrum (1cm cell; Ref.: water): Transmittance at 200 nm: ≥70% Transmittance at 220 nm: ≥90% Transmittance at 250 nm: ≥98%

HAZARD PICTOGRAMS	
WGK:	2
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:	1-Octane Sulphonic Acid Sodium Salt
SYNONYMS LONG TEXT:	Sodium 1-Octanesulphonate
EINECS:	226-195-4
CS:	2904 10 00 90

1-Hexane Sulfonic Acid Sodium Salt 1-hydrate for HPLC

Assay (titr.): min. 99 %

CODE	**367129**
CAS	**207300-91-2**
MOLECULAR FORMULA	**$C_6H_{13}NaO_3S \cdot H_2O$**
MOLAR MASS	**206.24 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 367129.1606	PACKAGING SIZE 25 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	367129
PRODUCT NAME:	1-Hexane Sulfonic Acid Sodium Salt 1-hydrate for HPLC
SPECIFICATIONS:	Assay (titr.): min. 99 % Alkylbromide: max. 0.01 % Solubility (5 %; H_2O): clear, colorless A (1 cm/0.005 M in water HPLC grade) 200 nm: max. 0.15 220 nm: max. 0.06

WGK:	1
STORAGE:	RT
EINECS:	220-601-3
CS:	29041000

1-Hexane Sulfonic Acid Sodium Salt for HPLC

Sodium 1-Hexanesulphonate

Minimum assay (Acidim.) (a.d.s.): 99.0%

CODE	**363428**
CAS	**2832-45-3**
MOLECULAR FORMULA	**$C_6H_{13}NaO_3S$**
MOLAR MASS	**188.22 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 363428.1606	PACKAGING SIZE 25 g
	CODE 363428.1608	PACKAGING SIZE 100 g

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	363428

PRODUCT NAME:	1-Hexane Sulfonic Acid Sodium Salt for HPLC
QUALITY NAME:	for HPLC
HEADLINE COMMENT:	for ion pair chromatography
SPECIFICATIONS:	Minimum assay (Acidim.) (a.d.s.): 99.0% Identity: IR passes test UV Spectrum (1cm cell; Ref.: water): Transmittance at 200 nm: ≥70% Transmittance at 220 nm: ≥90% Transmittance at 250 nm: ≥98%
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	1-Hexane Sulphonic Acid Sodium Salt
SYNONYMS LONG TEXT:	Sodium 1-Hexanesulphonate
EINECS:	220-601-3
CS:	2904 10 00 90

Silver Nitrate 0.1 mol/l (0.1N) volumetric solution

CODE	**181464**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 181464.1211	PACKAGING SIZE 1000 ml
	CODE 181464.1212	PACKAGING SIZE 2.5 l
	CODE 181464.1315	PACKAGING SIZE 10 l

ⓘ Technical data

DENSITY:	1.012 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181464
PRODUCT NAME:	

	Silver Nitrate 0.1 mol/l (0.1N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Potassium Chromate
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H412 H315 H319
P PHRASES:	P273 P501

MASTER NAME:	Silver Nitrate 0,1 mol/l *(0,1N)
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) food grade

Potassium Phosphate , mono-Basic, Potassium Phosphate , primary

Assay (as KH2PO4) after drying, not less than: 98.0%

CODE	**201509**
CAS	**7778-77-0**
MOLECULAR FORMULA	**KH_2PO_4**
MOLAR MASS	**136.09 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201509.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	252 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201509
PRODUCT NAME:	Potassium di-Hydrogen Phosphate (E-340i, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as KH2PO4) after drying, not less than: 98.0%

	Identity Phosphate: passes test Potassium: passes test pH sol. 1%: 4.2-4.8 Appearance: passes test Insoluble substances as an. subs. , not more than: 0.2 % Loss on drying , not more than: 1% P2O5 content (a.d.s.): 51.0 - 53.0 % Fluoride, not more than: 10 ppm Arsenic (as As), not more than: 1 ppm Cadmium (Cd), not more than: 1 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 1 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
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

Potassium Carbonate pure

Assay (Acidim.): 99%

CODE	**141490**
CAS	**584-08-7**
MOLECULAR FORMULA	**K_2CO_3**
MOLAR MASS	**138.21 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141490.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	891 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141490
PRODUCT NAME:	Potassium Carbonate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 99% Insoluble matter in H2O: 0.02 % Loss on drying at 300°C: 3% Chloride (Cl): 0.01%

	Nitrogen compounds (as N): 0.005% Phosphate (PO4): 0.005 % Sulfate (SO4): 0.05% Al: 0.005 % As: 0.0003 % Ca: 0.01 % Cu: 0.003 % Fe: 0.003 % Mg: 0.01 % Ni: 0.003 % Pb: 0.003 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P264 P270 P501
MASTER NAME:	Potassium Carbonate
EINECS:	209-529-3
CS:	2836 40 00 00

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

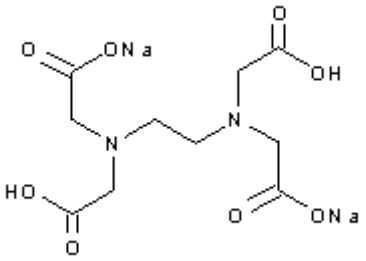
Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl)Glycine]

Assay (Compl.): 99.0-101.0%

CODE	**141669**
CAS	**6381-92-6**
MOLECULAR FORMULA	**$C_{10}H_{14}N_2Na_2O_8.2H_2O$**
MOLAR MASS	**372.24 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141669.1211	PACKAGING SIZE 1000 g
	CODE 141669.0914	PACKAGING SIZE 5 kg
	CODE 141669.0416	PACKAGING SIZE 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-Ethanediyl-bis[N-(Carboxymethyl)Glycine]
EINECS:	205-358-3
CS:	2922 49 85 90

α-Ketobutyric Acid Sodium Salt *BioChemica*

Assay (titr.): min. 98 %

CODE	**A1945**
CAS	**2013-26-5**
MOLECULAR FORMULA	**$C_4H_5NaO_3$**
MOLAR MASS	**124.07 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1945,0150	PACKAGING SIZE 150 g

Technical data

SOLUBILITY:	readily soluble (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1945
PRODUCT NAME:	α-Ketobutyric Acid Sodium Salt *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 98 % Water (K.F.): max. 2 %

HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	2 - 8°C
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P261 P280 P305+P351+P338 P403+P233 P405 P501
EINECS:	217-937-8
CS:	29183000

Alum Iron Ammonium saturated solution for volumetric analysis

Iron Alum, Iron(III) Ammonium Sulphate

CODE	**281366**
CAS	**7783-83-7**
MOLECULAR FORMULA	**$NH_4Fe(SO_4)_2 .12H_2O$**
MOLAR MASS	**482.19 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 281366.1209	PACKAGING SIZE 250 ml

ⓘ Technical data

DENSITY:	1.178 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	281366
PRODUCT NAME:	Alum Iron Ammonium saturated solution for volumetric analysis
QUALITY NAME:	for volumetric analysis
HEADLINE COMMENT:	indicator for determination of chloride according to Volhard
SPECIFICATIONS:	COMPOSITION:

	Ammonium Iron(III) Sulphate 12-hydrate: 50 g Sulphuric Acid 96%: 0.1 ml Water (s.q.m): 100 ml
WGK:	3
STORAGE:	Room Temperature.
MASTER NAME:	Alum Iron Ammonium saturated solution
SYNONYMS LONG TEXT:	Iron Alum, Iron(III) Ammonium Sulphate
EINECS:	233-382-4
CS:	2833 30 00 00

Acetyl-Coenzyme A Trilithium Salt *BioChemica*

Assay (enzym.): min. 83 %

CODE	**A3753**
CAS	**75520-41-1**
MOLECULAR FORMULA	**$C_{23}H_{35}Li_3N_7O_{17}P_3S$**
MOLAR MASS	**827.37 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A3753,0100	PACKAGING SIZE 100 mg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3753
PRODUCT NAME:	Acetyl-Coenzyme A Trilithium Salt *BioChemica*
SPECIFICATIONS:	Assay (enzym.): min. 83 % Solubility (1 %; H_2O): clear, colorless Loss on drying: max. 5 %
WGK:	1
STORAGE:	-20°C

EINECS:	278-233-4
CS:	29349990

Acetoacetic acid lithium salt *BioChemica*

Assay (titr.): min. 96 %

CODE	**A1941**
CAS	**3483-11-2**
MOLECULAR FORMULA	**$C_4H_5LiO_3$**
MOLAR MASS	**108.02 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1941,0100	PACKAGING SIZE 100 g

Technical data

PRODUCT CODE:	A1941
PRODUCT NAME:	Acetoacetic acid lithium salt *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 96 % Solubility (5 %; H_2O): clear, colorless to light yellowish Water: max. 2 %
HAZARD PICTOGRAMS	
WGK:	1

STORAGE:	-20°C
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P261 P280 P305+P351+P338 P403+P233 P405 P501
CS:	29183000

tetra-Sodium Pyrophosphate 10-hydrate pure

Sodium Pyrophosphate, tetra-Sodium Diphosphate, TSPP

Assay (Acidim.): 98%

CODE	**141710**
CAS	**13472-36-1**
MOLECULAR FORMULA	**$Na_4P_2O_7.10H_2O$**
MOLAR MASS	**446.06 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141710.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	79 °C
SOLUBILITY:	water 62.3 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141710
PRODUCT NAME:	tetra-Sodium Pyrophosphate 10-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98%

	pH of 5% solution: 9.5-10.7 Insoluble matter in H2O: 0.025 % Chloride (Cl): 0.01% Sulfate (SO4): 0.05% Nitrate (NO3): 0.01% As: 0.001 % Ca: 0.05 % Cu: 0.003 % Fe: 0.003 % Mg: 0.05 % Ni: 0.003 % Pb: 0.003 %
STORAGE:	Room Temperature.
MASTER NAME:	tetra-Sodium Pyrophosphate 10-hydrate
SYNONYMS LONG TEXT:	Sodium Pyrophosphate, tetra-Sodium Diphosphate, TSPP
EINECS:	231-767-1
CS:	2835 39 00 00

Sodium Carbonate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Acidim.) after drying at 285°C: 99.5 - 100.5 %

CODE	**131648**
CAS	**497-19-8**
MOLECULAR FORMULA	**Na_2CO_3**
MOLAR MASS	**105.99 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131648.1210	PACKAGING SIZE 500 g
	CODE 131648.1211	PACKAGING SIZE 1000 g
	CODE 131648.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	851 °C
SOLUBILITY:	water 210 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131648
PRODUCT NAME:	Sodium Carbonate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Acidim.) after drying at 285°C: 99.5 - 100.5 % **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Reducing substances of I2: 0.005 % Loss on drying at 285°C: 1.0% Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% Sulfur compounds (as SO4): 0.003 % Phosphate (PO4): 0.001 % Silicate (as SiO2): 0.005% Heavy Metals (ICP-OES): 0.0005 % Al: 0.001 % As: 0.0001 % Ca: 0.005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.005 % Mg: 0.002 % Ni: 0.0005 % Pb: 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:	Sodium Carbonate anhydrous
EINECS:	207-838-8
CS:	2836 20 00 00
INDEX NR.:	011-005-00-2

Ammonium Acetate (Reag. USP, Ph. Eur.) for analysis, ACS

Acetic Acid Ammonium salt

Minimum assay (Acidim.): 98%

CODE	**131114**
CAS	**631-61-8**
MOLECULAR FORMULA	**CH_3COONH_4**
MOLAR MASS	**77.08 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131114.1210	PACKAGING SIZE 500 g	
	CODE 131114.1211	PACKAGING SIZE 1000 g	
	CODE 131114.0914	PACKAGING SIZE 5 kg	
	CODE 131114.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	114 °C
SOLUBILITY:	water 1,480 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131114
PRODUCT NAME:	Ammonium Acetate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Acidim.): 98% pH of 5% solution: 6.7-7.3 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Reducing substance to KMnO4: passes test Residue on ignition (as SO4): 0.01 % Chloride (Cl): 0.0005% Sulfate (SO4): 0.001% Nitrate (NO3): 0.001% Water (H2O): 2.0 % Heavy metals (as Pb): 0.0005% Al: 0.0005 % Ca: 0.001 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.001 % Ni: 0.0005 % Pb: 0.0005 %

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Ammonium Acetate
SYNONYMS LONG TEXT:	Acetic Acid Ammonium salt
EINECS:	211-162-9
CS:	2915 29 00 90

Aluminium Sulfate 18-hydrate pure

Assay (Al2(SO4)3) (Compl.): 51.0-59.0 %

CODE	**141101**
CAS	**7784-31-8**
MOLECULAR FORMULA	**$Al_2(SO_4)_3.18H_2O$**
MOLAR MASS	**666.42 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141101.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	90 °C
SOLUBILITY:	water 600 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141101
PRODUCT NAME:	Aluminium Sulfate 18-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Al2(SO4)3) (Compl.): 51.0-59.0 % pH sol. 2%: 2.5-4.0

Maximum limit of impurities

	Chloride (Cl): 0.05% Ammonium (NH4): 0.05% Alkali and alkaline-earth salts: 0.4% Heavy metals (as Pb): 0.004% As: 0.0003 % Cu: 0.002 % Fe: 0.01 % Ni: 0.002 % Pb: 0.002 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H318
P PHRASES:	P280 P305+P351+P338 P310
MASTER NAME:	Aluminium Sulphate 18-hydrate
EINECS:	233-135-0
CS:	2833 22 00 00

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	**$AlK(SO_4)_2.12H_2O$**
MOLAR MASS	**474.39 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141103.0416	PACKAGING SIZE 25 kg

ⓘ 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 Potassium Sulfate 12-hydrate for analysis, ACS

Potassium Alum, Potassium Aluminium Sulphate

Assay (Compl.): 98.0-102.0%

CODE	**131103**
CAS	**7784-24-9**
MOLECULAR FORMULA	**$AlK(SO_4)_2.12H_2O$**
MOLAR MASS	**474.39 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 131103.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	92 °C
SOLUBILITY:	water 110 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131103
PRODUCT NAME:	Aluminium Potassium Sulfate 12-hydrate for analysis, ACS
QUALITY NAME:	for analysis, ACS

SPECIFICATIONS:	Assay (Compl.): 98.0-102.0% pH of 5% solution: ≥3.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Ammonium (NH4): 0.005% Phosphate (PO4): 0.0005 % Heavy metals (as Pb): 0.001% As: 0.0002 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % Mn: 0.0005 % Na: 0.02 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
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	**$AlCl_3.6H_2O$**
MOLAR MASS	**241.45 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141097.1210	PACKAGING SIZE 500 g
	CODE 141097.0416	PACKAGING SIZE 25 kg

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

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_4Cl**
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).

ⓘ Technical data

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

Ammonium Chloride (Reag. USP) for analysis, ACS, ISO

Minimum assay (Arg.): 99.5%

CODE	**131121**
CAS	**12125-02-9**
MOLECULAR FORMULA	**NH_4Cl**
MOLAR MASS	**53.49 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131121.1210	PACKAGING SIZE 500 g	
	CODE 131121.1211	PACKAGING SIZE 1000 g	
	CODE 131121.0914	PACKAGING SIZE 5 kg	Product active until stock lasts.
	CODE 131121.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 131121.1211 (please check specifications).

Technical data

BOILING POINT:	520 °C

SOLUBILITY:	water 370 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131121
PRODUCT NAME:	Ammonium Chloride (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Arg.): 99.5% pH of 5% solution: 4.5-5.5 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Residue on ignition (as SO4): 0.01 % Phosphate (PO4): 0.0002 % Sulfate (SO4): 0.002% Iodide (I): 0.001% Nitrate (NO3): 0.001% Pyridine and homologues: 0.001% Heavy Metals (ICP-OES): 0.0005 % As: 0.00005 % Ca: 0.0005 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0001 % Fe: 0.0002 % K: 0.005 % Mg: 0.0005 % Na: 0.005 % Ni: 0.0005 % Pb: 0.0001 % Zn: 0.0002 %

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

Ammonium Cerium(IV) Sulfate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Cerium(IV) and Ammonium Sulphate, tetra-Ammoniumtetra-Sulphatecerate (IV)

Minimum assay: 99.0%

CODE	**132748**
CAS	**10378-47-9**
MOLECULAR FORMULA	**$(NH_4)_4Ce(SO_4)_4.2H_2O$**
MOLAR MASS	**632.55 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 132748.1209	PACKAGING SIZE 250 g
	CODE 132748.1214	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	in water at 20°C:breaks down.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	132748
PRODUCT NAME:	Ammonium Cerium(IV) Sulfate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay: 99.0% Maximum limit of impurities Insoluble matter in H_2SO_4: 0.02 % Chloride (Cl): 0.01% Phosphate (PO_4): 0.01 % Heavy metals (as Pb): 0.005% Cu: 0.003 % Fe: 0.005 % K: 0.01 % Na: 0.01 % Ni: 0.003 % Pb: 0.003 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Cerium(IV) Sulphate 2-hydrate
SYNONYMS LONG TEXT:	Cerium(IV) and Ammonium Sulphate, tetra- Ammoniumtetra-Sulphatecerate (IV)
EINECS:	231-567-4
CS:	28469000

Ammonium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS

Minimum assay (as NH3) (Acidim.): 30.0%

CODE **131119**

CAS **10361-29-2**

MOLECULAR FORMULA

~$(NH_4)_3(CO_3)_2H+NH_2COONH_4$

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131119.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	58 °C
SOLUBILITY:	water 1,000 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131119
PRODUCT NAME:	Ammonium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (as NH3) (Acidim.): 30.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Non-volatile matter: 0.01 %
Chloride (Cl): 0.0005%
Sulfur compounds (as SO4): 0.002 %
Phosphate (PO4): 0.0005 %
Nitrate (NO3): 0.001%
As: 0.00004 %
Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 5
Au: 5
B: 5
Ba: 5
Be: 5
Bi: 5
Cd: 5
Co: 5
Cr: 5
Cu: 1
Fe: 1
Ga: 5
Ge: 5
In: 5
K: 10
Mg: 10
Mn: 5
Mo: 5
Na: 20
Ni: 5
Pb: 5
Pt: 5
Sb: 5
Se: 5
Si: 10
Sn: 5
Sr: 5
Ti: 5
Tl: 5
V: 5
Zn: 5
Zr: 5

HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Storage below 30°C
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302
P PHRASES:	P264 P270 P301+P312 P330 P501

MASTER NAME:	Ammonium Carbonate
EINECS:	233-786-0
CS:	2836 99 17 80

Ammonium Benzoate pure

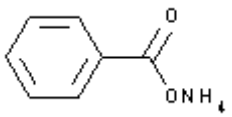
Benzenecarboxylic Acid Ammonium salt, Benzoic Acid Ammonium salt, Phenylformic Acid Ammonium salt

Assay (Acidim.): 98%

CODE	**141115**
CAS	**1863-63-4**
MOLECULAR FORMULA	**$C_6H_5COONH_4$**
MOLAR MASS	**139.16 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141115.0416	PACKAGING SIZE 25 kg



Technical data

MELTING POINT:	198 °C
SOLUBILITY:	water 200 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141115
PRODUCT NAME:	Ammonium Benzoate pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98% Insoluble matter in H2O: 0.01 % Residue on ignition (as SO4): 0.05 % Chloride (Cl): 0.05% Sulfate (SO4): 0.02% Heavy metals (as Pb): 0.002% As: 0.0003 % Cu: 0.002 % Fe: 0.002 % Ni: 0.002 % Pb: 0.002 %

HAZARD PICTOGRAMS	
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302
P PHRASES:	P264 P270 P301+P312 P330 P501

MASTER NAME:	Ammonium Benzoate
SYNONYMS LONG TEXT:	Benzenecarboxylic Acid Ammonium salt, Benzoic Acid Ammonium salt, Phenylformic Acid Ammonium salt
EINECS:	217-468-9
CS:	2916 31 00 90

Ammonium Iron(II) Sulfate 0.1 mol/l (0.1N) volumetric solution

Iron(II) Ammonium Sulphate

CODE	**181369**
CAS	**7783-85-9**
MOLECULAR FORMULA	**$(NH_4)_2Fe(SO_4)_2$**
MOLAR MASS	**284.05 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181369.1611	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.045 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181369
PRODUCT NAME:	Ammonium Iron(II) Sulfate 0.1 mol/l (0.1N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	for determination of COD. Indicator: Ferroin
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate

	Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Iron(II) Sulphate 0,1 mol/l *(0,1N)
SYNONYMS LONG TEXT:	Iron(II) Ammonium Sulphate
EINECS:	233-151-8
CS:	2842 90 80 80

Ammonium Hydrogen di-Fluoride pure

Ammonium Bifluoride

Assay (Acidim.): 98%

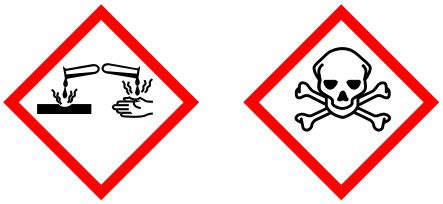
CODE	**141911**
CAS	**1341-49-7**
MOLECULAR FORMULA	**$(NH_4)HF_2$**
MOLAR MASS	**57.04 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141911.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	125 °C
SOLUBILITY:	water 630 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141911
PRODUCT NAME:	Ammonium Hydrogen di-Fluoride pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98% pH sol.5%: 4.0-6.5 Insoluble matter in H2O: 0.02 %

	Chloride (Cl): 0.003% Sulfate (SO4): 0.05% Water (H2O): 1 % Heavy metals (as Pb): 0.002% Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
UN:	1727
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS05
H PHRASES:	H301 H314
P PHRASES:	P260 P264 P270 P280 P301+P310 P501 P301+P330+P331 P303+P361+P353 P304+P340

	P305+P351+P338 P310 P321 P330 P338 P363 P405
MASTER NAME:	Ammonium Hydrogen di-Fluoride
SYNONYMS LONG TEXT:	Ammonium Bifluoride
EINECS:	215-676-4
CS:	2826 19 90 90
INDEX NR.:	009-009-00-4

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	**$(NH_4)HCO_3$**
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 impurities Insoluble 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 di-Hydrogen Phosphate (Reag. USP, Ph. Eur.) for analysis, ACS

Ammonium Phosphate Monobasic, Primary Ammonium Phosphate

Minimum assay (Acidim.): 99%

CODE	**131126**
CAS	**7722-76-1**
MOLECULAR FORMULA	**$(NH_4)H_2PO_4$**
MOLAR MASS	**115.03 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131126.1211	PACKAGING SIZE 1000 g
	CODE 131126.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	190 °C
SOLUBILITY:	water 370 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131126
PRODUCT NAME:	Ammonium di-Hydrogen Phosphate (Reag. USP,

Ph. Eur.) for analysis, ACS

QUALITY NAME:

for analysis, ACS

SPECIFICATIONS:

Minimum assay (Acidim.): 99%
pH of 5% solution: 3.8-4.4

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Chloride (Cl): 0.0005%
Sulfur compounds (as SO4): 0.005 %
Nitrate (NO3): 0.001%
As: 0.00005 %
Heavy metals (as Pb): 0.0005%

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 5
Au: 5
B: 5
Ba: 5
Be: 5
Ca: 10
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 5
Ga: 5
Ge: 5
Hg: 5
In: 5
K: 50
Li: 5
Mg: 5
Mn: 5
Mo: 5
Na: 50
Ni: 5
Pb: 5
Pt: 5
Sb: 5
Se: 5
Si: 5
Sn: 5

	Sr: 5 Ti: 5 Tl: 5 V: 5 Zn: 5 Zr: 5
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium di-Hydrogen Phosphate
SYNONYMS LONG TEXT:	Ammonium Phosphate Monobasic, Primary Ammonium Phosphate
EINECS:	231-764-5
CS:	3105 40 00 00

Ammonium di-Hydrogen Phosphate pure

Ammonium Phosphate Monobasic, Primary Ammonium Phosphate

Assay (Acidim.): 96.0-102.0%

CODE	**141126**
CAS	**7722-76-1**
MOLECULAR FORMULA	**$(NH_4)H_2PO_4$**
MOLAR MASS	**115.03 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141126.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

ⓘ Technical data

MELTING POINT:	190 °C
SOLUBILITY:	water 370 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141126
PRODUCT NAME:	Ammonium di-Hydrogen Phosphate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 96.0-102.0% pH of 5% solution: 3.8-4.4 Insoluble matter in H2O: 0.02 %

	Chloride (Cl): 0.003% Nitrate (NO3): 0.005% Heavy metals (as Pb): 0.001% As: 0.0001 % Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium di-Hydrogen Phosphate
SYNONYMS LONG TEXT:	Ammonium Phosphate Monobasic, Primary Ammonium Phosphate
EINECS:	231-764-5
CS:	3105 40 00 00

Ammonium meta-Vanadate (Reag. USP, Ph. Eur.) for analysis, ACS

Ammonium Metavanadate, Ammonium mono-Vanadate

Minimum assay (Redox.): 99.0%

CODE	**132352**
CAS	**7803-55-6**
MOLECULAR FORMULA	**NH_4VO_3**
MOLAR MASS	**116.98 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 132352.1209	PACKAGING SIZE 250 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

SOLUBILITY:	water 6.2 g/l at 15 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	132352
PRODUCT NAME:	Ammonium meta-Vanadate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Redox.): 99.0%

	Maximum limit of impurities Insoluble matter in NH4OH: 0.01 % Chloride (Cl): 0.005% Phosphate (PO4): 0.005 % Sulfate (SO4): 0.01% Carbonate (CO3): 0.3% Cu: 0.002 % Fe: 0.002 % Ni: 0.002 % Pb: 0.002 %
HAZARD PICTOGRAMS	
UN:	2859
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06
H PHRASES:	H301 H319 H335 H315
P PHRASES:	P261 P264 P270 P271 P280

	P501 P301+P310 P302+P352 P304+P340 P305+P351+P338 P312 P321 P330 P332+P313 P337+P313 P362 P403+P233 P405
MASTER NAME:	Ammonium meta-Vanadate
SYNONYMS LONG TEXT:	Ammonium Metavanadate, Ammonium mono-Vanadate
EINECS:	232-261-3
CS:	2841 90 85 90

Ammonium Iron(III) Sulfate 12-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Iron Alum, Iron(III) Ammonium Sulphate

Assay (Iodom.): 98.5-102.0%

CODE	**131365**
CAS	**7783-83-7**
MOLECULAR FORMULA	**$NH_4Fe(SO_4)_2.12H_2O$**
MOLAR MASS	**482.19 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131365.1210	PACKAGING SIZE 500 g
	CODE 131365.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	39 °C
SOLUBILITY:	water 1,240 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131365

PRODUCT NAME:	Ammonium Iron(III) Sulfate 12-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Iodom.): 98.5-102.0% Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Non-precipitated by NH4OH: 0.05 % Fe(II): 0.001% Nitrate (NO3): 0.01% Ca: 0.01 % Cu: 0.002 % K: 0.005 % Mg: 0.001 % Mn: 0.005 % Na: 0.01 % Pb: 0.001 % Zn: 0.003 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Iron(III) Sulphate 12-hydrate
SYNONYMS LONG TEXT:	Iron Alum, Iron(III) Ammonium Sulphate
EINECS:	233-382-4
CS:	2833 30 00 00

Ammonium Iron(II) Sulfate 6-hydrate (Reag. Ph. Eur.) for analysis, ISO

Iron(II) Ammonium Sulphate, Mohr's Salt

Assay (Perm.): 99.0-101.0%

CODE	**131368**
CAS	**7783-85-9**
MOLECULAR FORMULA	**$(NH_4)_2Fe(SO_4)_2.6H_2O$**
MOLAR MASS	**392.14 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131368.1210	PACKAGING SIZE 500 g	
	CODE 131368.1211	PACKAGING SIZE 1000 g	
	CODE 131368.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	100 °C
SOLUBILITY:	water 269 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131368
PRODUCT NAME:	Ammonium Iron(II) Sulfate 6-hydrate (Reag. Ph. Eur.) for analysis, ISO
QUALITY NAME:	for analysis, ISO
SPECIFICATIONS:	Assay (Perm.): 99.0-101.0% pH of 5% solution: 3-5 Maximum limit of impurities Insoluble matter in H2SO4: 0.005 % Chloride (Cl): 0.001% Phosphate (PO4): 0.002 % Non-precipitated by NH4OH: 0.1% Fe(III): 0.01% Metals by ICP [in mg/Kg (ppm)] Al: 50 Ca: 100 Cd: 10 Co: 50 Cu: 10 Hg: 10 K: 100 Mg: 50 Mn: 200 Na: 100 Pb: 10 Sr: 10 Zn: 30
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Iron(II) Sulphate 6-hydrate
SYNONYMS LONG TEXT:	Iron(II) Ammonium Sulphate, Mohr's Salt
EINECS:	

	233-151-8
CS:	2842 90 80 80

Ammonium Iron(II) Sulfate 6-hydrate pure

Iron(II) Ammonium Sulphate, Mohr's Salt

Assay (Perm.): 98-101 %

CODE	**141368**
CAS	**7783-85-9**
MOLECULAR FORMULA	**$(NH_4)_2Fe(SO_4)_2.6H_2O$**
MOLAR MASS	**392.14 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141368.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	100 °C
SOLUBILITY:	water 269 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141368
PRODUCT NAME:	Ammonium Iron(II) Sulfate 6-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Perm.): 98-101 % pH of 5% solution: ≥3.5 Insoluble matter in H2SO4: 0.01 %

	Chloride (Cl): 0.005% Phosphate (PO4): 0.005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Iron(II) Sulphate 6-hydrate
SYNONYMS LONG TEXT:	Iron(II) Ammonium Sulphate, Mohr's Salt
EINECS:	233-151-8
CS:	2842 90 80 80

Ammonium Iron(II) Sulfate 0.12 mol/l (0.12N) volumetric solution

Iron(II) Ammonium Sulphate, Mohr's Salt

CODE	**185227**
CAS	**7783-85-9**
MOLECULAR FORMULA	**$(NH_4)_2Fe(SO_4)_2.6H_2O$**
MOLAR MASS	**392.14 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 185227.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.

ⓘ Technical data

DENSITY:	1.055 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	185227
PRODUCT NAME:	Ammonium Iron(II) Sulfate 0.12 mol/l (0.12N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	for determination of COD according to NFT 90-101/ISO 6060:1989/UNE 77-004-02. Indicator: Ferroin

SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Iron(II) Sulphate 0,12 mol/l *(0,12N)
SYNONYMS LONG TEXT:	Iron(II) Ammonium Sulphate, Mohr's Salt
EINECS:	233-151-8
CS:	2833 29 80 80

Ammonium Peroxodisulfate (APS) for molecular biology

Assay (titr.): min. 98 %

CODE	**A2941**
CAS	**7727-54-0**
MOLECULAR FORMULA	**$(NH_4)_2S_2O_8$**
MOLAR MASS	**228.20 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A2941,0100	PACKAGING SIZE 100 g	Product active until stock lasts.

Technical data

SOLUBILITY:	582 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2941
PRODUCT NAME:	Ammonium Peroxodisulfate (APS) for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 98 % Residue on ignition: max. 0.05 % pH (5 %; H_2O; 20°C): max. 4.0 Chlorate: max. 0.001 %

	Chloride: max. 0.001 % Fe: max. 0.001 % Mn: max. 0.00005 % Pb: max. 0.005 %
HAZARD PICTOGRAMS	
UN:	1444
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07 GHS08
H PHRASES:	H272 H302 H315 H317 H319 H334 H335
P PHRASES:	P210 P280 P305+P351+P338 P342+P311 P405 P501

EINECS:	231-786-5
CS:	28334000
INDEX NR.:	016-060-00-6

Ammonium Peroxodisulphate (APS) (Reag. USP, Ph. Eur.) for analysis, ACS, BioChemica

Ammonium Persulphate

Minimum assay: 98.0 %*

CODE	**131138**
CAS	**7727-54-0**
MOLECULAR FORMULA	**$(NH_4)_2S_2O_8$**
MOLAR MASS	**228.20 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131138.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131138.1211	PACKAGING SIZE 1000 g	
	CODE 131138.0416	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:	120 °C
SOLUBILITY:	water 582 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131138
PRODUCT NAME:	Ammonium Peroxodisulphate (APS) (Reag. USP, Ph. Eur.) for analysis, ACS, BioChemica
QUALITY NAME:	for analysis, ACS, BioChemica
SPECIFICATIONS:	Minimum assay: 98.0 %* pH of 5% solution: < 4.0 Maximum limit of impurities Acidity: 0.04 meq/g Insoluble matter in H2O: 0.005 % Residue on ignition (as SO4): 0.05 % Chloride and Chlorate (as Cl): 0.001% Heavy metals (as Pb): 0.005% Ca: 0,01 % Cd: 0,0005 % Co: 0,0005 % Cr: 0,0005 % Cu: 0,0005 % Fe: 0,001 % K: 0,005 % Mg: 0,005 % Mn: 0,00005 % Na: 0,01 % Ni: 0,0005 % Pb: 0,0005 % Zn: 0,0005 % * At the moment of the batch analysis.
HAZARD PICTOGRAMS	
UN:	1444
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 GHS07 GHS08
H PHRASES:	H272 H302 H319 H335 H315 H334 H317
P PHRASES:	P210 P220 P221 P261 P264 P270 P271 P272 P280 P285 P301+P312 P302+P352 P304+P340 P304+P341 P305+P351+P338 P312 P321 P330 P332+P313 P333+P313 P337+P313

	P342+P311 P362 P363 P370+P378 P403+P233 P405 P501
MASTER NAME:	Ammonium Peroxodisulphate
SYNONYMS LONG TEXT:	Ammonium Persulphate
EINECS:	231-786-5
CS:	2833 40 00 00

Ammonium Peroxodisulfate (APS) *BioChemica*

Assay (titr.): min. 98 %

CODE	**A1142**
CAS	**7727-54-0**
MOLECULAR FORMULA	**$(NH_4)_2S_2O_8$**
MOLAR MASS	**228.20 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A1142,0250	PACKAGING SIZE 250 g	Product active until stock lasts.

Technical data

SOLUBILITY:	582 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1142
PRODUCT NAME:	Ammonium Peroxodisulfate (APS) *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 98 % Residue on ignition: max. 0.05 % pH (5 %; H_2O; 20°C): max. 4.0 Chlorate: max. 0.001 % Chloride: max. 0.001 % Fe: max. 0.001 %

	Mn: max. 0.00005 % Pb: max. 0.005 %
HAZARD PICTOGRAMS	
UN:	1444
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07 GHS08
H PHRASES:	H272 H302 H315 H317 H319 H334 H335
P PHRASES:	P210 P280 P305+P351+P338 P342+P311 P405 P501
EINECS:	231-786-5

CS:	28334000
INDEX NR.:	016-060-00-6

Ammonium Molybdate 4-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica

Ammonium Heptamolybdate, Ammonium Molybdat(VI)

Minimum assay (Compl.): 99.0%

CODE	**131134**
CAS	**12054-85-2**
MOLECULAR FORMULA	**$(NH_4)_6\ Mo_7O_{24}.4H_2O$**
MOLAR MASS	**1,235.86 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131134.1208	PACKAGING SIZE 100 g
	CODE 131134.1209	PACKAGING SIZE 250 g
	CODE 131134.1211	PACKAGING SIZE 1000 g

Technical data

SOLUBILITY:	water 400 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131134
PRODUCT NAME:	Ammonium Molybdate 4-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica
QUALITY NAME:	for analysis, ACS, ISO, BioChemica
SPECIFICATIONS:	Minimum assay (Compl.): 99.0% Assay (as MoO3) (Compl.): 81.0-83.0 % pH sol. 0.05 mol/l: 4,0 - 5,5 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.002% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.02% Arsenates, phosphates and silicates (as SiO2): 0.001 % Nitrate (NO3): 0.003% Heavy Metals (ICP-OES): 0.001 % Ca: 0,005 % Cd: 0,0005 % Co: 0,0005 % Cu: 0,0005 % Fe: 0,0005 % K: 0,002 % Mg: 0,005 % Mn: 0,0005 % Na: 0,005 % Ni: 0,0005 % Pb: 0,0005 % Zn: 0,0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Molybdate 4-hydrate
SYNONYMS LONG TEXT:	Ammonium Heptamolybdate, Ammonium Molybdat(VI)

EINECS:	234-722-4
CS:	2841 70 00 90

Ammonium Molybdate 4-hydrate *BioChemica*

Assay (titr.): min. 99 %

CODE	**A2246**
CAS	**12054-85-2**
MOLECULAR FORMULA	**$(NH_4)_6Mo_7O_{24} \cdot 4H_2O$**
MOLAR MASS	**1235.86 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A2246,0500	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

SOLUBILITY:	206.5 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2246
PRODUCT NAME:	Ammonium Molybdate 4-hydrate *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % pH (0.05 M; H_2O; 20°C): 4.0 - 5.5 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Chloride: max. 0.001 % Nitrate: max. 0.002 %

	Phosphate: max. 0.001 % Sulfate: max. 0.005 % Fe: max. 0.001 %
WGK:	1
STORAGE:	RT
EINECS:	234-722-4
CS:	28417000

Ammonium Sulfide solution 20% w/w pure

Ammonium Sulphydrate

Assay (Iodom.): 20%

CODE	**143299**
CAS	**12135-76-1**
MOLECULAR FORMULA	**$(NH_4)_2S$**
MOLAR MASS	**68.14 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 143299.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

BOILING POINT:	40 °C
DENSITY:	1.000 kg/l
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	143299
PRODUCT NAME:	Ammonium Sulfide solution 20% w/w pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Iodom.): 20% Residue on ignition (as SO4): 0.05 % Chloride (Cl): 0.05% Ca: 0.003 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.001 % Mg: 0.0005 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
HAZARD PICTOGRAMS	
UN:	2683
CLASS/PG:	8(3)(6.1)/II
ADR:	8(3)(6.1)/II
IMDG:	8(3)(6.1)/II
IATA:	8(3)(6.1)/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	EUH031 H314
P PHRASES:	P260 P264 P280

	P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405 P501
MASTER NAME:	Ammonium Sulphide solution 20% w/w
SYNONYMS LONG TEXT:	Ammonium Sulphydrate
EINECS:	235-223-4
CS:	2830 90 85 00

Ammonium Sulfate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica

Minimum assay (Acidim.): 99.5%

CODE	**131140**
CAS	**7783-20-2**
MOLECULAR FORMULA	**$(NH_4)_2SO_4$**
MOLAR MASS	**132.14 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131140.1211	PACKAGING SIZE 1000 g
	CODE 131140.1214	PACKAGING SIZE 5 kg
	CODE 131140.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	280 °C
SOLUBILITY:	water 760 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131140
PRODUCT NAME:	Ammonium Sulfate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica
QUALITY NAME:	for analysis, ACS, ISO, BioChemica
SPECIFICATIONS:	Minimum assay (Acidim.): 99.5% pH of 5% solution: 5.0-6.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 100°C: 0.1% Residue on ignition (as SO4): 0.005 % Chloride (Cl): 0.0005% Phosphate (PO4): 0.0005 % Absorbance UV (1 cm cell; Ref.:Water) ABS at 280 nm 0,1 M sol in water: 0.4 ABS at 260 nm 0,1 M sol in water: 0.4 Nitrate (NO3): 0.001% As: 0.00002 % Heavy Metals (ICP-OES): 0.0005 % Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Au: 5 B: 5 Be: 5 Bi: 5 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 5 Ga: 5 Ge: 5 Hg: 5 In: 5 Mg: 5 Mn: 5 Mo: 5 Na: 20 Ni: 5

	Pb: 5 Pt: 5 Sb: 5 Si: 5 Sn: 5 Sr: 5 Ti: 5 Tl: 5 V: 5 Zn: 2 Zr: 5
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Sulphate
EINECS:	231-984-1
CS:	3102 21 00 00

Ammonium Sulfate pure

Assay (Acidim.): 99 %

CODE	**141140**
CAS	**7783-20-2**
MOLECULAR FORMULA	**$(NH_4)_2SO_4$**
MOLAR MASS	**132.14 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141140.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 141140.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	280 °C
SOLUBILITY:	water 760 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141140
PRODUCT NAME:	Ammonium Sulfate pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Acidim.): 99 % pH of 5% solution: 5.0 - 6.0 Residue on ignition (as SO4): 0.25 % Chloride (Cl): 0.002 % Nitrate (NO3): 0.002 % Heavy metals (as Pb): 0.001% As: 0.0005 % Ca: 0.002 % Cu: 0.002 % Fe: 0.001 % K: 0.002 % Na: 0.002 % Ni: 0.002 % Pb: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Sulphate
EINECS:	231-984-1
CS:	3102 21 00 00

Ammonium Sulfate for molecular biology

Assay (titr.): min. 99.5 %

CODE	**A3485**
CAS	**7783-20-2**
MOLECULAR FORMULA	**$(NH_4)_2SO_4$**
MOLAR MASS	**132.14 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A3485,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.
	CODE A3485,5000	PACKAGING SIZE 5 kg	

Technical data

SOLUBILITY:	760 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3485
PRODUCT NAME:	Ammonium Sulfate for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99.5 % pH (5 %; H_2O; 20°C): 5.0 - 6.0 Chloride: max. 0.001 %

	Nitrate: max. 0.001 % Phosphate: max. 0.0005 % As: max. 0.0001 % Ca: max. 0.001 % Cu: max. 0.0005 % Fe: max. 0.0005 % K: max. 0.002 % Mg: max. 0.0005 % Na: max. 0.002 % Pb: max. 0.0005 % Zn: max. 0.0002 %
WGK:	1
STORAGE:	RT
EINECS:	231-984-1
CS:	31022100

Ammonium Sulfate *BioChemica*

Assay (titr.): min. 99.5 %

CODE	**A1032**
CAS	**7783-20-2**
MOLECULAR FORMULA	**$(NH_4)_2SO_4$**
MOLAR MASS	**132.14 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A1032,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.
	CODE A1032,5000	PACKAGING SIZE 5 kg	Product active until stock lasts.

Technical data

SOLUBILITY:	760 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1032
PRODUCT NAME:	Ammonium Sulfate *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99.5 % pH (5 %; H_2O; 20°C): 5.0 - 6.0 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test

	Chloride: max. 0.001 % Nitrate: max. 0.001 % Phosphate: max. 0.0005 % A (1 cm/1 M in H_2O) 260 nm: max. 0.4 280 nm: max. 0.4
WGK:	1
STORAGE:	RT
EINECS:	231-984-1
CS:	31022100

Boron Trifluoride 12% in methanol for synthesis

Minimum assay (Acidim.): 12%

CODE	**15A734**
CAS	**16045-88-8**
MOLECULAR FORMULA	**CH_4BF_3O**
MOLAR MASS	**99.85 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 15A734.1610	PACKAGING SIZE 500 ml

Technical data

DENSITY:	0.891 kg/l
SOLUBILITY:	Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	15A734
PRODUCT NAME:	Boron Trifluoride 12% in methanol for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Acidim.): 12%

HAZARD PICTOGRAMS	
UN:	1992
CLASS/PG:	3(6.1)/II
ADR:	3(6.1)/II
IMDG:	3(6.1)/II
IATA:	3(6.1)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225 H331 H311 H301 H370
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P260 P261 P264 P270 P271 P280

	P301+P310 P302+P352 P303+P361+P353 P304+P340 P307+P311 P311 P312 P321 P322 P330 P361 P363 P370+P378 P403+P233 P403+P235 P405
MASTER NAME:	Boron Trifluoride-Methanol (complex)
EINECS:	206-766-4
CS:	2942 00 00 00

Benzoyl Chloride, 99% for synthesis

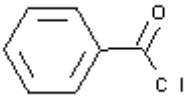
Benzenecarbonyl Chloride

Minimum assay (Acidim.): 99%

CODE	**162720**
CAS	**98-88-4**
MOLECULAR FORMULA	**C_6H_5COCl**
MOLAR MASS	**140.57 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 162720.1611	PACKAGING SIZE 1000 ml
	CODE 162720.0816	PACKAGING SIZE 25 l

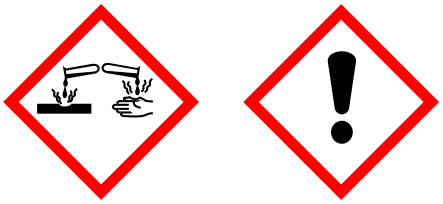


Technical data

MELTING POINT:	-1 °C
BOILING POINT:	~ 197 °C
DENSITY:	1.212 kg/l
SOLUBILITY:	

	Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene
REFRACTIVE INDEX:	20/D 1.5537
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	162720
PRODUCT NAME:	Benzoyl Chloride, 99% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Acidim.): 99% Identity: IR passes test Density 20/4: 1.210 - 1.214

HAZARD PICTOGRAMS	
UN:	1736
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:	H332 H312

	H302 H314 H317
P PHRASES:	P260 P261 P264 P270 P271 P272 P280 P301+P312 P301+P330+P331 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P322 P330 P333+P313 P338 P363 P405 P501

MASTER NAME:	Benzoyl Chloride
SYNONYMS LONG TEXT:	Benzenecarbonyl Chloride
EINECS:	202-710-8
CS:	2916 32 00 00
INDEX NR.:	607-012-00-0

Barium Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Minimum assay (Compl.): 99.0%

CODE	131182
CAS	10326-27-9
MOLECULAR FORMULA	$BaCl_2.2H_2O$
MOLAR MASS	244.28 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131182.1210	PACKAGING SIZE 500 g	
	CODE 131182.1211	PACKAGING SIZE 1000 g	
	CODE 131182.1214	PACKAGING SIZE 5 kg	
	CODE 131182.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 131182.1214 (please check specifications).

Technical data

MELTING POINT:	962 °C

SOLUBILITY:	water 357 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131182
PRODUCT NAME:	Barium Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Compl.): 99.0% pH of 5% solution: 5.2-8.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 150°C: 14.0-16.0 % Nitrogen compounds (as N): 0.002% Oxidizing substances: 0.005% Heavy Metals (ICP-OES): 0.0005 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0005 % Fe: 0.0002 % K: 0.0025 % Mg: 0.0005 % Mn: 0.0005 % Na: 0.005 % Ni: 0.0005 % Pb: 0.0005 % Sr: 0.01 % Zn: 0.0005 %

HAZARD PICTOGRAMS	
UN:	1564

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:	H332 H301 H319
P PHRASES:	P261 P264 P270 P271 P301+P310 P501 P304+P340 P312 P321 P330 P405

MASTER NAME:	Barium Chloride 2-hydrate
EINECS:	233-788-1
CS:	2827 39 85 90
INDEX NR.:	056-004-00-8

Ammonium Thiocyanate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Ammonium Rhodanide, Ammonium Sulphocyanide

Minimum assay (Arg.): 99.0%

CODE	**131143**
CAS	**1762-95-4**
MOLECULAR FORMULA	**NH_4SCN**
MOLAR MASS	**76.12 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131143.1210	PACKAGING SIZE 500 g	
	CODE 131143.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 131143.0416	PACKAGING SIZE 25 kg	

ⓘ Technical data

MELTING POINT:	150 °C
SOLUBILITY:	water 1,650 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131143
PRODUCT NAME:	Ammonium Thiocyanate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Arg.): 99.0% pH of 5% solution: 4.5-6.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Residue on ignition (as SO4): 0.025 % Chloride (Cl): 0.005% Sulfate (SO4): 0.005% Sulfide (S): 0.001 % Iodine-reducing substances: 0.002 meq/g Heavy Metals (ICP-OES): 0.0005 % Cu: 0,0005 % Fe: 0,0001 % Ni: 0,0005 % Pb: 0,0005 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H332 H312 H302 EUH032 H412
P PHRASES:	

	P261 P264 P270 P271 P273 P501 P301+P312 P302+P352 P304+P340 P312 P322 P330 P363
MASTER NAME:	Ammonium Thiocyanate
SYNONYMS LONG TEXT:	Ammonium Rhodanide, Ammonium Sulphocyanide
EINECS:	217-175-6
CS:	2842 90 80 80
INDEX NR.:	615-004-00-3

Ammonium Thiocyanate 0.1 mol/l (0.1N) (Reag. Ph.Eur.) volumetric solution

Ammonium Rhodanide, Ammonium Sulphocyanide

CODE	**181144**
CAS	**1762-95-4**
MOLECULAR FORMULA	**NH_4SCN**
MOLAR MASS	**76.12 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181144.1211	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.001 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181144
PRODUCT NAME:	Ammonium Thiocyanate 0.1 mol/l (0.1N) (Reag. Ph.Eur.) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Silver Nitrate 0.1M Indicator: Ammoniacal Iron Alum
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001

	Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ammonium Thiocyanate 0,1 mol/l *(0,1N)
SYNONYMS LONG TEXT:	Ammonium Rhodanide, Ammonium Sulphocyanide
EINECS:	217-175-6
CS:	2842 90 80 80

Calcium Chloride 2-hydrate flakes (E-509, F.C.C.) food grade

Assay (as CaCl2.2H2O): 99.0-107.0%

CODE	**204954**
CAS	**10035-04-8**
MOLECULAR FORMULA	**$CaCl_2.2H_2O$**
MOLAR MASS	**147.02 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 204954.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

ⓘ Technical data

MELTING POINT:	175 °C
SOLUBILITY:	water 1,000 g/l at 1 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	204954
PRODUCT NAME:	Calcium Chloride 2-hydrate flakes (E-509, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as CaCl2.2H2O): 99.0-107.0%

	Insoluble substances in acid (salt anhydrous) , not more than: 0.02 % Fluoride, not more than: 0.004% Magnesium and alkali salts, not more than: 4.0% Arsenic (as As), not more than: 3 ppm Mercury, not more than: 1 ppm Lead, not more than: 2 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
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 *flakes
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 141212.1211	PACKAGING SIZE 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

Calcium Carbonate precipitated for analysis

Minimum assay (Compl.) (a.d.s.): 99.0%

CODE	**121212**
CAS	**471-34-1**
MOLECULAR FORMULA	**$CaCO_3$**
MOLAR MASS	**100.09 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 121212.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	825 °C
SOLUBILITY:	Very slightly soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121212
PRODUCT NAME:	Calcium Carbonate precipitated for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Compl.) (a.d.s.): 99.0%
	Maximum limit of impurities

	Insoluble matter in HCl: 0.005 % Chloride (Cl): 0.001% Ammonium (NH4): 0.01% Phosphate (PO4): 0.005 % Sulfate (SO4): 0.02% Ba: 0.01 % Cu: 0.0005 % Fe: 0.002 % K: 0.02 % Mg: 0.05 % Mn: 0.0005 % Na: 0.3 % Ni: 0.0005 % Sr: 0.05 %
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Calcium Carbonate *precipitated
EINECS:	207-439-9
CS:	2836 50 00 00

Calcium Carbonate precipitated (E-170i, F.C.C.) food grade

Assay (as CaCO3) after drying: 98.0-100.5%

CODE	**201212**
CAS	**471-34-1**
MOLECULAR FORMULA	**$CaCO_3$**
MOLAR MASS	**100.09 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201212.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	825 °C
SOLUBILITY:	Very slightly soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201212
PRODUCT NAME:	Calcium Carbonate precipitated (E-170i, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as CaCO3) after drying: 98.0-100.5% Identity

	Carbonate: passes test Calcium: passes test Appearance: passes test Insoluble substances in acid , not more than: 0.2 % Loss on drying , not more than: 2.0% Antimony, Copper, Chromium, Zinc and Barium each one or together, not more than: 0.01% Fluoride, not more than: 0.005% Magnesium and alkali salts, not more than: 1.0% Arsenic (as As), not more than: 3 ppm Cadmium, not more than: 1 ppm Lead, not more than: 3 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Calcium Carbonate *precipitated
EINECS:	207-439-9
CS:	2836 50 00 00

Calcium Acetate x-hydrate pure

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

CODE	**141211**
CAS	**62-54-4**
MOLECULAR FORMULA	**$Ca(CH_3COO)_2.xH_2O$**
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

Calcium Chloride 6-hydrate for analysis

Minimum assay (Compl.): 98.0%

CODE	**121214**
CAS	**7774-34-7**
MOLECULAR FORMULA	**$CaCl_2.6H_2O$**
MOLAR MASS	**219.09 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 121214.1211	PACKAGING SIZE 1000 g
	CODE 121214.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	30 °C
SOLUBILITY:	water 5,360 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121214
PRODUCT NAME:	Calcium Chloride 6-hydrate for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:	Minimum assay (Compl.): 98.0% pH of 5% solution: 4.5-8.5 **Maximum limit of impurities** Insoluble matter in H2O and precip. by NH4OH: 0.01 % Ammonium (NH4): 0.005% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.01% Oxidizing substances: 0.003% Heavy metals (as Pb): 0.0005% As: 0.0001 % Ba: 0.005 % Cu: 0.0005 % Fe: 0.0025 % Mg: 0.005 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Sr: 0.01 % Zn: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Storage below 20°C
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

MASTER NAME:	Calcium Chloride 6-hydrate
EINECS:	233-140-8
CS:	2827 20 00 00
INDEX NR.:	017-013-00-2

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	**$CaCl_2.2H_2O$**
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 CaCl2.2H2O) (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 (SO4): 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 Chloride 2-hydrate powder (Reag. USP) for analysis, ACS, molecular biology

Assay (complexometr.): 99.5 - 105.0 %

CODE	**131232**
CAS	**10035-04-8**
MOLECULAR FORMULA	**$CaCl_2 \cdot 2H_2O$**
MOLAR MASS	**147.02 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131232.1211	PACKAGING SIZE 1000 g
	CODE 131232.1214	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	1000 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	131232
PRODUCT NAME:	Calcium Chloride 2-hydrate powder (Reag. USP) for analysis, ACS, molecular biology

SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (complexometr.): 99.5 - 105.0 % pH (5 %; H_2O; 25°C): 4.5 - 8.5 Acidity (as HCl): max. 0.005 % Insoluble matter in H_2O: max. 0.01 % Oxidizing subst.: max. 0.003 % Heavy metals (ICP-OES): max. 0.0005 % Ammonium (NH_4): max. 0.005 % Phosphate (PO_4): max. 0.001 % Sulfate (SO_4): max. 0.005 % As: max. 0.0001 % Al: max. 0.001 % Ba: max. 0.005 % Bi: max. 0.0005 % Cd: max. 0.0005 % Co: max. 0.0005 % Cr: max. 0.0005 % Cu: max. 0.0005 % Li: max. 0.0005 % Mn: max. 0.0005 % Mo: max. 0.0005 % Ni: max. 0.0005 % Pb: max. 0.0005 % Tl: max. 0.0005 % Fe: max. 0.001 % K: max. 0.01 % Mg: max. 0.005 % Na: max. 0.02 % Sr: max. 0.01 % Zn: max. 0.001 %
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:	233-140-8
CS:	28272000
INDEX NR.:	017-013-00-2

Calcium Chloride 2-hydrate powder (E-509, F.C.C.) food grade

Assay (as CaCl2.2H2O): 99.0-107.0%

CODE	**201232**
CAS	**10035-04-8**
MOLECULAR FORMULA	**$CaCl_2.2H_2O$**
MOLAR MASS	**147.02 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201232.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	175 °C
SOLUBILITY:	water 1,000 g/l at 1 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201232
PRODUCT NAME:	Calcium Chloride 2-hydrate powder (E-509, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as CaCl2.2H2O): 99.0-107.0% Identity (Calcium): passes test

	(Chloride): passes test Appearance: passes test Insoluble substances in acid (salt anhydrous) , not more than: 0.02 % Fluoride, not more than: 0.004% Magnesium and alkali salts, not more than: 4.0% Arsenic (as As), not more than: 3 ppm Mercury, not more than: 1 ppm Lead, not more than: 2 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
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 Chloride 2-hydrate for molecular biology

Assay (titr.): min. 99.5 %

CODE	**A4689**
CAS	**10035-04-8**
MOLECULAR FORMULA	**$CaCl_2 \cdot 2H_2O$**
MOLAR MASS	**147.02 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A4689,0250	PACKAGING SIZE 250 g	Product active until stock lasts.

Technical data

SOLUBILITY:	1000 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A4689
PRODUCT NAME:	Calcium Chloride 2-hydrate for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99.5 % pH (5 %; H_2O; 25°C): 4.5 - 8.5 Insoluble matter in H_2O: max. 0.01 % Oxidizing subst.: max. 0.003 % Ammonium (NH_4): max. 0.005 %

	Sulfate: max. 0.005 % Phosphate (PO_4): max. 0.001 % Al: max. 0.001 % Cu: max. 0.0005 % As: max. 0.0001 % Fe: max. 0.001 % Pb: max. 0.0005 % Zn: max. 0.001 %
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:	233-140-8
CS:	28272000
INDEX NR.:	017-013-00-2

Cerium(IV) Sulfate 4-hydrate (Reag. USP, Ph. Eur.) for analysis

Minimum assay (as Ce(SO4)4.H2O) (Iodom.): 98%

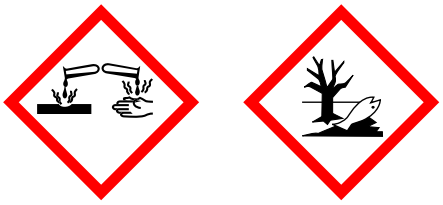
CODE	**121248**
CAS	**10294-42-5**
MOLECULAR FORMULA	**$Ce(SO_4)_2.4H_2O$**
MOLAR MASS	**404.30 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 121248.1208	PACKAGING SIZE 100 g	
	CODE 121248.1209	PACKAGING SIZE 250 g	Product active until stock lasts.
	CODE 121248.1214	PACKAGING SIZE 5 kg	

Technical data

SOLUBILITY:	water 38 g/l at 50 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121248

PRODUCT NAME:	Cerium(IV) Sulfate 4-hydrate (Reag. USP, Ph. Eur.) for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (as Ce(SO4)4.H2O) (Iodom.): 98% Minimum assay (as Ce(SO4)2) (Iodom.): 80.5% Maximum limit of impurities Insoluble matter in H2SO4: 0.005 % Chloride (Cl): 0.001% Phosphate (PO4): 0.01 % Non-precipitated by NH4OH: 0.3% Heavy metals (Reagent Pharmacopoeias): passes test Heavy metals (as Pb): 0.003% Cu: 0,003 % Fe: 0,005 % Ni: 0,003 % Pb: 0,003 %
HAZARD PICTOGRAMS	
UN:	1759
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09

H PHRASES:	H314 H410
P PHRASES:	P260 P280 P305+P351+P338 P273 P301+P330+P331 P501 P303+P361+P353

MASTER NAME:	Cerium(IV) Sulphate 4-hydrate
EINECS:	237-029-5
CS:	2846 90 90 00

Cerium(IV) Sulfate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution

CODE	**181249**
CAS	**10294-42-5**
MOLECULAR FORMULA	**$Ce(SO_4)_2 4H_2O$**
MOLAR MASS	**404.30 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 181249.1612	PACKAGING SIZE 2.5l	Product active until stock lasts.
	CODE 181249.1611	PACKAGING SIZE 1000 ml	

ⓘ Technical data

DENSITY:	1.083 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181249
PRODUCT NAME:	Cerium(IV) Sulfate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Sodium Oxalate

SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
HAZARD PICTOGRAMS	
UN:	3264
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290 H318
P PHRASES:	P305+P351+P338 P332+P313 P280 P362 P406
MASTER NAME:	Cerium(IV) Sulphate 0,1 mol/l *(0,1N)
EINECS:	237-029-5
CS:	2846 10 00 90

Calcium Sulfate 2-hydrate (Reag. USP) for analysis, ACS

Assay (Compl.): 98.0-101.0%

CODE	**131235**
CAS	**10101-41-4**
MOLECULAR FORMULA	**$CaSO_4.2H_2O$**
MOLAR MASS	**172.17 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131235.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

SOLUBILITY:	water 2 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131235
PRODUCT NAME:	Calcium Sulfate 2-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 98.0-101.0%
	Maximum limit of impurities

	Insoluble matter in HCl: 0.01 % Chloride (Cl): 0.002% Carbonate: passes test Nitrate (NO3): 0.002% Heavy metals (as Pb): 0.001% As: 0.00004 % Cu: 0.001 % Fe: 0.001 % K: 0.005 % Mg: 0.02 % Na: 0.02 % Ni: 0.001 % Pb: 0.001 % Sr: 0.05 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Calcium Sulphate 2-hydrate
EINECS:	231-900-3
CS:	2833 29 80 80

Calcium Nitrate 4-hydrate (Reag. USP) for analysis, ACS

Assay (Compl.): 99.0-103.0 %

CODE	131231
CAS	13477-34-4
MOLECULAR FORMULA	$Ca(NO_3)_2.4H_2O$
MOLAR MASS	236.15 g/mol

Packs sizes (3)

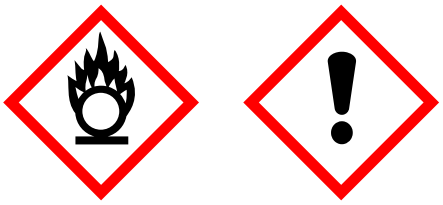
	CODE	PACKAGING SIZE
	CODE 131231.1211	PACKAGING SIZE 1000 g
	CODE 131231.1214	PACKAGING SIZE 5 kg
	CODE 131231.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	42 °C
SOLUBILITY:	water 2,660 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131231
PRODUCT NAME:	Calcium Nitrate 4-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 99.0-103.0 % pH of 5% solution: 5.0-7.0 **Maximum limit of impurities** Acidity (as HNO3): 0.05% Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.005% Ammonium (NH4): 0.005% Sulfate (SO4): 0.002% Nitrite (NO2): 0.001% Heavy Metals (ICP-OES): 0.0005 % **Metals by ICP [in mg/Kg (ppm)]** Al: 10 Ba: 50 Bi: 5 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 5 K: 50 Mg: 100 Mn: 5 Mo: 5 Na: 50 Ni: 5 Pb: 5 Sr: 100 Tl: 5 Zn: 5

HAZARD PICTOGRAMS



UN:	1454
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
STORAGE:	Not recommended in areas with a very hot climate
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07
H PHRASES:	H272 H319 H302
P PHRASES:	P210 P220 P221 P264 P280 P501 P305+P351+P338 P337+P313 P370+P378

MASTER NAME:	Calcium Nitrate 4-hydrate
EINECS:	233-332-1
CS:	2834 29 80 00

Calcium Chloride anhydrous pure

Assay (titr.): min. 96 %

CODE	**141221**
CAS	**10043-52-4**
MOLECULAR FORMULA	**$CaCl_2$**
MOLAR MASS	**110.99 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141221.1210	PACKAGING SIZE 500 g	
	CODE 141221.1211	PACKAGING SIZE 1000 g	
	CODE 141221.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 141221.1211 (please check specifications).

ⓘ Technical data

SOLUBILITY:	740 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	141221
PRODUCT NAME:	

	Calcium Chloride anhydrous pure
SPECIFICATIONS:	Assay (titr.): min. 96 %
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:	233-140-8
CS:	28272000
INDEX NR.:	017-013-00-2

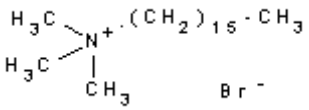
Cetyltrimethylammonium Bromide (CTAB) for molecular biology

Assay (titr.): min. 99 %

CODE	**A6284**
CAS	**57-09-0**
MOLECULAR FORMULA	**$C_{19}H_{42}BrN$**
MOLAR MASS	**364.46 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A6284,0500	PACKAGING SIZE 500 g



Technical data

SOLUBILITY:	3 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A6284
PRODUCT NAME:	Cetyltrimethylammonium Bromide (CTAB) for molecular biology

SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99 % Heavy metals (as Pb): max. 0.001 % Water (K.F.): max. 1 % Fe: max. 0.001 %
HAZARD PICTOGRAMS	
UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07 GHS09
H PHRASES:	H302 H315 H318 H335 H400
P PHRASES:	P261 P305+P351+P338 P310 P321 P330 P362+P364 P405

P501

EINECS:	200-311-3
CS:	29239000

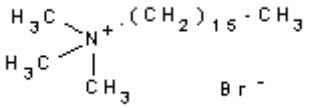
Cetyltrimethylammonium Bromide (CTAB) *BioChemica*

Assay (titr.): min. 99 %

CODE	**A0805**
CAS	**57-09-0**
MOLECULAR FORMULA	**$C_{19}H_{42}BrN$**
MOLAR MASS	**364.46 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A0805,0100	PACKAGING SIZE 100 g
	CODE A0805,0500	PACKAGING SIZE 500 g



Technical data

SOLUBILITY:	3 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid

PRODUCT CODE:	A0805
PRODUCT NAME:	Cetyltrimethylammonium Bromide (CTAB) *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % Heavy metals (as Pb): max. 0.001 % Water (K.F.): max. 1 % Fe: max. 0.001 %

HAZARD PICTOGRAMS

UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07 GHS09
H PHRASES:	H302 H315 H318 H335 H400
P PHRASES:	P261 P305+P351+P338 P310

	P321 P330 P362+P364 P405 P501
EINECS:	200-311-3
CS:	29239000

Cesium Chloride 99.999 % for molecular biology, *BioChemica* zur Analyse

Assay: min. 99.999 %

CODE	**A1098**
CAS	**7647-17-8**
MOLECULAR FORMULA	**CsCl**
MOLAR MASS	**168.36 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1098,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	1800 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1098
PRODUCT NAME:	Cesium Chloride 99.999 % for molecular biology, *BioChemica* zur Analyse
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay: min. 99.999 % Al: max. 0.0001 % Ba: max. 0.001 % Ca: max. 0.0001 %

	Fe: max. 0.0001 % Li: max. 0.0001 % Na: max. 0.0005 % Cr: max. 0.0001 % K: max. 0.0005 % A (1 cm/50 % in water HPLC grade) 260 nm: max. 0.02 280 nm: max. 0.02
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS08
H PHRASES:	H361
P PHRASES:	P201 P202 P280 P308+P313 P405 P501
EINECS:	231-600-2
CS:	28273985

Cesium Chloride for analysis

Minimum assay (Arg.): 99.5%

CODE	**122509**
CAS	**7647-17-8**
MOLECULAR FORMULA	**CsCl**
MOLAR MASS	**168.36 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 122509.1206	PACKAGING SIZE 25 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.
	CODE 122509.1208	PACKAGING SIZE 100 g	Product discontinued. Alternative A1098,0100 (please check specifications).

Technical data

MELTING POINT:	646 °C
BOILING POINT:	1,303 °C
SOLUBILITY:	water 1,800 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid deliquescent
PRODUCT CODE:	122509

PRODUCT NAME:	Cesium Chloride for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Arg.): 99.5% **Maximum limit of impurities** Insoluble matter in H2O: 0.003 % Nitrogen compounds (as N): 0.001% Phosphate (PO4): 0.002 % Sulfate (SO4): 0.002% **Metals by ICP [in mg/Kg (ppm)]** Al: 5 As: 1 B: 2 Ba: 10 Bi: 2 Ca: 10 Cd: 3 Co: 3 Cr: 3 Cu: 3 Fe: 3 K: 20 Li: 0,5 Mg: 5 Mn: 3 Mo: 5 Na: 20 Ni: 3 Pb: 1 Sr: 3 Tl: 5 Zn: 5
HAZARD PICTOGRAMS	
WGK:	1

STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS08
H PHRASES:	H361
P PHRASES:	P201 P202 P280 P308+P313 P405 P501

MASTER NAME:	Cesium Chloride
EINECS:	231-600-2
CS:	2827 39 85 90

Cesium Chloride 99.9 % *BioChemica*

Assay: min. 99.9 %

CODE	**A1126**
CAS	**7647-17-8**
MOLECULAR FORMULA	**CsCl**
MOLAR MASS	**168.36 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A1126,0100	PACKAGING SIZE 100 g	Product active until stock lasts.
	CODE A1126,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.

Technical data

SOLUBILITY:	1800 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1126
PRODUCT NAME:	Cesium Chloride 99.9 % *BioChemica*
SPECIFICATIONS:	Assay: min. 99.9 % Al: max. 0.0005 % Ba: max. 0.001 % Ca: max. 0.0005 %

	Fe: max. 0.0005 % K: max. 0.002 % Li: max. 0.0005 % Na: max. 0.005 % Cr: max. 0.0005 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS08
H PHRASES:	H361
P PHRASES:	P201 P202 P280 P308+P313 P405 P501
EINECS:	231-600-2
CS:	28273985

Cobalt(II) Nitrate 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Compl.): 98.0-102.0%

CODE	**131258**
CAS	**10026-22-9**
MOLECULAR FORMULA	**$Co(NO_3)_2.6H_2O$**
MOLAR MASS	**291.03 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131258.1208	PACKAGING SIZE 100 g	Product active until stock lasts.

Technical data

MELTING POINT:	57 °C
SOLUBILITY:	water 1,330 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131258
PRODUCT NAME:	Cobalt(II) Nitrate 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 98.0-102.0%

	Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.002% Ammonium (NH4): 0.05% Sulfate (SO4): 0.005% Ca: 0.005 % Cu: 0.002 % Fe: 0.001 % K: 0.01 % Mg: 0.005 % Mn: 0.01 % Na: 0.05 % Ni: 0.15 % Pb: 0.002 % Zn: 0.01 %
HAZARD PICTOGRAMS	
UN:	1477
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:	GHS08 GHS09 GHS03
H PHRASES:	H350i H360F H334

	H317 H341 H410 H272
P PHRASES:	P210 P280 P284 P342+P311 P405 P501

MASTER NAME:	Cobalt(II) Nitrate 6-hydrate
EINECS:	233-402-1
CS:	2834 29 20 00

Cobalt(II) Chloride 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Assay (Compl.): 99.0-102.0%

CODE	131257
CAS	7791-13-1
MOLECULAR FORMULA	$CoCl_2.6H_2O$
MOLAR MASS	237.93 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131257.1209	PACKAGING SIZE 250 g
	CODE 131257.1214	PACKAGING SIZE 5 kg

Technical data

MELTING POINT:	86 °C
SOLUBILITY:	water 767 g/l at 0 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131257
PRODUCT NAME:	Cobalt(II) Chloride 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Compl.): 99.0-102.0% **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Ammonium (NH4): 0.005% Sulfate (SO4): 0.005% Non-precipitated substances by (NH4)2S: 0.25 % Nitrate (NO3): 0.01% Ca: 0.005 % Cu: 0.001 % Fe: 0.005 % K: 0.01 % Mg: 0.005 % Mn: 0.01 % Na: 0.05 % Ni: 0.05 % Pb: 0.003 % Zn: 0.002 %
HAZARD PICTOGRAMS	
UN:	3288
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08

H PHRASES:	GHS07 GHS09 H350i H360F H302 H334 H317 H341 H410
P PHRASES:	P201 P202 P261 P264 P270 P272 P273 P280 P281 P285 P301+P312 P302+P352 P304+P341 P308+P313 P321 P330 P333+P313 P342+P311 P363 P391 P405 P501

MASTER NAME:	Cobalt(II) Chloride 6-hydrate
EINECS:	231-589-4
CS:	2827 39 30 00
INDEX NR.:	027-004-00-5

Cobalt(II) Chloride 6-hydrate pure

Assay (Compl.): 98%

CODE	**141257**
CAS	**7791-13-1**
MOLECULAR FORMULA	**$CoCl_2.6H_2O$**
MOLAR MASS	**237.93 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141257.1209	PACKAGING SIZE 250 g	
	CODE 141257.1211	PACKAGING SIZE 1000 g	Product discontinued. Alternative 141257.1209 (please check specifications).

Technical data

MELTING POINT:	86 °C
SOLUBILITY:	water 767 g/l at 0 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141257
PRODUCT NAME:	Cobalt(II) Chloride 6-hydrate pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Compl.): 98% Insoluble matter in H2O: 0.01 % Nitrogen compounds (as N): 0.01% Sulfate (SO4): 0.05% Cu: 0.005 % Fe: 0.005 % Pb: 0.005 % Zn: 0.1 %
HAZARD PICTOGRAMS	
UN:	3288
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS07 GHS09
H PHRASES:	H350i H360F H302 H334 H317 H341 H410
P PHRASES:	P201 P202

P261
P264
P270
P272
P273
P280
P281
P285
P301+P312
P302+P352
P304+P341
P308+P313
P321
P330
P333+P313
P342+P311
P363
P391
P405
P501

MASTER NAME:	Cobalt(II) Chloride 6-hydrate
EINECS:	231-589-4
CS:	2827 39 30 00
INDEX NR.:	027-004-00-5

Chromium(III) Chloride 6-hydrate pure

Assay (Iodom.): 95.0 - 101.0 %

CODE	**AT2014**
CAS	**10060-12-5**
MOLECULAR FORMULA	**$CrCl_3.6H_2O$**
MOLAR MASS	**266.45 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE AT2014.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	83 °C
SOLUBILITY:	Miscible with ethanol
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	AT2014
PRODUCT NAME:	Chromium(III) Chloride 6-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Iodom.): 95.0 - 101.0 % Identity: passes test pH of 5% solution: 2.0-3.5 Ammonium (NH4): 0.01% Sulfate (SO4): 0.01%

	Insoluble matter: 0.01 % Non-precip. substances by NH4OH (as SO4): 0.20 % Fe: 0,01 % Pb: 0,005 %
HAZARD PICTOGRAMS	
UN:	3260
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS05 GHS09
H PHRASES:	H302 H290 H317 H411
P PHRASES:	P261 P280 P301+P312 P406 P501
MASTER NAME:	Chromium(III) Chloride 6-hydrate
EINECS:	233-038-3
CS:	2827 39 85 90

Cetyltrimethylammonium Bromide for analysis

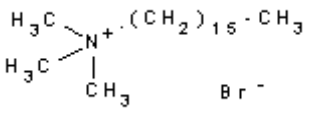
Cetrimonium Bromide, CTAB, Hexadecyltrimethylammonium Bromide, N,N,N-Trimethyl-1-Hexadecaniminium Bromide

Minimum assay (Arg.): 99 %

CODE	**122054**
CAS	**57-09-0**
MOLECULAR FORMULA	**$C_{19}H_{42}BrN$**
MOLAR MASS	**364.46 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 122054.1209	PACKAGING SIZE 250 g	Product active until stock lasts.



Technical data

MELTING POINT:	250 - 256 °C
SOLUBILITY:	water 3 g/l at 20 °C 128 g/l at 28 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	122054
PRODUCT NAME:	Cetyltrimethylammonium Bromide for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Arg.): 99 % Identity: IR passes test Maximum limit of impurities Insoluble matter in H2O: passes test Loss on drying at 105°C: 1% Residue on ignition (as SO4): 0.5 % Cu: 0,001 % Fe: 0,001 % Ni: 0,001 % Pb: 0,001 %

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 GHS09 GHS05
H PHRASES:	H302

	H318 H315 H400 H335
P PHRASES:	P261 P310 P321 P330 P362+P364 P501 P405 P305+P351+P338

MASTER NAME:	N-Cetyl-N,N,N-Trimethylammonium Bromide
SYNONYMS LONG TEXT:	Cetrimonium Bromide, CTAB, Hexadecyltrimethylammonium Bromide, N,N,N-Trimethyl-1-Hexadecaniminium Bromide
EINECS:	200-311-3
CS:	2923 90 00 90

Copper(II) Nitrate solution 45% w/w technical grade

Assay (as Cu(NO3)2) (Iodom.): 44-46 %

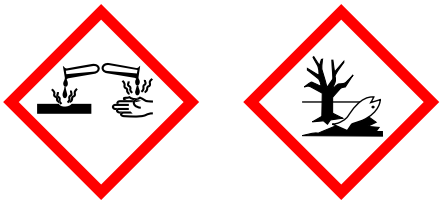
CODE	**216164**
CAS	**10031-43-3**
MOLECULAR FORMULA	**$Cu(NO_3)_2$**
MOLAR MASS	**241.60 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 216164.9774	PACKAGING SIZE 958 l

Technical data

DENSITY:	1.513 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	216164
PRODUCT NAME:	Copper(II) Nitrate solution 45% w/w technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (as Cu(NO3)2) (Iodom.): 44-46 % Density 25/4: ≥ 1.5

HAZARD PICTOGRAMS	
UN:	3264
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	H314 H410 H290
P PHRASES:	P264 P270 P280 P301+P312 P302+P352 P501 P305+P351+P338 P321 P330 P332+P313 P337+P313 P362

MASTER NAME:	Copper(II) Nitrate solution 45% w/w
EINECS:	221-838-5
CS:	2834 29 40 00

Copper(II) Nitrate 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Minimum assay (Iodom.): 99.0%

CODE	**131267**
CAS	**10031-43-3**
MOLECULAR FORMULA	**$Cu(NO_3)_2.3H_2O$**
MOLAR MASS	**241.60 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131267.1210	PACKAGING SIZE 500 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	114 °C
SOLUBILITY:	water 2,670 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131267
PRODUCT NAME:	Copper(II) Nitrate 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 99.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Chloride (Cl): 0.002%
Sulfate (SO4): 0.01%
As: 0.0001 %

Metals by ICP [in mg/Kg (ppm)]
Ca: 50
Cd: 50
Co: 10
Cr: 30
Fe: 50
Hg: 10
K: 50
Mg: 20
Mn: 10
Na: 50
Ni: 100
Pb: 10
Sb: 20
Sr: 10
Ti: 10
V: 10
Zn: 300

HAZARD PICTOGRAMS	
UN:	1477
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	2
STORAGE:	Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05 GHS09
H PHRASES:	H272 H314 H400 H411
P PHRASES:	P210 P273 P280 P303+P361+P353 P305+P351+P338

MASTER NAME:	Copper(II) Nitrate 3-hydrate
EINECS:	221-838-5
CS:	2834 29 40 00

Copper(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Minimum assay (Iodom.): 99.0%

CODE	**131264**
CAS	**10125-13-0**
MOLECULAR FORMULA	**$CuCl_2.2H_2O$**
MOLAR MASS	**170.48 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131264.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131264.1211	PACKAGING SIZE 1000 g	

Technical data

MELTING POINT:	~ 100 °C
SOLUBILITY:	water 1,150 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131264
PRODUCT NAME:	Copper(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 99.0% pH of 5% solution: ≥3.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Sulfate (SO4): 0.005% Non precipitated substances by H2S: 0.1 % Nitrate (NO3): 0.015% As: 0.0005 % Ba: 0.005 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.005 % Fe: 0.005 % K: 0.01 % Mg: 0.0005 % Mn: 0.0005 % Na: 0.01 % Ni: 0.005 % Zn: 0.001 %

HAZARD PICTOGRAMS

UN:	2802
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+H312 H318 H315 H410
P PHRASES:	P261 P264 P270 P271 P280 P501 P301+P310 P302+P352 P304+P340 P305+P351+P338 P312 P321 P330 P332+P313 P337+P313 P362 P403+P233 P405

MASTER NAME:	Copper(II) Chloride 2-hydrate
EINECS:	231-210-2
CS:	2827 39 85 90

Coenzyme A Trilithium Salt 2-hydrate *BioChemica*

Assay (enzym.): min. 95 %

CODE	**A0813**
CAS	**18439-24-2**
MOLECULAR FORMULA	**$C_{21}H_{33}Li_3N_7O_{16}P_3S \cdot 2H_2O$**
MOLAR MASS	**821.40 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A0813,0100	PACKAGING SIZE 100 mg

ⓘ Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A0813
PRODUCT NAME:	Coenzyme A Trilithium Salt 2-hydrate *BioChemica*
SPECIFICATIONS:	Assay (enzym.): min. 95 %
WGK:	1
STORAGE:	-20°C

SHIPMENT:	wet ice
EINECS:	242-317-9
CS:	29349990

Cobalt(II) Sulfate 7-hydrate pure

Assay (Compl.): 98%

CODE	**141259**
CAS	**10026-24-1**
MOLECULAR FORMULA	**$CoSO_4.7H_2O$**
MOLAR MASS	**281.10 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141259.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

ⓘ Technical data

MELTING POINT:	98 °C
SOLUBILITY:	water 260 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141259
PRODUCT NAME:	Cobalt(II) Sulfate 7-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Compl.): 98% pH of 5% solution: ≥3.0 Chloride (Cl): 0.005% Nitrogen compounds (as N): 0.01%

Cu: 0.005 %
Fe: 0.005 %
Pb: 0.005 %
Zn: 0.01 %

HAZARD PICTOGRAMS	
UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS07 GHS09
H PHRASES:	H350i H360F H302 H334 H317 H341 H410 H319
P PHRASES:	P201 P202 P261 P264 P270 P272 P273

	P280 P281 P285 P301+P312 P302+P352 P304+P341 P308+P313 P321 P330 P333+P313 P342+P311 P363 P391 P405 P501
MASTER NAME:	Cobalt(II) Sulphate 7-hydrate
EINECS:	233-334-2
CS:	2833 29 30 00
INDEX NR.:	027-005-00-0

Copper(II) Sulfate anhydrous (Reag. USP) for analysis

Minimum assay (Iodom.): 98%

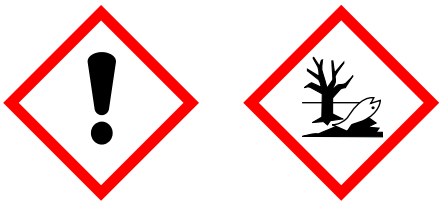
CODE	**122726**
CAS	**7758-98-7**
MOLECULAR FORMULA	**$CuSO_4$**
MOLAR MASS	**159.60 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 122726.1209	PACKAGING SIZE 250 g	Product active until stock lasts.

Technical data

SOLUBILITY:	water 203 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	122726
PRODUCT NAME:	Copper(II) Sulfate anhydrous (Reag. USP) for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Iodom.): 98%
	Maximum limit of impurities

	Insoluble matter in H2O: 0.01 % Loss on drying at 250°C: 1% Chloride (Cl): 0.002% Nitrogen compounds (as N): 0.005% Not precipit. substances by H2S (as SO4): 0.15 % As: 0.0001 % Ca: 0.01 % Fe: 0.01 % K: 0.005 % Mg: 0.005 % Na: 0.01 % Ni: 0.005 % Pb: 0.01 % Zn: 0.05 %
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 anhydrous pure

Assay (Iodom.): 98%

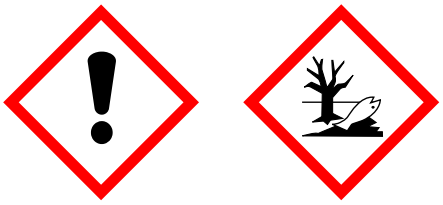
CODE	**142726**
CAS	**7758-98-7**
MOLECULAR FORMULA	**$CuSO_4$**
MOLAR MASS	**159.60 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 142726.1209	PACKAGING SIZE 250 g
	CODE 142726.1214	PACKAGING SIZE 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 (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Assay (Iodom.): 99-101 %

CODE	**131270**
CAS	**7758-99-8**
MOLECULAR FORMULA	**$CuSO_4.5H_2O$**
MOLAR MASS	**249.68 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 131270.1210	PACKAGING SIZE 500 g
	CODE 131270.1211	PACKAGING SIZE 1000 g
	CODE 131270.1214	PACKAGING SIZE 5 kg
	CODE 131270.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 330 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131270
PRODUCT NAME:	Copper(II) Sulfate 5-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Iodom.): 99-101 % **Maximum limit of impurities** Insoluble matter in H2SO4: 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% As: 0.0001 % **Metals by ICP [in mg/Kg (ppm)]** Ca: 50 Cd: 10 Co: 10 Cr: 5 Fe: 30 Hg: 5 K: 10 Mg: 20 Mn: 5 Na: 50 Ni: 50 Pb: 50 Si: 5 Sr: 5 Ti: 5 V: 5 Zn: 300
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
EINECS:	231-847-6
CS:	2833 25 00 80
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	**$CuSO_4.5H_2O$**
MOLAR MASS	**249.68 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141270.1211	PACKAGING SIZE 1000 g
	CODE 141270.0416	PACKAGING SIZE 25 kg

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
EINECS:	231-847-6
CS:	2833 25 00 80
INDEX NR.:	029-004-00-0

Copper(II) Sulfate 0.1 mol/l (0.1M) volumetric solution

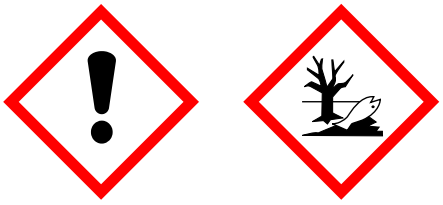
CODE	**181271**
CAS	**7758-98-7**
MOLECULAR FORMULA	**$CuSO_4$**
MOLAR MASS	**159.60 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181271.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.016 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181271
PRODUCT NAME:	Copper(II) Sulfate 0.1 mol/l (0.1M) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Murexide
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS	
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CLASS/PG:	9(PEL. M.AMBIENTE)(CONT. MARINO)/III
ADR:	9(PEL. M.AMBIENTE)(CONT. MARINO)/III
IMDG:	9(PEL. M.AMBIENTE)(CONT. MARINO)/III
IATA:	9(PEL. M.AMBIENTE)(CONT. MARINO)/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS09
H PHRASES:	H319 H410
P PHRASES:	P273 P264 P280 P305+P351+P338 P337+P313 P501

MASTER NAME:	Copper(II) Sulphate 0,1 mol/l *(0,1M)
EINECS:	231-847-6
CS:	2833 25 00 00
INDEX NR.:	029-004-00-0

DERQUIM SALT (Sodium Chloride lumps)

CODE	**503468**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 503468.0415	PACKAGING SIZE 10 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:	503468
PRODUCT NAME:	DERQUIM SALT (Sodium Chloride lumps)
HEADLINE COMMENT:	for deliming of water
SPECIFICATIONS:	Identity: passes test
STORAGE:	Room Temperature.

MASTER NAME:	DERQUIM SALT (Sodium Chloride lumps)
EINECS:	231-598-3
CS:	2501 00 99 00

D-Pantothenic Acid Calcium Salt *BioChemica*

Assay (titr.): min. 98 %

CODE	**A2088**
CAS	**137-08-6**
MOLECULAR FORMULA	**$C_{18}H_{32}CaN_2O_{10}$**
MOLAR MASS	**476.54 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A2088,0100	PACKAGING SIZE 100 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2088
PRODUCT NAME:	D-Pantothenic Acid Calcium Salt *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 98 % α20°C/D; 5 %, H_2O: +25° - +29° pH (5 %; H_2O): 6.5 - 8.0 Heavy metals (as Pb): max. 0.002 % Loss on drying: max. 3 %
WGK:	1

STORAGE:	RT
EINECS:	205-278-9
CS:	29362400

D-Luciferin Sodium Salt

Assay (HPLC): min. 98.5 %

CODE	**A1006**
CAS	**103404-75-7**
MOLECULAR FORMULA	**$C_{11}H_7NaN_2O_3S_2$**
MOLAR MASS	**302.31 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1006,0010	PACKAGING SIZE 10 mg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1006
PRODUCT NAME:	D-Luciferin Sodium Salt
SPECIFICATIONS:	Assay (HPLC): min. 98.5 % Solubility: clear, yellow (4 mg in 1 mL 0.005 M Glycine) Molar absorption: min. 17500 (385 nm pH 11.5)
WGK:	1
STORAGE:	-20°C protected from light

SHIPMENT:	RT
CS:	29342080

Copper(II) Sulfate solution d.1.055 for clinical diagnostics

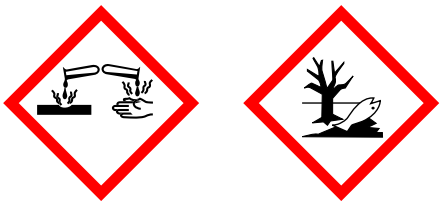
CODE	**253295**
CAS	**7758-98-7**
MOLECULAR FORMULA	**$CuSO_4$**
MOLAR MASS	**159.60 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 253295.2711	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.055 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	253295
PRODUCT NAME:	Copper(II) Sulfate solution d.1.055 for clinical diagnostics
QUALITY NAME:	for clinical diagnostics
HEADLINE COMMENT:	for hematology, blood density
SPECIFICATIONS:	Density 20/4: 1.055±0.001

HAZARD PICTOGRAMS	
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CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS09 GHS05
H PHRASES:	H318 H410
P PHRASES:	P273 P391 P501 P310 P280 P305+P351+P338

MASTER NAME:	Copper(II) Sulphate solution *d.1,055
EINECS:	231-847-6
CS:	2833 25 00 00
INDEX NR.:	029-004-00-0

Copper(II) Sulfate solution d.1.053 for clinical diagnosis

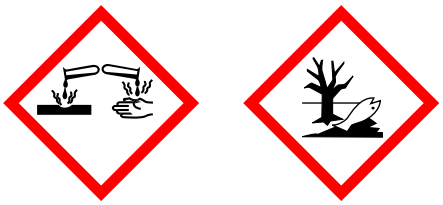
CODE	**253296**
CAS	**7758-98-7**
MOLECULAR FORMULA	**$CuSO_4$**
MOLAR MASS	**159.60 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 253296.2711	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.053 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	253296
PRODUCT NAME:	Copper(II) Sulfate solution d.1.053 for clinical diagnosis
QUALITY NAME:	for clinical diagnosis
HEADLINE COMMENT:	for hematology, blood density
SPECIFICATIONS:	Density 20/4: 1.053±0.001

HAZARD PICTOGRAMS	
UN:	3082
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS09 GHS05
H PHRASES:	H410 H318
P PHRASES:	P273 P280 P501 P305+P351+P338 P310 P391

MASTER NAME:	Copper(II) Sulphate solution *d.1,053
EINECS:	231-847-6
CS:	2833 25 00 00
INDEX NR.:	029-004-00-0

di-Potassium Hydrogen Phosphate 3-hydrate (E-340ii, F.C.C.) food grade

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

Assay (as K2HPO4) after drying, not less than: 98.0%

CODE	**202333**
CAS	**16788-57-1**
MOLECULAR FORMULA	**$K_2HPO_4.3H_2O$**
MOLAR MASS	**228.22 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 202333.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	202333
PRODUCT NAME:	di-Potassium Hydrogen Phosphate 3-hydrate (E-340ii, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as K2HPO4) after drying, not less than:

	98.0% Assay (K2HPO4.3H2O) , not less than: 98.0% Identity Phosphate: passes test Potassium: passes test pH sol. 1%: 8.7-9.4 Appearance: passes test Insoluble substances a.a.s., not more than: 0.2 % P2O5 content (a.a.s.): 40.3 - 41.5 % Fluoride, not more than: 10 ppm Pyrophosphate (as Na4P2O7), not more than: 2 % Arsenic (as As), not more than: 1 ppm Cadmium, not more than: 1 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 1 ppm Heavy metals (as Pb) , not more than: 0.001% Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Potassium Hydrogen Phosphate 3-hydrate
SYNONYMS LONG TEXT:	Phosphate Dipotasic, Potassium Biphosphate, Potassium Phosphate di-Basic, Potassium Phosphate secondary
EINECS:	231-834-5
CS:	2835 24 00 00

di-Lithium tetra-Borate for analysis

Lithium Biborate, Lithium Borate

Minimum assay (Acidim.): 98.0%

CODE	**122903**
CAS	**12007-60-2**
MOLECULAR FORMULA	**$Li_2B_4O_7$**
MOLAR MASS	**169.12 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 122903.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	930 °C
SOLUBILITY:	water 29 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	122903
PRODUCT NAME:	di-Lithium tetra-Borate for analysis
QUALITY NAME:	for analysis
HEADLINE COMMENT:	flux
SPECIFICATIONS:	Minimum assay (Acidim.): 98.0%

	Maximum limit of impurities Chloride (Cl): 0.005% Phosphate (PO4): 0.05 % Sulfate (SO4): 0.02% Silicate (as SiO2): 0.01% Loss on melting: 2.0% Fluoride (F): 0.002% Al: 0.005 % As: 0.0002 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.001 % Cu: 0.0005 % Fe: 0.001 % K: 0.005 % Mg: 0.002 % Mn: 0.0005 % Na: 0.005 % Ni: 0.0005 % Pb: 0.002 % Zn: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Lithium tetra-Borate
SYNONYMS LONG TEXT:	Lithium Biborate, Lithium Borate
EINECS:	234-514-3
CS:	2840 20 90 90

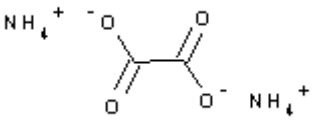
di-Ammonium Oxalate 1-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Perm.): 99.5-101.0%

CODE	**131136**
CAS	**6009-70-7**
MOLECULAR FORMULA	**$(NH_4)_2(COO)_2.H_2O$**
MOLAR MASS	**142.11 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 131136.1211	PACKAGING SIZE 1000 g



Technical data

MELTING POINT:	133 °C
SOLUBILITY:	water 45 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131136
PRODUCT NAME:	di-Ammonium Oxalate 1-hydrate (Reag. USP, Ph.

Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Assay (Perm.): 99.5-101.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Residue on ignition (as SO4): 0.02 %
Chloride (Cl): 0.001%
Phosphate (PO4): 0.001 %
Sulfate (SO4): 0.002%
Nitrate (NO3): 0.001%
As: 0.00002%
Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]
Al: 5
B: 5
Be: 5
Bi: 5
Ca: 10
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 2
Ga: 5
Ge: 5
Hg: 5
In: 5
K: 10
Mg: 5
Mn: 5
Mo: 5
Na: 10
Ni: 5
Pb: 5
Pt: 5
Sb: 5
Se: 5
Si: 5
Sn: 5
Sr: 5
Ti: 5

	Tl: 5 V: 5 Zn: 5 Zr: 5
HAZARD PICTOGRAMS	
UN:	2811
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H312 H302 H319
P PHRASES:	P264 P270 P301+P312 P302+P352 P312 P501 P322 P330 P363
MASTER NAME:	di-Ammonium Oxalate 1-hydrate

EINECS:	214-202-3
CS:	2917 11 00 99
INDEX NR.:	607-007-00-3

di-Ammonium Hydrogen Phosphate (Reag. Ph. Eur.) for analysis, ACS

Ammonium Phosphate di-Basic, Secondary Ammonium Phosphate

Minimum assay (Acidim.): 99.0%

CODE	**131127**
CAS	**7783-28-0**
MOLECULAR FORMULA	**$(NH_4)_2HPO_4$**
MOLAR MASS	**132.06 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131127.1211	PACKAGING SIZE 1000 g
	CODE 131127.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 690 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131127
PRODUCT NAME:	di-Ammonium Hydrogen Phosphate (Reag. Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 7.7-8.1 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Sulfur compounds (as SO4): 0.004 % Nitrate (NO3): 0.003% Heavy metals (as Pb): 0.001% As: 0.0001 % Ca: 0.001 % Cu: 0.001 % Fe: 0.001 % K: 0.005 % Mg: 0.0005 % Na: 0.005 % Ni: 0.001 % Pb: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Ammonium Hydrogen Phosphate
SYNONYMS LONG TEXT:	Ammonium Phosphate di-Basic, Secondary Ammonium Phosphate
EINECS:	231-987-8
CS:	3105 30 00 00

di-Ammonium Hydrogen Citrate (Reag. USP, Ph. Eur.) for analysis, ACS

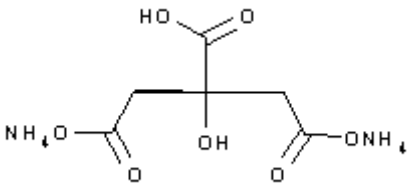
Ammonium Citrate Dibasic, Secondary Ammonium Citrate

Assay (Acidim.): 98.0-103.0%

CODE	**131120**
CAS	**3012-65-5**
MOLECULAR FORMULA	**$C_6H_5O_7(NH_4)_2H$**
MOLAR MASS	**226.19 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131120.1210	PACKAGING SIZE 500 g	
	CODE 131120.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 131120.0416	PACKAGING SIZE 25 kg	



Technical data

SOLUBILITY:	water 1,000 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131120
PRODUCT NAME:	di-Ammonium Hydrogen Citrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Acidim.): 98.0-103.0% Maximum limit of impurities Insoluble matter in H2O: 0.005 % Residue on ignition (as SO4): 0.01 % Chloride (Cl): 0.0005% Sulfur compounds (SO4): 0.005 % Phosphate (PO4): 0.0005 % Oxalate (C2O4): 0.05% Heavy Metals (ICP-OES): 0.0005 % Water (H2O): 1 % As: 0,00001 % Ca: 0,002 % Cd: 0,0005 % Co: 0,0005 % Cr: 0,0005 % Cu: 0,0005 % Fe: 0,0005 % K: 0,005 % Mg: 0,0005 % Mn: 0,0005 % Na: 0,005 % Ni: 0,0005 % Pb: 0,0005 % Zn: 0,0005 %

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:	di-Ammonium Hydrogen Citrate
SYNONYMS LONG TEXT:	Ammonium Citrate Dibasic, Secondary Ammonium Citrate
EINECS:	221-146-3
CS:	2918 15 00 10

di-Potassium Hydrogen Phosphate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS

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

Minimum assay (Acidim.): 99.0%

CODE	**131512**
CAS	**7758-11-4**
MOLECULAR FORMULA	**K_2HPO_4**
MOLAR MASS	**174.18 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 131512.1211	PACKAGING SIZE 1000 g

Technical data

SOLUBILITY:	water 1,600 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131512
PRODUCT NAME:	di-Potassium Hydrogen Phosphate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS

SPECIFICATIONS:

Minimum assay (Acidim.): 99.0%
pH of 5% solution: 8.7-9.4

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Loss on drying at 105°C: 1.0%
Chloride (Cl): 0.002%
Nitrogen compounds (as N): 0.001%
Sulfate (SO4): 0.005%
As: 0.00005 %
Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 5
Au: 5
B: 5
Be: 5
Bi: 5
Ca: 50
Cd: 5
Co: 5
Cr: 5
Cu: 2
Fe: 5
Ga: 5
Ge: 5
In: 5
Li: 10
Mg: 5
Mn: 5
Mo: 5
Na: 500
Ni: 5
Pb: 5
Pt: 5
Sb: 5
Se: 5
Sn: 5
Sr: 5
Ti: 5
V: 5
Zn: 5
Zr: 5

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

di-Potassium Hydrogen Phosphate anhydrous for analysis

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

Minimum assay (Acidim.): 99.0%

CODE	**121512**
CAS	**7758-11-4**
MOLECULAR FORMULA	**K_2HPO_4**
MOLAR MASS	**174.18 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 121512.1210	PACKAGING SIZE 500 g
	CODE 121512.1211	PACKAGING SIZE 1000 g
	CODE 121512.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

SOLUBILITY:	water 1,600 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121512
PRODUCT NAME:	di-Potassium Hydrogen Phosphate anhydrous for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 8.5-9.6 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 105°C: 1.0% Chloride (Cl): 0.005% Nitrogen compounds (as N): 0.002% Sulfate (SO4): 0.01% Heavy metals (as Pb): 0.001% As: 0.0001 % Ca: 0.005 % Cd: 0.001 % Co: 0.001 % Cu: 0.001 % Fe: 0.001 % Mg: 0.005 % Mn: 0.001 % Ni: 0.001 % Pb: 0.001 % Zn: 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

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 141512.0914	PACKAGING SIZE 5 kg
	CODE 141512.0716	PACKAGING SIZE 25 kg

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

di-Potassium Hydrogen Phosphate anhydrous *BioChemica*

Assay (titr.): min. 99 %

CODE	**A1042**
CAS	**7758-11-4**
MOLECULAR FORMULA	**K_2HPO_4**
MOLAR MASS	**174.18 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1042,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	1600 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1042
PRODUCT NAME:	*di*-Potassium Hydrogen Phosphate anhydrous *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % pH (5 %; H_2O; 20°C): 8.7 - 9.4 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Loss on drying (105°C): max. 1.0 %

	Chloride: max. 0.02 % Fluoride: max. 0.001 % Sulfate: max. 0.005 % A (1 cm/0.1 M in H_2O) 260 nm: max. 0.05 280 nm: max. 0.05
WGK:	1
STORAGE:	RT
EINECS:	231-834-5
CS:	28352400

di-Potassium Hydrogen Phosphate 3-hydrate for analysis

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

Minimum assay (Acidim.): 99 %

CODE	**122333**
CAS	**16788-57-1**
MOLECULAR FORMULA	**$K_2HPO_4.3H_2O$**
MOLAR MASS	**228.22 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 122333.1211	PACKAGING SIZE 1000 g

ⓘ Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	122333
PRODUCT NAME:	di-Potassium Hydrogen Phosphate 3-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Acidim.): 99 %

	pH of 5% solution: 9.1-9.5 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.005% Heavy metals (as Pb): 0.001 % As: 0.00005 % Ca: 0.005 % Cu: 0.001 % Fe: 0.0005 % Mg: 0.005 % Na: 0.1 % Ni: 0.0005 % Pb: 0.0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Potassium Hydrogen Phosphate 3-hydrate
SYNONYMS LONG TEXT:	Phosphate Dipotasic, Potassium Biphosphate, Potassium Phosphate di-Basic, Potassium Phosphate secondary
EINECS:	231-834-5
CS:	2835 24 00 00

di-Sodium Hydrogen Phosphate 12-hydrate for analysis, ISO

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

Assay (Acidim.): 99-102 %

CODE	**131678**
CAS	**10039-32-4**
MOLECULAR FORMULA	**$Na_2HPO_4.12H_2O$**
MOLAR MASS	**358.14 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131678.1211	PACKAGING SIZE 1000 g	
	CODE 131678.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 131678.1211 (please check specifications).
	CODE 131678.0416	PACKAGING SIZE 25 kg	

ⓘ Technical data

MELTING POINT:	34 °C
SOLUBILITY:	water 218 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131678
PRODUCT NAME:	di-Sodium Hydrogen Phosphate 12-hydrate for analysis, ISO
QUALITY NAME:	for analysis, ISO
SPECIFICATIONS:	Assay (Acidim.): 99-102 % pH of 5% solution: 9-9.4 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.005% Mono or tri-Base salt: passes test Heavy metals (as Pb): 0.0005% As: 0.00005 % Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.01 % Mg: 0.001 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
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-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	**$Na_2HPO_4.12H_2O$**
MOLAR MASS	**358.14 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141678.1211	PACKAGING SIZE 1000 g
	CODE 141678.1214	PACKAGING SIZE 5 kg
	CODE 141678.0416	PACKAGING SIZE 25 kg

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-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) low endotoxin 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	**Z41678**
CAS	**10039-32-4**
MOLECULAR FORMULA	**$Na_2HPO_4.12H_2O$**
MOLAR MASS	**358.14 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE Z41678.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	34 °C
SOLUBILITY:	water 218 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	Z41678
PRODUCT NAME:	di-Sodium Hydrogen Phosphate 12-hydrate (USP, BP, Ph. Eur.) low endotoxin pure, pharma grade

QUALITY NAME:	low endotoxin 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 Microbial Limits Bacterial endotoxins: 20 IU/g 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-Sodium Hydrogen Citrate 1 1/2-hydrate (Reag. Ph. Eur.) for analysis

2-Hydroxy-1,2,3-Propanetricarboxylic Acid Disodium Salt, Citric Acid Disodium Salt, Sodium Citrate Dibasic

Minimum assay (Perchl. Ac.): 99.0%

CODE	**121654**
CAS	**144-33-2**
MOLECULAR FORMULA	**$Na_2HC_6H_5O_7.1\ 1/2H_2O$**
MOLAR MASS	**263.11 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 121654.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	149 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121654
PRODUCT NAME:	di-Sodium Hydrogen Citrate 1 1/2-hydrate (Reag. Ph. Eur.) for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:	Minimum assay (Perchl. Ac.): 99.0% pH of 5% solution: 4.9-5.2 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Darkened substances by H2SO4: passes test Reducing substances: passes test Chloride (Cl): 0.001% Ammonium (NH4): 0.001% Phosphate (PO4): 0.002 % Oxalate (C2O4): 0.01% Heavy metals (as Pb): 0.001% As: 0.00004 % Cu: 0.0005 % Fe: 0.0005 % Ni: 0.0005 % Pb: 0.0005 %
STORAGE:	Room Temperature.
MASTER NAME:	di-Sodium Hydrogen Citrate 1 1/2-hydrate
SYNONYMS LONG TEXT:	2-Hydroxy-1,2,3-Propanetricarboxylic Acid Disodium Salt, Citric Acid Disodium Salt, Sodium Citrate Dibasic
EINECS:	205-623-3
CS:	2918 15 00 10

di-Potassium Oxalate 1-hydrate for analysis

Oxalic Acid Potassium Salt

Minimum assay (Perm.): 99.0%

CODE	**121526**
CAS	**6487-48-5**
MOLECULAR FORMULA	**$(COOK)_2.H_2O$**
MOLAR MASS	**184.24 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 121526.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.

Technical data

SOLUBILITY:	water 360 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121526
PRODUCT NAME:	di-Potassium Oxalate 1-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Perm.): 99.0% Maximum limit of impurities Insoluble matter in H2O: 0.005 %

	Darkened substances by H2SO4: passes test Chloride (Cl): 0.001% Ammonium (NH4): 0.002% Sulfate (SO4): 0.01% Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H312 H302 H319
P PHRASES:	P264 P270 P301+P312 P302+P352 P312 P501 P322 P330 P363
MASTER NAME:	di-Potassium Oxalate 1-hydrate
SYNONYMS LONG TEXT:	Oxalic Acid Potassium Salt
EINECS:	209-506-8
CS:	2917 11 00 99
INDEX NR.:	607-007-00-3

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 141679.1214	PACKAGING SIZE 5 kg
	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 7-hydrate (Reag. USP) for analysis, ACS

Disodium Phosphate, Sodium Phosphate , secondary, Sodium Phosphate di-Basic

Assay (Acidim.): 98.0-102.0 %

CODE	**132656**
CAS	**7782-85-6**
MOLECULAR FORMULA	**$Na_2HPO_4.7H_2O$**
MOLAR MASS	**268.06 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 132656.1211	PACKAGING SIZE 1000 g

ⓘ Technical data

MELTING POINT:	48 °C
SOLUBILITY:	Miscible with alcohol and ether.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	132656
PRODUCT NAME:	di-Sodium Hydrogen Phosphate 7-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS

SPECIFICATIONS:	Assay (Acidim.): 98.0-102.0 % pH of 5% solution: 8.7-9.3 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.005% Heavy Metals (ICP-OES): 0.001 % As: 0.0005 % Fe: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Sodium Hydrogen Phosphate 7-hydrate
SYNONYMS LONG TEXT:	Disodium Phosphate, Sodium Phosphate , secondary, Sodium Phosphate di-Basic
EINECS:	231-448-7
CS:	2835 22 00 00

di-Sodium Hydrogen Phosphate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS, BioChemica

Sodium Phosphate , secondary, Sodium Phosphate di-Basic

Minimum assay (Acidim.): 99.0%

CODE	**131679**
CAS	**7558-79-4**
MOLECULAR FORMULA	**Na_2HPO_4**
MOLAR MASS	**141.96 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 131679.1210	PACKAGING SIZE 500 g
	CODE 131679.1211	PACKAGING SIZE 1000 g
	CODE 131679.0914	PACKAGING SIZE 5 kg
	CODE 131679.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 75 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131679
PRODUCT NAME:	di-Sodium Hydrogen Phosphate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS, BioChemica
QUALITY NAME:	for analysis, ACS, BioChemica
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 8.7-9.3 Maximum limit of impurities Insoluble matter in H2O: 0.01 % Loss on drying at 105°C: 0.2% Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.005% Absorbance UV (1 cm cell; Ref.:Water) ABS at 280 nm 0,1 M sol in water: 0.05 ABS at 260 nm 0,1 M sol in water: 0.05 Pyrophosphate (P2O7): 0.2% As: 0.00005 % Heavy Metals (ICP-OES): 0.001 % Fluoride: 0.001 % Metals by ICP [in mg/Kg (ppm)] Al: 5 Au: 5 B: 5 Ba: 5 Be: 5 Ca: 10 Cd: 5 Co: 5 Cu: 5 Fe: 10 K: 100 Mg: 10 Mn: 5 Mo: 5

	Ni: 5 Pb: 10 Pt: 5 Sb: 5 Se: 5 Si: 5 Sr: 5 Ti: 5 Zn: 5
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	**$Na_2HPO_4.2H_2O$**
MOLAR MASS	**177.99 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 142507.1211	PACKAGING SIZE 1000 g
	CODE 142507.0914	PACKAGING SIZE 5 kg
	CODE 142507.0416	PACKAGING SIZE 25 kg

ⓘ 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 Phosphatesecondary
EINECS:	231-448-7
CS:	2835 22 00 00

di-Sodium Hydrogen Phosphate 2-hydrate for analysis

Sodium mono-Hydrogen Phosphate, Sodium Phosphatesecondary

Minimum assay (Acidim.): 99.0%

CODE	**122507**
CAS	**10028-24-7**
MOLECULAR FORMULA	**$Na_2HPO_4.2H_2O$**
MOLAR MASS	**177.99 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 122507.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 122507.1211	PACKAGING SIZE 1000 g	
	CODE 122507.1214	PACKAGING SIZE 5 kg	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	95 °C
SOLUBILITY:	water 93 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	122507
PRODUCT NAME:	di-Sodium Hydrogen Phosphate 2-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 8.7-9.3 Maximum limit of impurities Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.003% Nitrogen compounds (as N): 0.002% Sulfate (SO4): 0.005% Pyrophosphate (P2O7): 0.2% Heavy metals (as Pb): 0.001% As: 0.00005 % Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0005 % Fe: 0.002 % K: 0.005 % Mg: 0.001 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.001 % Zn: 0.0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	di-Sodium Hydrogen Phosphate 2-hydrate
SYNONYMS LONG TEXT:	Sodium mono-Hydrogen Phosphate, Sodium Phosphatesecondary
EINECS:	231-448-7
CS:	2835 22 00 00

di-Sodium tetraborate anhydrous pure

Assay (titr.): 99.0 - 103.0 %

CODE	**A0544**
CAS	**1330-43-4**
MOLECULAR FORMULA	**$B_4Na_2O_7$**
MOLAR MASS	**201.22 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A0544,9025	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	25 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A0544
PRODUCT NAME:	*di*-Sodium tetraborate anhydrous pure
SPECIFICATIONS:	Assay (titr.): 99.0 - 103.0 % Appearance of solution: passes test Identity: passes test pH (2 %; H_2O; 20°C): 9.0 - 10.0 Heavy metals (as Pb): max. 0.0025 % Ammonium: max. 0.001 % Sulfate: max. 0.005 % As: max. 0.0005 %

	Ca: max. 0.01 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS08
H PHRASES:	H319 H360FD
P PHRASES:	P280 P305+P351+P338 P308+P313 P337+P313 P405 P501
EINECS:	215-540-4
CS:	28401100
INDEX NR.:	005-011-00-4

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	**$Na_2B_4O_7.10H_2O$**
MOLAR MASS	**381.37 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141644.1211	PACKAGING SIZE 1000 g
	CODE 141644.0416	PACKAGING SIZE 25 kg

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
MASTER NAME:	di-Sodium tetra-Borate 10-hydrate
SYNONYMS LONG TEXT:	Borax, Sodium Borate
EINECS:	215-540-4
CS:	2840 19 90 00

di-Sodium tetra-Borate 10-hydrate (Reag. USP) for analysis, ACS, ISO

Borax, Sodium Borate

Assay (Acidim.): 99.5-103.0%

CODE	**131644**
CAS	**1303-96-4**
MOLECULAR FORMULA	**$Na_2B_4O_7.10H_2O$**
MOLAR MASS	**381.37 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131644.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	75 °C
SOLUBILITY:	water 50 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131644
PRODUCT NAME:	di-Sodium tetra-Borate 10-hydrate (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO

SPECIFICATIONS:	Assay (Acidim.): 99.5-103.0% pH of 0.01 mol/l solution: 9.15-9.20 **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.001% Ammonium (NH4): 0.001% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.0025% Heavy metals (as Pb): 0.001% As: 0.0001 % Ca: 0.005 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.002 % Ni: 0.001 % Pb: 0.0005 %
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
MASTER NAME:	di-Sodium tetra-Borate 10-hydrate

SYNONYMS LONG TEXT:	Borax, Sodium Borate
EINECS:	215-540-4
CS:	2840 19 90 00

di-Sodium Oxalate (Reag. USP, Ph. Eur.) for analysis, ACS

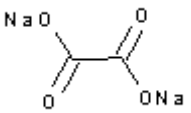
Oxalic Acid Sodium Salt

Minimum assay (Perm.): 99.5%

CODE	**131706**
CAS	**62-76-0**
MOLECULAR FORMULA	**$(NaCOO)_2$**
MOLAR MASS	**134.00 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131706.1210	PACKAGING SIZE 500 g	
	CODE 131706.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.



Technical data

SOLUBILITY:	water 37 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131706
PRODUCT NAME:	di-Sodium Oxalate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Perm.): 99.5% Maximum limit of impurities Insoluble matter in H2O: 0.005 % Darkened substances by H2SO4: passes test Loss on drying at 105°C: 0.01% Chloride (Cl): 0.002% Ammonium (NH4): 0.002% Phosphate (PO4): 0.005 % Sulfate (SO4): 0.002% Neutrality: passes test Heavy metals (as Pb): 0.002% Cu: 0.001 % Fe: 0.001 % K: 0.005 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H312 H302
P PHRASES:	P264 P270

	P301+P312 P302+P352 P312 P501 P322 P330 P363
MASTER NAME:	di-Sodium Oxalate
SYNONYMS LONG TEXT:	Oxalic Acid Sodium Salt
EINECS:	200-550-3
CS:	2917 11 00 99
INDEX NR.:	607-007-00-3

di-Sodium Hydrogen Phosphate anhydrous *BioChemica*

Assay (titr.): min. 99 %

CODE	**A1046**
CAS	**7558-79-4**
MOLECULAR FORMULA	**Na_2HPO_4**
MOLAR MASS	**141.96 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A1046,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.
	CODE A1046,5000	PACKAGING SIZE 5 kg	Product active until stock lasts.

Technical data

SOLUBILITY:	77 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1046
PRODUCT NAME:	*di*-Sodium Hydrogen Phosphate anhydrous *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 %

	Total N: max. 0.001 % pH (5 %; H_2O; 20°C): 8.7 - 9.3 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Loss on drying (120°C): max. 0.5 % Chloride: max. 0.001 % Fluoride: max. 0.0001 % Sulfate: max. 0.005 % A (1 cm/0.1 M in H_2O) 260 nm: max. 0.05 280 nm: max. 0.05
WGK:	1
STORAGE:	RT
EINECS:	231-448-7
CS:	28352200

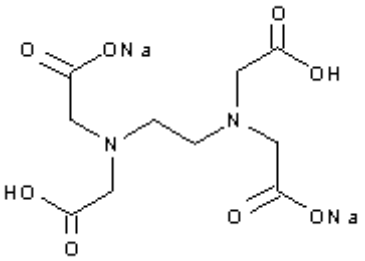
EDTA Disodium Salt 2-hydrate for molecular biology

Assay (titr.): min. 99 %

CODE	**A2937**
CAS	**6381-92-6**
MOLECULAR FORMULA	**$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$**
MOLAR MASS	**372.24 g/mol**

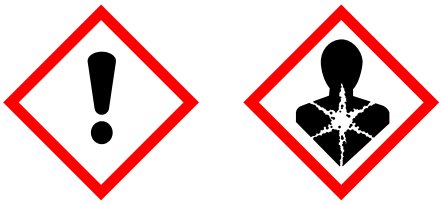
Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A2937,0500	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE A2937,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.



Technical data

SOLUBILITY:	100 g/L (H_2O)

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2937
PRODUCT NAME:	EDTA Disodium Salt 2-hydrate for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99 % pH (5 %; H_2O; 25°C): 4 - 5 Loss on drying: max. 10.0 % Chloride: max. 0.005 % Sulfate: max. 0.01 % As: max. 0.0005 % Cu: max. 0.001 % Fe: max. 0.001 % Pb: max. 0.001 %
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07 GHS08
H PHRASES:	H332 H373
P PHRASES:	P260 P271 P304+P340 P312 P314 P501

EINECS:	205-358-3
CS:	29224985

EDTA Disodium Salt 0.1 mol/l (0.1M) volumetric solution

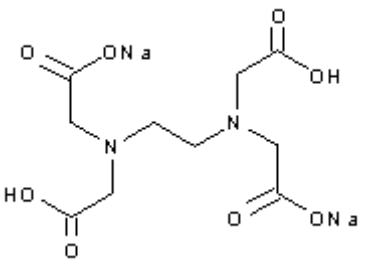
Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl)Glycine]

CODE	**181670**
CAS	**6381-92-6**
MOLECULAR FORMULA	**$C_{10}H_{14}N_2Na_2O_8.2H_2O$**
MOLAR MASS	**372.24 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	181670.1211	1000 ml
	181670.1214	5 l
	181670.1315	10 l

Product active until stock lasts.



Technical data

DENSITY:	1.017 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181670
PRODUCT NAME:	EDTA Disodium Salt 0.1 mol/l (0.1M) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Eriochrome Black T (ZnO)
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol/l *(0,1M)
SYNONYMS LONG TEXT:	Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl)Glycine]
EINECS:	205-358-3
CS:	2922 49 85 90

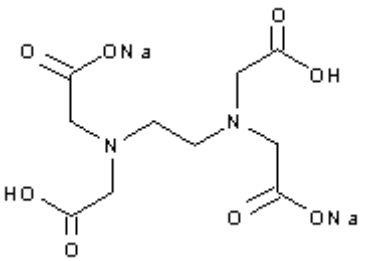
EDTA Disodium Salt 0.1 mol (37.224g C10H14N2Na2O8.2H2O) to prep.1l of 0.1M sol.

CODE **303118**

CAS **6381-92-6**

Packs sizes (1)

CODE	PACKAGING SIZE	
CODE 303118.1920	PACKAGING SIZE amp110ml	Product active until stock lasts.



Technical data

PHYSICAL DESCRIPTION:	liquid Plastic or glass ampoules containing clear colourless liquid
PRODUCT CODE:	303118
PRODUCT NAME:	EDTA Disodium Salt 0.1 mol (37.224g C10H14N2Na2O8.2H2O) to prep.1l of 0.1M sol.

SPECIFICATIONS:	Titer at 20°C: 0.997 - 1.003 Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ethylenediaminetetraacetic Acid Disodium Salt 0,1 mol *(37,224g C10H14N2
EINECS:	205-358-3
CS:	2922 49 85 90

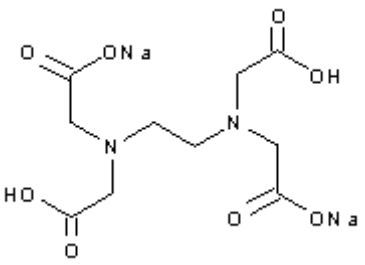
EDTA Disodium Salt 0.05 mol/l (0.05M) volumetric solution

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

CODE	**182120**
CAS	**6381-92-6**
MOLECULAR FORMULA	**$C_{10}H_{14}N_2Na_2O_8.2H_2O$**
MOLAR MASS	**372.24 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 182120.1211	PACKAGING SIZE 1000 ml
	CODE 182120.1214	PACKAGING SIZE 5 l
	CODE 182120.1315	PACKAGING SIZE 10 l



Technical data

DENSITY:	1.008 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182120
PRODUCT NAME:	EDTA Disodium Salt 0.05 mol/l (0.05M) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Eriochrome Black T (ZnO)
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ethylenediaminetetraacetic Acid Disodium Salt 0,05 mol/l *(0,05M)
SYNONYMS LONG TEXT:	Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl)Glycine]
EINECS:	205-358-3
CS:	2922 49 85 90

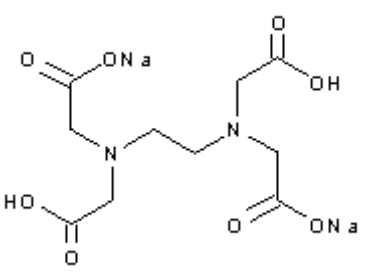
EDTA Disodium Salt 0.01 mol/l (0.01M) volumetric solution

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

CODE	**181671**
CAS	**6381-92-6**
MOLECULAR FORMULA	**$C_{10}H_{14}N_2Na_2O_8.2H_2O$**
MOLAR MASS	**372.24 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 181671.1211	PACKAGING SIZE 1000 ml	
	CODE 181671.1212	PACKAGING SIZE 2.5 l	
	CODE 181671.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 181671.1212 (please check specifications).



Technical data

DENSITY:	1.000 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181671
PRODUCT NAME:	EDTA Disodium Salt 0.01 mol/l (0.01M) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Eriochrome Black T (ZnO)
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Ethylenediaminetetraacetic Acid Disodium Salt 0,01 mol/l *(0,01M)
SYNONYMS LONG TEXT:	Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl)Glycine]
EINECS:	205-358-3
CS:	2922 49 85 90

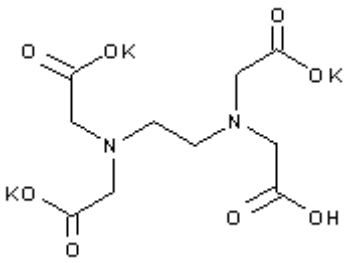
EDTA tripotassium salt dihydrate pure

Assay (titr.): min. 99 %

CODE	**A5603**
CAS	**65501-24-8**
MOLECULAR FORMULA	**$C_{10}H_{13}K_3N_2O_8 \cdot 2H_2O$**
MOLAR MASS	**442.56 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A5603,5000	PACKAGING SIZE 5 kg



Technical data

PRODUCT CODE:	A5603
PRODUCT NAME:	EDTA tripotassium salt dihydrate pure
SPECIFICATIONS:	Assay (titr.): min. 99 % pH (5 %; H_2O; 25°C): 7.5 - 9.0 Heavy metals (as Pb): max. 0.0005 % Insoluble matter in H_2O: max. 0.01 %

	Fe: max. 0.0005 % Ca: max. 0.0005 % Na: max. 0.3 %
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313
EINECS:	241-543-5
CS:	29224985

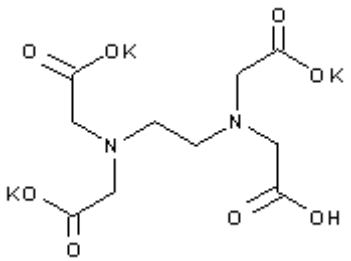
EDTA Tripotassium Salt 2-hydrate pure

Assay (Compl.): 98%

CODE	**144108**
CAS	**65501-24-8**
MOLECULAR FORMULA	**O**
MOLAR MASS	**442.57 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 144108.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative A5603,5000 (please check specifications).



Technical data

MELTING POINT:	182 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	144108

PRODUCT NAME:	EDTA Tripotassium Salt 2-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Compl.): 98% Identity: IR passes test pH of 5% solution: 8.0-9.0 Insoluble matter in H2O: 0.01 % Heavy metals (as Pb): 0.01% Ca: 0,005 % Fe: 0,005 % Mg: 0,005 %
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P280 P305+P351+P338 P337+P313
MASTER NAME:	Ethylenediaminetetraacetic Acid Tripotassium Salt 2-hydrate
EINECS:	241-543-5
CS:	2922 49 85 90

EDTA Tetrasodium Salt 4-hydrate pure

EDTA Tetrasodium salt, Ethylenedinitriletetraacetic Acid , Tetrasodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl) Glycine] Tetr

Assay (Compl.): 98%

CODE **141952**

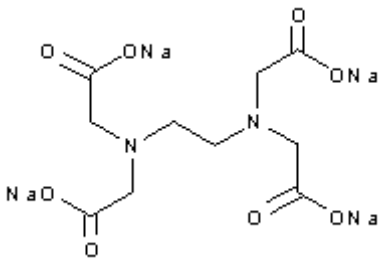
CAS **13235-36-4**

MOLECULAR FORMULA **$Na_4C_{10}H_{12}N_2O_8.4H_2O$**

MOLAR MASS **452.24 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141952.1211	PACKAGING SIZE 1000 g	
	CODE 141952.0914	PACKAGING SIZE 5 kg	Product discontinued. Alternative 141952.1211 (please check specifications).



ⓘ Technical data

SOLUBILITY: water 1,030 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141952
PRODUCT NAME:	EDTA Tetrasodium Salt 4-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Compl.): 98% Identity: IR passes test pH sol. 1%: 10.4-11.4 Insoluble matter in H2O: 0.02 % Chloride (Cl): 0.02% Sulfate (SO4): 0.05% Heavy metals (as Pb): 0.002% Cu: 0.0005 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS08
H PHRASES:	H302 H318 H332 H373
P PHRASES:	P260 P501

	P280 P301+P312 P305+P351+P338 P310
MASTER NAME:	Ethylenediaminetetraacetic Acid Tetrasodium Salt4-hydrate
SYNONYMS LONG TEXT:	EDTA Tetrasodium salt, Ethylenedinitriletetraacetic Acid , Tetrasodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl) Glycine] Tetr
EINECS:	200-573-9
CS:	2922 49 85 90

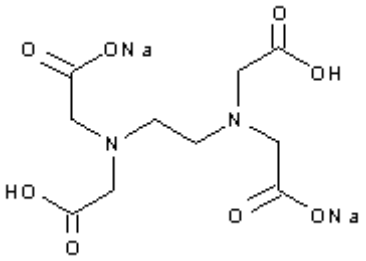
EDTA Disodium Salt 2-hydrate (Reag. Ph. Eur., USP) for analysis, ACS, molecular biology

Assay (complexometr.): 99.0 - 101.0 %

CODE	131669
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 (4)

	CODE	PACKAGING SIZE
	131669.1209	250 g
	131669.1210	500 g
	131669.1211	1000 g
	131669.0914	5 kg



Technical data

SOLUBILITY:	100 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	131669
PRODUCT NAME:	EDTA Disodium Salt 2-hydrate (Reag. Ph. Eur., USP) for analysis, ACS, molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (complexometr.): 99.0 - 101.0 % Identity (IR): passes test pH (5 %; H_2O; 25°C): 4.0 - 5.0 Appearance of solution: passes test Insoluble matter in H_2O: max. 0.005 % Loss on drying (150°C): 8.7 - 11.4 % Heavy metals (as Pb): max. 0.001 % Nitrilotriacetic acid [$(CH_2COOH)_3N$]: max. 0.05 % Chloride: max. 0.005 % Sulfate: max. 0.01 % As: max. 0.0005 % Pb: max. 0.0005 % Ca: max. 0.002 % Ni: max. 0.0005 % Cu: max. 0.0001 % Fe: max. 0.0005 %

HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07 GHS08
H PHRASES:	H332 H373
P PHRASES:	P260 P271 P304+P340 P312 P314 P501

EINECS:	205-358-3
CS:	29224985

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

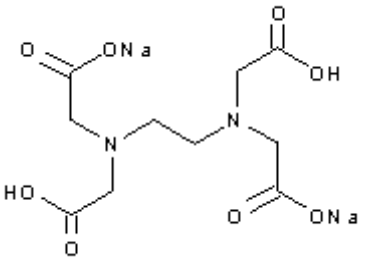
Disodium Edetate, Disodium EDTA, Ethylenedinitriletetraacetic Acid Disodium salt, N,N'-1,2-Ethanediyl-bis[N-(Carboxymethyl)Glycine]

Assay (Compl.): 98.5 - 101.0 %

CODE	**631669**
CAS	**6381-92-6**
MOLECULAR FORMULA	**$C_{10}H_{14}N_2Na_2O_8.2H_2O$**
MOLAR MASS	**372.24 g/mol**

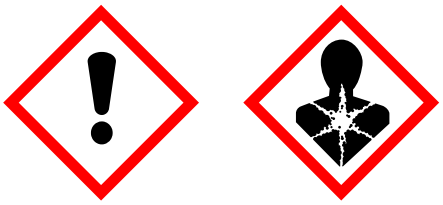
Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 631669.0914	PACKAGING SIZE 5 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.



Technical data

MELTING POINT:	248 - 254 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	631669
PRODUCT NAME:	EDTA Disodium Salt 2-hydrate (Ph. Eur, BP, USP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (Compl.): 98.5 - 101.0 % Assay (Compl.) (calc. a.a.s): 99.0 - 101.0 % Identity according to Pharmacopoeias: Complexone: passes test Sodium: passes test A: IR passes test pH sol. 5 %: 4.0 - 5.5 Maximum limit of impurities Appearance of solution Appearance Clear < formazin I: passes test Appearance Colourless: passes test Loss on drying at 150°C: 8.7 - 11.4 % Residual solvents (Ph.Eur/USP): passes test Nitrilotriacetic acid [CH2COOH)3N]: 0.1 % Ca: passes test Fe: 0.0080 %
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-Ethanediyl-bis[N-(Carboxymethyl)Glycine]
EINECS:	205-358-3
CS:	2922 49 85 90

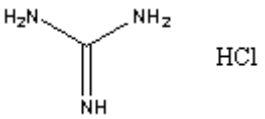
Guanidine Hydrochloride ultrapure

Assay (titr.): min. 99.5 %

CODE	**A3240**
CAS	**50-01-1**
MOLECULAR FORMULA	**$CH_5N_3 \cdot HCl$**
MOLAR MASS	**95.53 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A3240,0500	PACKAGING SIZE 500 g	
	CODE A3240,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.



Technical data

SOLUBILITY:	2000 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3240
PRODUCT NAME:	Guanidine Hydrochloride ultrapure

SPECIFICATIONS:	Assay (titr.): min. 99.5 % pH (6 M; H_2O): 4.5 - 6.0 (25°C) Water: max. 1.0 % Ammonium: max. 0.05 % Sulfate: max. 0.005 % Cu: max. 0.0001 % Fe: max. 0.0001 % Pb: max. 0.0001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302+H332 H315 H319
P PHRASES:	P261 P280 P301+P312 P304+P340 P305+P351+P338 P501
EINECS:	200-002-3
CS:	29252900
INDEX NR.:	607-148-00-0

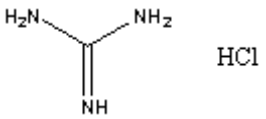
Guanidine Hydrochloride pure

Assay: min. 98 %

CODE	**144229**
CAS	**50-01-1**
MOLECULAR FORMULA	**$CH_5N_3 \cdot HCl$**
MOLAR MASS	**95.53 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 144229.1211	PACKAGING SIZE 1 kg



Technical data

SOLUBILITY:	2000 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	144229
PRODUCT NAME:	Guanidine Hydrochloride pure
SPECIFICATIONS:	Assay: min. 98 % pH (5 %; H_2O; 20°C): 3.5 - 6.5 Water (K.F.): max. 1 % Ammonium: max. 0.1 %

	Fe: max. 0.005 % Pb: max. 0.01 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302+H332 H315 H319
P PHRASES:	P261 P280 P301+P312 P304+P340 P305+P351+P338 P501
EINECS:	200-002-3
CS:	29252900
INDEX NR.:	607-148-00-0

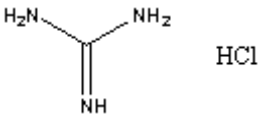
Guanidine Hydrochloride for molecular biology

Assay (titr.): min. 99.5 %

CODE	**A1106**
CAS	**50-01-1**
MOLECULAR FORMULA	**$CH_5N_3 \cdot HCl$**
MOLAR MASS	**95.53 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1106,1000	PACKAGING SIZE 1 kg



Technical data

SOLUBILITY:	2000 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1106
PRODUCT NAME:	Guanidine Hydrochloride for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99.5 %

	pH (6 M; H_2O; 25°C): 4.5 - 6.0 Water: max. 1.0 % Ammonium: max. 0.05 % Sulfate: max. 0.005 % Cu: max. 0.0001 % Fe: max. 0.0001 % Pb: max. 0.0001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302+H332 H315 H319
P PHRASES:	P261 P280 P301+P312 P304+P340 P305+P351+P338 P501
EINECS:	200-002-3
CS:	29252900
INDEX NR.:	607-148-00-0

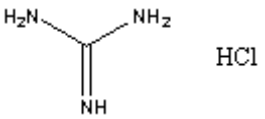
Guanidine Hydrochloride *BioChemica*

Assay (titr.): min. 99 %

CODE	**A1499**
CAS	**50-01-1**
MOLECULAR FORMULA	**$CH_5N_3 \cdot HCl$**
MOLAR MASS	**95.53 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A1499,1000	PACKAGING SIZE 1 kg
	CODE A1499,5000	PACKAGING SIZE 5 kg
	CODE A1499,9025	PACKAGING SIZE 25 kg



Technical data

SOLUBILITY:	2000 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid

PRODUCT CODE:	A1499
PRODUCT NAME:	Guanidine Hydrochloride *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % pH (5 %; H_2O; 25°C): 4.0 - 6.0 Insoluble matter: passes test Water: max. 1.0 % Ammonium: max. 0.05 % Fe: max. 0.0005 % Pb: max. 0.0005 % A (1 cm/50 % in water HPLC grade) 260 nm: max. 0.1 280 nm: max. 0.05

HAZARD PICTOGRAMS

WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302+H332 H315 H319
P PHRASES:	P261 P280 P301+P312 P304+P340 P305+P351+P338 P501
EINECS:	200-002-3
CS:	29252900
INDEX NR.:	607-148-00-0

Guanidine Hydrochloride solution (8 M) *BioChemica*

CODE

A0860

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A0860,0500	PACKAGING SIZE 500 ml

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	A0860
PRODUCT NAME:	Guanidine Hydrochloride solution (8 M) *BioChemica*
SPECIFICATIONS:	pH (25°C): 4.5 - 7.5 **Composition:** GuaHCl: 764.24 g/L A (1 cm/8 M in H_2O) 280 nm: max. 0.25
HAZARD PICTOGRAMS	
WGK:	1

STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H315 H319
P PHRASES:	P261 P280 P301+P312 P304+P340 P305+P351+P338 P501

CS:	29252900
INDEX NR.:	607-148-00-0

Hydrazinium Sulfate (Reag. USP) for analysis, ACS

Hydrazine Sulphate

Minimum assay (Iodom.): 99.0%

CODE	**131350**
CAS	**10034-93-2**
MOLECULAR FORMULA	**$H_2N\text{-}NH_2.H_2SO_4$**
MOLAR MASS	**130.12 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131350.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	254 °C
SOLUBILITY:	water 34.1 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131350
PRODUCT NAME:	Hydrazinium Sulfate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 99.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Residue on ignition (as SO4): 0.02 %
Chloride (Cl): 0.001%
Heavy Metals (ICP-OES): 0.001 %

Metals by ICP [in mg/Kg (ppm)]
Ba: 5
Be: 5
Cd: 5
Co: 5
Cu: 10
Fe: 10
In: 5
Mn: 5
Ni: 10
Pb: 10
Si: 5
Sr: 5

HAZARD PICTOGRAMS	
UN:	3288
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS06 GHS09

H PHRASES:	H350 H331 H311 H301 H317 H410
P PHRASES:	P201 P202 P261 P264 P270 P501 P271 P272 P273 P280 P281 P301+P310 P302+P352 P304+P340 P308+P313 P311 P312 P321 P322 P330 P333+P313 P361 P363 P391 P403+P233 P405

MASTER NAME:	Hydrazinium Sulphate
SYNONYMS LONG TEXT:	Hydrazine Sulphate
EINECS:	233-110-4
CS:	2825 10 00 90
INDEX NR.:	007-014-00-6

Histamine Dihydrochloride (Ph. Eur.) pure, pharma grade

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

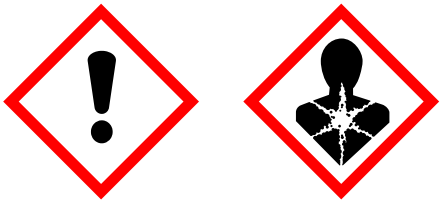
CODE	**A5355**
CAS	**56-92-8**
MOLECULAR FORMULA	**$C_5H_9N_3 \cdot 2HCl$**
MOLAR MASS	**184.07 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A5355,1000	PACKAGING SIZE 1 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A5355
PRODUCT NAME:	Histamine Dihydrochloride (Ph. Eur.) pure, pharma grade
SPECIFICATIONS:	Assay (titr., dried subst.): 98.5 - 101.0 % Appearance of solution: passes test Identity: passes test pH (5 %; H_2O): 2.85 - 3.60 Loss on drying (105°C): max. 0.5 % Sulfated ash: max. 0.1 % Histidine (TLC): passes test

	Sulfate: max. 0.1 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS08
H PHRASES:	H315 H317 H319 H334 H335
P PHRASES:	P284 P305+P351+P338 P342+P311 P403+P233 P405 P501
EINECS:	200-298-4
CS:	29332990

Heparin Sodium Salt *BioChemica*

Assay: min. 150 I.U. / mg

CODE	**A3004**
CAS	**9041-08-1**
MOLAR MASS	**8000 - 25000 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A3004,9530	PACKAGING SIZE 530 g
	CODE A3004,0005	PACKAGING SIZE 5 g
	CODE A3004,10000	PACKAGING SIZE 10 KU

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3004
PRODUCT NAME:	Heparin Sodium Salt *BioChemica*
SPECIFICATIONS:	Assay: min. 150 I.U. / mg Solubility (1 %; H_2O): clear, colorless pH (1 %; H_2O; 20°C): 5.5 - 8.0

	Heavy metals (as Pb): max. 0.003 % Loss on drying: max. 8 % Na: 9.5 - 12.5 %
WGK:	1
STORAGE:	RT
ORIGIN:	from porcine mucosa
CS:	30019091

Guanidine Thiocyanate for molecular biology

Assay (titr.): min. 99 %

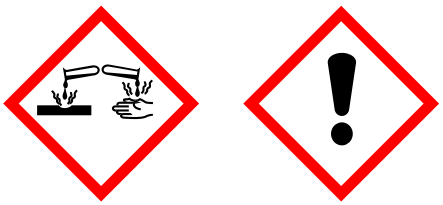
CODE	**A1107**
CAS	**593-84-0**
MOLECULAR FORMULA	**CH_6N_3SCN**
MOLAR MASS	**118.16 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A1107,0500	PACKAGING SIZE 500 g
	CODE A1107,1000	PACKAGING SIZE 1 kg
	CODE A1107,9025	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	1420 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1107

PRODUCT NAME:	Guanidine Thiocyanate for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99 % pH (1 M): 4.7 - 7.0 Water (K.F.): max. 1.0 % Ammonium: max. 0.1 % Fe: max. 0.0005 % A (1 cm/6 M in water HPLC grade) 280 nm: max. 0.6 300 nm: max. 0.1
HAZARD PICTOGRAMS	
UN:	1759
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	EUH032 H302+H312+H332 H314 H412
P PHRASES:	P280 P303+P361+P353 P305+P351+P338

	P310 P321 P362+P364 P405 P501
EINECS:	209-812-1
CS:	29252900
INDEX NR.:	615-004-00-3

Guanidine Thiocyanate solution (6 M in 0.1 M Tris; pH 7.5) for molecular biology

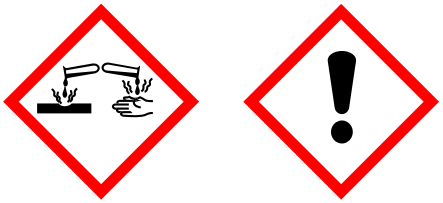
CODE

A0703

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A0703,1000	PACKAGING SIZE 1 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	A0703
PRODUCT NAME:	Guanidine Thiocyanate solution (6 M in 0.1 M Tris; pH 7.5) for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable pH (25°C): 7.3 - 7.7 **Composition:** GuaSCN: 708.96 g/L Tris: 12.11 g/L
HAZARD PICTOGRAMS	
UN:	1760

CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	EUH032 H302+H312+H332 H314 H412
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P362+P364 P405 P501

CS:	38221900
INDEX NR.:	615-004-00-3

Iron(II) Sulfate 7-hydrate (F.C.C.) food grade

Green Vitriol

Assay (FeSO4.7H2O): 99.5-104.5%

CODE	**201362**
CAS	**7782-63-0**
MOLECULAR FORMULA	**$FeSO_4.7H_2O$**
MOLAR MASS	**278.02 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 201362.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	64 °C
SOLUBILITY:	water 400 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201362
PRODUCT NAME:	Iron(II) Sulfate 7-hydrate (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (FeSO4.7H2O): 99.5-104.5%

	Identity Sulfate: passes test Iron (ferrous salt): passes test Appearance: passes test Mercury, not more than: 1 ppm Lead, not more than: 2 ppm Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
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

Hypoxanthine Sodium Salt *BioChemica*

Assay: min. 97 %

CODE	**A7729**
CAS	**45738-97-4**
MOLECULAR FORMULA	**$C_5H_3N_4NaO$**
MOLAR MASS	**158.09 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A7729,1000	PACKAGING SIZE 1 Kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A7729
PRODUCT NAME:	Hypoxanthine Sodium Salt *BioChemica*
SPECIFICATIONS:	Assay: min. 97 % Heavy metals (as Pb): max. 0.001 % Loss on drying (110°C): max. 3.0 % Appearance of solution: clear Identity (UV): passes test $\lambda_{max.}$: 251 - 256 nm pH (0.5 %; H_2O; 20°C): 9.0 - 10.5
WGK:	1

STORAGE:	RT
CS:	29335995

Hydroxylammonium Chloride (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Hydroxylamine Hydrochloride

Minimum assay (Perm.): 99.5%

CODE	**131914**
CAS	**5470-11-1**
MOLECULAR FORMULA	**$(NH_3OH)Cl$**
MOLAR MASS	**69.49 g/mol**

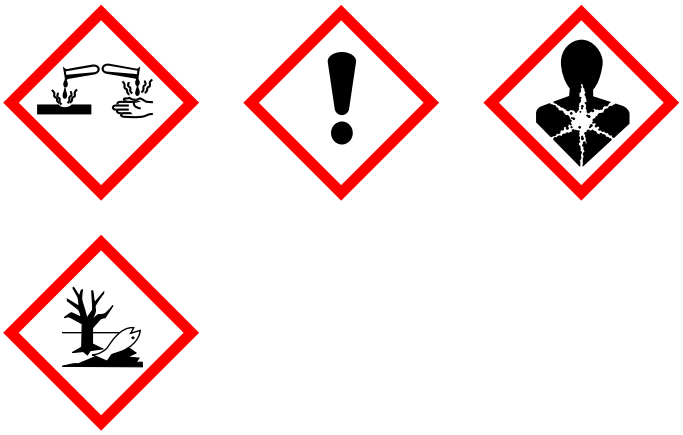
Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131914.1209	PACKAGING SIZE 250 g	
	CODE 131914.1211	PACKAGING SIZE 1000 g	
	CODE 131914.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 131914.1211 (please check specifications).

Technical data

MELTING POINT:	151 °C
SOLUBILITY:	water 1,000 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131914
PRODUCT NAME:	Hydroxylammonium Chloride (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Perm.): 99.5% pH of 5% solution: 2.5-4.0 Maximum limit of impurities Acidity: 0.25 meq/g Insoluble matter in C2H5OH: 0.005 % Insoluble matter in H2O: 0.005 % Residue on ignition (as SO4): 0.01 % Sulfur compounds (as SO4): 0.002 % Ammonium (NH4): 0.05% As: 0.0001 % Heavy metals (as Pb): 0.0005% Metals by ICP [in mg/Kg (ppm)] Bi: 5 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 5 Ga: 5 Ge: 5 In: 5 K: 50 Mg: 5 Mn: 5 Na: 50 Ni: 5 Pb: 5 Sr: 5 Tl: 5 V: 5 Zn: 5 Zr: 5

HAZARD PICTOGRAMS	
UN:	1759
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05 GHS07 GHS08 GHS09
H PHRASES:	H290 H351 H312 H302 H373 H319 H315 H317 H400
P PHRASES:	P201 P202 P234

	P260 P261 P264 P270 P272 P273 P280 P281 P301+P312 P302+P352 P305+P351+P338 P308+P313 P312 P314 P321 P322 P330 P332+P313 P333+P313 P337+P313 P362 P363 P390 P391 P405 P406 P501
MASTER NAME:	Hydroxylammonium Chloride
SYNONYMS LONG TEXT:	Hydroxylamine Hydrochloride
EINECS:	226-798-2
CS:	2825 10 00 90
INDEX NR.:	612-123-00-2

Hydroxylammonium Chloride pure

Hydroxylamine Hydrochloride

Assay (Perm.): 99%

CODE	**141914**
CAS	**5470-11-1**
MOLECULAR FORMULA	**$(NH_3OH)Cl$**
MOLAR MASS	**69.49 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141914.1209	PACKAGING SIZE 250 g	Product active until stock lasts.
	CODE 141914.1211	PACKAGING SIZE 1000 g	

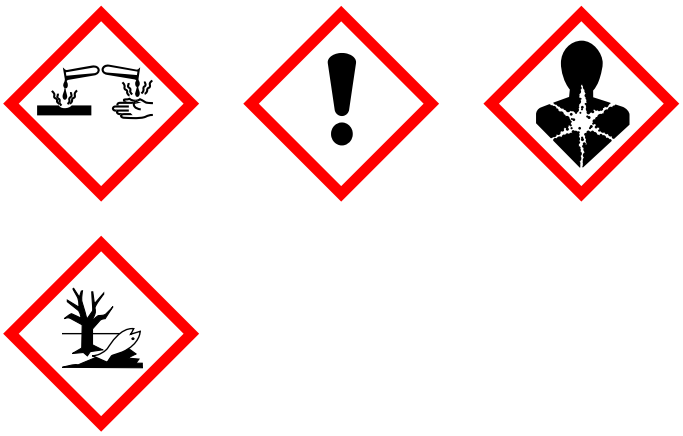
Technical data

MELTING POINT:	151 °C
SOLUBILITY:	water 1,000 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141914
PRODUCT NAME:	Hydroxylammonium Chloride pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Perm.): 99% Acidity: 0.5 meq/g Insoluble matter in H2O: 0.01 % Residue on ignition (as SO4): 0.2 % Sulfate (SO4): 0.05% As: 0.0001 % Cu: 0.002 % Fe: 0.002 % Ni: 0.002 % Pb: 0.002 %

HAZARD PICTOGRAMS



UN:	1759
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05 GHS07 GHS08 GHS09
H PHRASES:	H290

	H351 H312 H302 H373 H319 H315 H317 H400
P PHRASES:	P201 P202 P234 P260 P261 P264 P270 P272 P273 P280 P281 P301+P312 P302+P352 P305+P351+P338 P308+P313 P312 P314 P321 P322 P330 P332+P313 P333+P313 P337+P313 P362 P363 P390 P391 P405 P406 P501

MASTER NAME:	Hydroxylammonium Chloride
SYNONYMS LONG TEXT:	Hydroxylamine Hydrochloride
EINECS:	226-798-2

CS:	2825 10 00 90
INDEX NR.:	612-123-00-2

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**

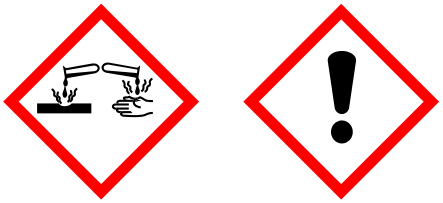
Packs sizes (1)

	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): ≤ 0.004% * Al: ≤ 0,005 % As: ≤0,0005 % Cd: ≤0,0001 %

Co: ≤0,0002 %
Cr: ≤0,001 %
Cu: ≤0,001 %
Hg: ≤0,000 001 %
Ir: ≤0,001 %
Li: ≤0,01 %
Mn: ≤0,005 %
Mo: ≤0,002 %
Ni: ≤0,001 %
Os: ≤0,001 %
Pb: ≤0,0002 %
Pd: ≤0,001 %
Pt: ≤0,001 %
Rh: ≤0,001 %
Ru: ≤0,001 %
Sb: ≤0,004 %
V: ≤0,0004 %
Zn: ≤0,001 %
This solution is suitable as raw material for the pharmaceutical industry.
* Specifications analyzed according to $FeCl_3$ $6H_2O$ 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(III) Chloride anhydrous, 97% for synthesis

Ferric Chloride, Flores martis, Iron Sesquichloride, Iron Trichloride

Minimum assay (Iodom.): 97%

CODE	**15A813**
CAS	**7705-08-0**
MOLECULAR FORMULA	**$FeCl_3$**
MOLAR MASS	**162.21 g/mol**

Packs sizes (1)

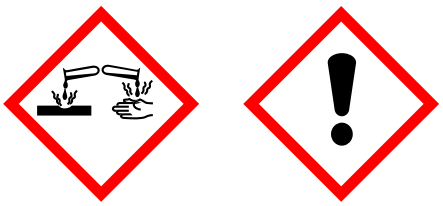
	CODE	PACKAGING SIZE	
	CODE 15A813.1609	PACKAGING SIZE 250 g	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	305 °C
BOILING POINT:	315 °C
SOLUBILITY:	water 920 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid Black to dark grey crystalline powder turning orange on exposure to moist air
PRODUCT CODE:	15A813
PRODUCT NAME:	Iron(III) Chloride anhydrous, 97% for synthesis

QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Iodom.): 97%

HAZARD PICTOGRAMS



UN:	1773
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
H PHRASES:	H302 H314 H412
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 P273
MASTER NAME:	Iron(III) Chloride anhydrous
SYNONYMS LONG TEXT:	Ferric Chloride, Flores martis, Iron Sesquichloride, Iron Trichloride
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	**$FeSO_4.7H_2O$**
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	

Technical data

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

Iron(II) Sulfate 7-hydrate *BioChemica*

Assay (titr.): min. 99.5 %

CODE	**A1035**
CAS	**7782-63-0**
MOLECULAR FORMULA	**$FeSO_4 \cdot 7H_2O$**
MOLAR MASS	**278.02 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A1035,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.

Technical data

SOLUBILITY:	400 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1035
PRODUCT NAME:	Iron(II) Sulfate 7-hydrate *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99.5 % pH (5 %; H_2O; 25°C): 3.0 - 4.0 Heavy metals (as Pb): max. 0.005 % Insoluble matter: passes test Chloride: max. 0.001 % Phosphate: max. 0.001 % Fe(III): max. 0.02 % N: max. 0.001 %

HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H315 H319
P PHRASES:	P264 P270 P280 P301+P312 P302+P352 P501
EINECS:	231-753-5
CS:	28332980
INDEX NR.:	026-003-01-4

Iron(II) Sulfate 7-hydrate (Reag. USP) for analysis, ACS

Green Vitriol

Minimum assay (Perm.): 99.0%

CODE	**131362**
CAS	**7782-63-0**
MOLECULAR FORMULA	**$FeSO_4.7H_2O$**
MOLAR MASS	**278.02 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131362.1210	PACKAGING SIZE 500 g
	CODE 131362.1211	PACKAGING SIZE 1000 g
	CODE 131362.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	64 °C
SOLUBILITY:	water 400 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131362
PRODUCT NAME:	Iron(II) Sulfate 7-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Perm.): 99.0% pH of 5% solution: 3-4 **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% Phosphate (PO4): 0.0005 % Fe(III): 0.1% As: 0.00004 % **Metals by ICP [in mg/Kg (ppm)]** Be: 10 Bi: 10 Ca: 50 Cd: 50 Co: 20 Cr: 80 Cu: 10 Hg: 10 K: 20 Mg: 20 Mn: 300 Mo: 10 Na: 20 Ni: 50 Pb: 5 Sr: 10 Ti: 10 Zn: 20
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

L-Arginine Hydrochloride *BioChemica*

Assay (titr.): min. 99 %

CODE	**A3709**
CAS	**1119-34-2**
MOLECULAR FORMULA	**$C_6H_{14}N_4O_2 \cdot HCl$**
MOLAR MASS	**210.66 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A3709,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	900 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3709
PRODUCT NAME:	L-Arginine Hydrochloride *BioChemica*
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr.): min. 99 % α20°C/D; 8 %, 6 M HCl: +21.4° - +23.5° Heavy metals (as Pb): max. 0.001 % Ammonia: max. 0.1 % Other amino acids: max. 0.5 %

	Sulfate: max. 0.02 % A (1 cm/0.1 M in H_2O) 260 nm: max. 0.2 280 nm: max. 0.1
WGK:	1
STORAGE:	RT
EINECS:	214-275-1
CS:	29224985

L(+)-Lactic Acid Lithium Salt crystalline *BioChemica*

Assay (titr.): min. 99 %

CODE	**A0982**
CAS	**27848-80-2**
MOLECULAR FORMULA	**$C_3H_5LiO_3$**
MOLAR MASS	**96.01 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A0982,9025	PACKAGING SIZE 25 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A0982
PRODUCT NAME:	L(+)-Lactic Acid Lithium Salt crystalline *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % Solubility (1 %; H_2O): clear, colorless α20°C/D; 4 %, H_2O: -15.0° - -13.0° Water: max. 2 %
WGK:	1

STORAGE:	RT
EINECS:	248-692-5
CS:	29181100

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 (H_2O)
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 %
α20°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 %
α20°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

Iron(III) Sulfate x-hydrate ~ 75% pure

CODE	**141360**
CAS	**10028-22-5**
MOLECULAR FORMULA	**$Fe_2(SO_4)_3.xH_2O$**
MOLAR MASS	**399.87 (anh) g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141360.1210	PACKAGING SIZE 500 g
	CODE 141360.1214	PACKAGING SIZE 5 kg

ⓘ Technical data

SOLUBILITY:	Very slightly soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141360
PRODUCT NAME:	Iron(III) Sulfate x-hydrate ~ 75% pure
QUALITY NAME:	pure
SPECIFICATIONS:	Chloride (Cl): 0.03% Fe(II): 0.1% Nitrate (NO3): 0.05%

	Cu: 0.01 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Iron(III) Sulphate x-hydrate~ 75%
EINECS:	233-072-9
CS:	2833 29 80 80

Iron(III) Nitrate 9-hydrate pure

Assay (Iodom.): 98%

CODE	**141297**
CAS	**7782-61-8**
MOLECULAR FORMULA	**$Fe(NO_3)_3.9H_2O$**
MOLAR MASS	**404.00 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141297.1211	PACKAGING SIZE 1000 g
	CODE 141297.1214	PACKAGING SIZE 5 kg

Technical data

MELTING POINT:	47 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141297
PRODUCT NAME:	Iron(III) Nitrate 9-hydrate pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Iodom.): 98% Insoluble matter in H2O: 0.05 % Chloride (Cl): 0.005% Sulfate (SO4): 0.02% Fe(II): 0.01% Ca: 0.02 % Cu: 0.005 % Mg: 0.02 % Pb: 0.005 % Zn: 0.01 %
HAZARD PICTOGRAMS	
UN:	1466
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
STORAGE:	Storage between +2 and +8°C .
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P305+P351+P338 P310

	P363 P304+P340 P321 P405 P501
MASTER NAME:	Iron(III) Nitrate 9-hydrate
EINECS:	233-899-5
CS:	2834 29 80 00

Lanthanum(III) Nitrate 6-hydrate (Reag. Ph. Eur.) for analysis

Minimum assay (Compl.): 99%

CODE	**122669**
CAS	**10277-43-7**
MOLECULAR FORMULA	**$La(NO_3)_3.6H_2O$**
MOLAR MASS	**433.02 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 122669.1208	PACKAGING SIZE 100 g

Technical data

MELTING POINT:	40 °C
BOILING POINT:	126 °C
SOLUBILITY:	water 1,580 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	122669
PRODUCT NAME:	Lanthanum(III) Nitrate 6-hydrate (Reag. Ph. Eur.) for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:	Minimum assay (Compl.): 99% **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.005% Sulfate (SO4): 0.002% Ca: 0.005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.005 % Mg: 0.0005 % Na: 0.01 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
HAZARD PICTOGRAMS	
UN:	1477
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 GHS05
H PHRASES:	H272 H318
P PHRASES:	P305+P351+P338

P313

MASTER NAME:	Lanthanum(III) Nitrate 6-hydrate
EINECS:	233-238-0
CS:	2846 90 40 00

Lanthanum(III) Chloride 7-hydrate for analysis

Minimum assay (Compl.): 98.0%

CODE	**122848**
CAS	**10025-84-0**
MOLECULAR FORMULA	**$LaCl_3.7H_2O$**
MOLAR MASS	**371.37 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 122848.1208	PACKAGING SIZE 100 g	Product active until stock lasts.

Technical data

MELTING POINT:	91 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	122848
PRODUCT NAME:	Lanthanum(III) Chloride 7-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Compl.): 98.0%
	Maximum limit of impurities

	Insoluble matter in H2O: 0.005 % Sulfate (SO4): 0.005% Ca: 0.005 % Cu: 0.0003 % Fe: 0.0005 % K: 0.005 % Mg: 0.0003 % Na: 0.01 % Pb: 0.0005 % Zn: 0.001 %
WGK:	2
STORAGE:	Room Temperature.
MASTER NAME:	Lanthanum(III) Chloride 7-hydrate
EINECS:	233-237-5
CS:	2846 90 10 20

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	**$C_5H_{12}N_2O_2 \cdot HCl$**
MOLAR MASS	**168.62 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1343,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	100 g/L (H_2O)
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 % α20°C/D; 4 %, 6 M HCl: +23° - +25°

	Appearance of solution: passes test Identity: passes test pH (2.5 %; H_2O): 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
STORAGE:	RT
EINECS:	221-678-6
CS:	29224985

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 (H_2O)
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-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 (H_2O)
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 % α25°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 % α20°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

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

Assay (Compl.): 98.0-101.0%

CODE	**141396**
CAS	**7791-18-6**
MOLECULAR FORMULA	**$MgCl_2.6H_2O$**
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

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

Leupeptin Hemisulfate

Assay (HPLC): min. 96.5 %

CODE	**A2183**
CAS	**103476-89-7**
MOLECULAR FORMULA	**$C_{20}H_{38}N_6O_4 \cdot ½H_2SO_4$**
MOLAR MASS	**475.60 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A2183,0010	PACKAGING SIZE 10 mg
	CODE A2183,0100	PACKAGING SIZE 100 mg
	CODE A2183,9001	PACKAGING SIZE 1 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2183
PRODUCT NAME:	Leupeptin Hemisulfate
SPECIFICATIONS:	Assay (HPLC): min. 96.5 %

	Solubility (1 %; H_2O): clear
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	-20°C
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07 GHS08
H PHRASES:	H302+H312+H332 H341
P PHRASES:	P261 P280 P301+P312 P304+P340 P405 P501
CS:	29419000

Lead(II) Nitrate (Reag. USP, Ph. Eur.) for analysis, ACS

Minimum assay (Compl.): 99.0%

CODE	**131473**
CAS	**10099-74-8**
MOLECULAR FORMULA	**$Pb(NO_3)_2$**
MOLAR MASS	**331.20 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131473.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	470 °C
SOLUBILITY:	water 525 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131473
PRODUCT NAME:	Lead(II) Nitrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Compl.): 99.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Chloride (Cl): 0.001%

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 5
As: 5
Au: 5
B: 5
Be: 5
Bi: 5
Ca: 50
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 5
Ga: 5
Ge: 5
Hg: 5
In: 5
K: 20
Li: 5
Mn: 5
Mo: 5
Na: 20
Ni: 5
Pt: 5
Sb: 5
Si: 5
Sn: 5
Sr: 5
Ti: 5
Zn: 5
Zr: 5

HAZARD PICTOGRAMS

UN: 1469

CLASS/PG:	5.1(6.1)/II
ADR:	5.1(6.1)/II
IMDG:	5.1(6.1)/II
IATA:	5.1(6.1)/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS07 GHS09
H PHRASES:	H360Df H332 H302 H373 H410
P PHRASES:	P202 P260 P261 P264 P270 P271 P273 P281 P301+P312 P304+P340 P308+P313 P312 P314 P330 P391 P501

MASTER NAME:	Lead(II) Nitrate
EINECS:	233-245-9

CS:	2834 29 20 00
INDEX NR.:	082-001-00-6

Lead(II) Acetate 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Assay (Compl.): 99.5-103.0 %

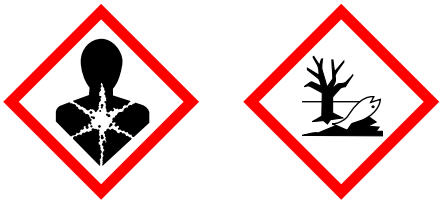
CODE	**131466**
CAS	**6080-56-4**
MOLECULAR FORMULA	**$Pb(CH_3COO)_2.3H_2O$**
MOLAR MASS	**379.33 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131466.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	71 °C
SOLUBILITY:	water 410 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131466
PRODUCT NAME:	Lead(II) Acetate 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Compl.): 99.5-103.0 %

	Maximum limit of impurities Insoluble matter in CH3COOH: 0.005 % Chloride (Cl): 0.0005% Nitrate and nitrite (as NO3): 0.002% Ca: 0.005 % Cd: 0.001 % Co: 0.001 % Cu: 0.001 % Fe: 0.001 % K: 0.005 % Mg: 0.005 % Na: 0.01 % Ni: 0.001 % Zn: 0.001 %
HAZARD PICTOGRAMS	
UN:	1616
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS09
H PHRASES:	H360Df H373 H410
P PHRASES:	P201

	P202 P260 P273 P281 P501 P308+P313 P314 P391 P405
MASTER NAME:	Lead(II) Acetate 3-hydrate
EINECS:	206-104-4
CS:	2915 29 00 90
INDEX NR.:	082-005-00-8

Lanthanum Nitrate 0.1 mol/l (0.1N) volumetric solution

CODE

187042

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 187042.1211	PACKAGING SIZE 1 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	187042
PRODUCT NAME:	Lanthanum Nitrate 0.1 mol/l (0.1N) volumetric solution
SPECIFICATIONS:	Factor limits: 0.995 - 1.005
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05

H PHRASES:	H318
P PHRASES:	P280 P305+P351+P338 P310
CS:	38221900

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	**$MgSO_4.xH_2O$**
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.

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 Nitrate 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Compl.): 98.0-102.0%

CODE	**131402**
CAS	**13446-18-9**
MOLECULAR FORMULA	**$Mg(NO_3)_2.6H_2O$**
MOLAR MASS	**256.41 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131402.1211	PACKAGING SIZE 1000 g	
	CODE 131402.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 131402.1211 (please check specifications).

Technical data

MELTING POINT:	90 °C
SOLUBILITY:	water 420 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131402
PRODUCT NAME:	Magnesium Nitrate 6-hydrate (Reag. USP, Ph. Eur.)

for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 98.0-102.0% pH of 5% solution: 5.0-8.2 Maximum limit of impurities Acidity (as HNO_3): 0.005% Alkalinity: 0.001 % Insoluble matter in H_2O: 0.003 % Chloride (Cl): 0.001% Ammonium (NH_4): 0.003% Phosphate (PO_4): 0.0005 % Sulfate (SO_4): 0.002% As: 0.0001 % Heavy Metals (ICP-OES): 0.0005 % Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Ba: 20 Be: 5 Ca: 100 Co: 5 Cr: 5 Cu: 5 Fe: 2 Ga: 10 Ge: 5 K: 50 Mn: 5 Mo: 5 Na: 50 Ni: 5 Pb: 5 Sb: 5 Si: 5 Sr: 20 Ti: 5

HAZARD PICTOGRAMS	
UN:	1474
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:	Magnesium Nitrate 6-hydrate
EINECS:	233-826-7
CS:	2834 29 80 00

Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) food grade

Magnesium Phosphate secondary

Assay (as Mg2P2O7) a.i.s., not less than: 96.0%

CODE	**201927**
CAS	**7782-75-4**
MOLECULAR FORMULA	**$MgHPO_4.3H_2O$**
MOLAR MASS	**174.34 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201927.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 0.25 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201927
PRODUCT NAME:	Magnesium Hydrogen Phosphate 3-hydrate (E-343ii, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as Mg2P2O7) a.i.s., not less than: 96.0% Identity

	Phosphate: passes test Magnesium: passes test Appearance: passes test MgO content, a.a.s.: 33.0% Loss on ignition: 29.0-36.0 % Fluoride, not more than: 10 ppm Arsenic (as As), not more than: 1 ppm Cadmium, not more than: 1 ppm Mercury, not more than: 1 ppm Lead, not more than: 1 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Magnesium Hydrogen Phosphate 3-hydrate
SYNONYMS LONG TEXT:	Magnesium Phosphate secondary
EINECS:	231-823-5
CS:	2835 29 90 00

Magnesium Chloride 6-hydrate (Ph. Eur., BP) IPEC grade

Assay (Compl.): 98.0 - 101.0 %

CODE	**631396**
CAS	**7791-18-6**
MOLECULAR FORMULA	**$MgCl_2.6H_2O$**
MOLAR MASS	**203.30 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 631396.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	117 °C
SOLUBILITY:	water 1,670 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	631396
PRODUCT NAME:	Magnesium Chloride 6-hydrate (Ph. Eur., BP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (Compl.): 98.0 - 101.0 % Identity according to Pharmacopoeias:

	Chloride: passes test Magnesium: passes test Maximum limit of impurities Appearance of solution: passes test Appearance Clear < formazin I: passes test Appearance Colourless: passes test Acidity or alkalinity (< 0.3 ml HCl or NaOH 0.01N): passes test Bromide (Br): 0.05 % Sulfate (SO4): 0.01% Residual solvents (Ph.Eur.): passes test Water (H2O): 51.0 - 55.0 % Ca: 0.1 % Fe: 0.001%
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Magnesium Chloride 6-hydrate
EINECS:	232-094-6
CS:	2827 31 00 00

Magnesium Chloride 6-hydrate (Reag. USP) for analysis, ACS, ISO

Assay (Compl.): 99.0-102.0%

CODE	**131396**
CAS	**7791-18-6**
MOLECULAR FORMULA	**$MgCl_2.6H_2O$**
MOLAR MASS	**203.30 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131396.1210	PACKAGING SIZE 500 g
	CODE 131396.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	117 °C
SOLUBILITY:	water 1,670 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131396
PRODUCT NAME:	Magnesium Chloride 6-hydrate (Reag. USP) for analysis, ACS, ISO

QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Compl.): 99.0-102.0% pH of 5% solution: 5.0-6.5

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Nitrogen compounds (as N): 0.002%
Ammonium (NH4): 0.002%
Phosphate (PO4): 0.0005 %
Sulfate (SO4): 0.002%
Nitrate (NO3): 0.001%
As: 0.00005 %
Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Au: 5
Ba: 20
Be: 5
Bi: 5
Ca: 100
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 5
Ga: 5
Ge: 5
Hg: 5
In: 5
K: 50
Mn: 5
Mo: 5
Na: 50
Ni: 5
Pb: 5
Si: 5
Sr: 50
Ti: 5
Tl: 5
V: 5
Zn: 10
Zr: 5

WGK:	nwg
STORAGE:	Room Temperature.

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

Magnesium Sulphate anhydrous pure

Assay (Complex.): 98 %

CODE	**142486**
CAS	**7487-88-9**
MOLECULAR FORMULA	**$MgSO_4$**
MOLAR MASS	**120.37 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 142486.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	1,124 °C
SOLUBILITY:	water 269 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142486
PRODUCT NAME:	Magnesium Sulphate anhydrous pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Complex.): 98 % Loss on drying at 650°C: 1 % Ca (as CaSO4): 0.5 % Heavy metals (as Pb): 0.005 %

	Use this product as drying agent only. Do not prepare reagents with this product. Synthetic product of mineral origin.
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Magnesium Sulphate anhydrous
EINECS:	231-298-2
CS:	2833 21 00 00

Magnesium Sulfate anhydrous technical grade

Assay (Compl.): 96%

CODE	**212486**
CAS	**7487-88-9**
MOLECULAR FORMULA	**$MgSO_4$**
MOLAR MASS	**120.37 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 212486.1211	PACKAGING SIZE 1000 g
	CODE 212486.1214	PACKAGING SIZE 5 kg

Technical data

MELTING POINT:	1,124 °C
SOLUBILITY:	water 269 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	212486
PRODUCT NAME:	Magnesium Sulfate anhydrous technical grade

QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Compl.): 96%
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Magnesium Sulphate anhydrous
EINECS:	231-298-2
CS:	2833 21 00 00

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	**$MgSO_4.7H_2O$**
MOLAR MASS	**246.48 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141404.1211	PACKAGING SIZE 1000 g
	CODE 141404.0914	PACKAGING SIZE 5 kg
	CODE 141404.0416	PACKAGING SIZE 25 kg

ⓘ 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 7-hydrate (Reag. USP) for analysis, ACS

Epsom Salt

Assay (Compl.): 99.5-102.0%

CODE	**131404**
CAS	**10034-99-8**
MOLECULAR FORMULA	**$MgSO_4.7H_2O$**
MOLAR MASS	**246.48 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131404.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131404.1211	PACKAGING SIZE 1000 g	
	CODE 131404.0914	PACKAGING SIZE 5 kg	Product active until stock lasts.
	CODE 131404.0416	PACKAGING SIZE 25 kg	

Technical data

SOLUBILITY:	water 710 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131404
PRODUCT NAME:	Magnesium Sulfate 7-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 99.5-102.0% Identity: passes test pH of 5% solution: 5.0-7.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Ammonium (NH4): 0.002% Phosphate (PO4): 0.001 % Nitrate (NO3): 0.001% As: 0.00005 % Heavy Metals (ICP-OES): 0.0005 % Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Au: 5 B: 5 Be: 5 Bi: 5 Ca: 40 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 5 Ga: 5 Ge: 5 In: 5 K: 50 Li: 5 Mn: 1

	Mo: 5 Na: 50 Ni: 5 Pb: 5 Sb: 5 Se: 5 Si: 5 Sn: 5 Sr: 50 Ti: 5 Zn: 5 Zr: 5
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 7-hydrate (F.C.C.) food grade

Epsom Salt

Assay (MgSO4) after ignition, not less than: 99.5%

CODE	**201404**
CAS	**10034-99-8**
MOLECULAR FORMULA	**$MgSO_4.7H_2O$**
MOLAR MASS	**246.48 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 201404.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

SOLUBILITY:	water 710 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201404
PRODUCT NAME:	Magnesium Sulfate 7-hydrate (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (MgSO4) after ignition, not less than: 99.5% Identity

	Sulfate: passes test Magnesium: passes test Appearance: passes test Loss on ignition: 40.0-52.0 % Lead, not more than: 4 ppm Selenium, not more than: 0.003% Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
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

Manganese(II) Sulfate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS

Assay (Compl.): 98.0-101.0%

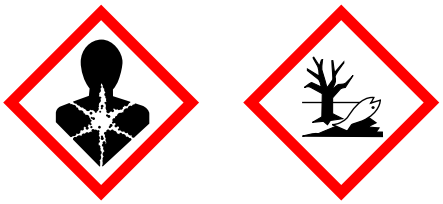
CODE	**131413**
CAS	**10034-96-5**
MOLECULAR FORMULA	**$MnSO_4.H_2O$**
MOLAR MASS	**169.01 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131413.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131413.1211	PACKAGING SIZE 1000 g	

Technical data

MELTING POINT:	117 °C
SOLUBILITY:	water 762 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131413
PRODUCT NAME:	Manganese(II) Sulfate 1-hydrate (Reag. Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 98.0-101.0% **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Reducing substance to KMnO4 (as O): 0.0005 % Loss on ignition: 10.0-12.0 % Chloride (Cl): 0.005% Heavy Metals (ICP-OES): 0.002 % Ca: 0,005 % Cu: 0,0005 % Fe: 0,002 % K: 0,01 % Mg: 0,005 % Na: 0,05 % Ni: 0,02 % Pb: 0,001 % Zn: 0,005 %
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:	GHS08 GHS09

H PHRASES:	H373 H411
P PHRASES:	P260 P273 P314 P391 P501

MASTER NAME:	Manganese(II) Sulphate 1-hydrate
EINECS:	232-089-9
CS:	2833 29 80 20
INDEX NR.:	025-003-00-4

Manganese(II) Sulfate 1-hydrate (F.C.C.) food grade

Assay (MnSO4.H2O): 98.0-102.0%

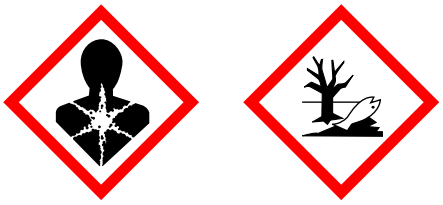
CODE	**201413**
CAS	**10034-96-5**
MOLECULAR FORMULA	**$MnSO_4.H_2O$**
MOLAR MASS	**169.01 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 201413.1214	PACKAGING SIZE 5 kg

Technical data

MELTING POINT:	117 °C
SOLUBILITY:	water 762 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201413
PRODUCT NAME:	Manganese(II) Sulfate 1-hydrate (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (MnSO4.H2O): 98.0-102.0% Identity

	Sulfate: passes test Manganese: passes test Appearance: passes test Loss on ignition: 10.0-13.0 % Arsenic, not more than: 3 ppm Lead, not more than: 4 ppm Selenium, not more than: 0.003% Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
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:	GHS08 GHS09
H PHRASES:	H373 H411
P PHRASES:	P260 P273 P314 P391 P501

MASTER NAME:	Manganese(II) Sulphate 1-hydrate
EINECS:	232-089-9
CS:	2833 29 80 20
INDEX NR.:	025-003-00-4

Manganese(II) Nitrate 4-hydrate for analysis

Minimum assay (Compl.): 98%

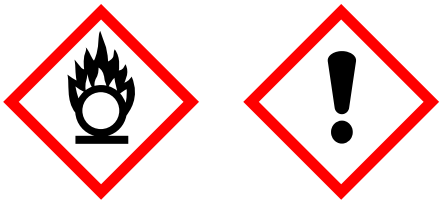
CODE	**123224**
CAS	**20694-39-7**
MOLECULAR FORMULA	**$Mn(NO_3)_2.4H_2O$**
MOLAR MASS	**251.01 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 123224.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	37 °C
SOLUBILITY:	water 3,800 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	123224
PRODUCT NAME:	Manganese(II) Nitrate 4-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Compl.): 98%
	Maximum limit of impurities

	Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.005% Ammonium (NH4): 0.05% Sulfate (SO4): 0.005% Ca: 0.005 % Cd: 0.0005 % Cu: 0.0005 % Fe: 0.001 % K: 0.01 % Mg: 0.005 % Na: 0.05 % Ni: 0.002 % Pb: 0.001 % Zn: 0.005 %
HAZARD PICTOGRAMS	
UN:	2724
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	1
STORAGE:	Not recommended in areas with a very hot climate
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07
H PHRASES:	H272 H315 H319 H335

P PHRASES:	P210 P280 P305+P351+P338 P403+P233 P405 P501

MASTER NAME:	Manganese(II) Nitrate 4-hydrate
EINECS:	233-828-8
CS:	2834 29 80 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	**$MnCl_2.4H_2O$**
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

Manganese(II) Chloride 4-hydrate for analysis, ACS

Assay (Compl.): 98.0-101.0%

CODE	**131410**
CAS	**13446-34-9**
MOLECULAR FORMULA	**$MnCl_2.4H_2O$**
MOLAR MASS	**197.91 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 131410.1210	PACKAGING SIZE 500 g

Technical data

MELTING POINT:	58 °C
SOLUBILITY:	water 1,980 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131410
PRODUCT NAME:	Manganese(II) Chloride 4-hydrate for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 98.0-101.0% pH of 5% solution: 3.5-6.0

	Maximum limit of impurities Insoluble matter in H2O: 0.005 % Sulfate (SO4): 0.005% Oxidizing and reducing substances (as I): 0.0065% Non-precipit. substances by S(NH4)2: 0.2 % Heavy Metals (ICP-OES): 0.0005 % Ca: 0,005 % Cu: 0,0005 % Fe: 0,0005 % K: 0,01 % Mg: 0,005 % Na: 0,02 % Ni: 0,002 % Pb: 0,0005 % Zn: 0,005 %
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

Mercury(II) Sulfate (Reag. USP) for analysis, ACS

Mercuric Bisulphate

Minimum assay: 99%

CODE	**132166**
CAS	**7783-35-9**
MOLECULAR FORMULA	**$HgSO_4$**
MOLAR MASS	**296.65 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 132166.1208	PACKAGING SIZE 100 g
	CODE 132166.1209	PACKAGING SIZE 250 g

Technical data

SOLUBILITY:	Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	132166
PRODUCT NAME:	Mercury(II) Sulfate (Reag. USP) for analysis, ACS

QUALITY NAME:	for analysis, ACS
HEADLINE COMMENT:	for determination of COD
SPECIFICATIONS:	Minimum assay: 99% Identity: passes test Suitability: for determination of COD according to UNE 77-004-02: passes test Maximum limit of impurities Chloride (Cl): 0.003% Residue after reduction: 0.02 % Hg (I): 0.1 % Nitrate (NO_3): passes test Cd: 0.001 % Cu: 0.001 % Fe: 0.003 % Ni: 0.001 % Pb: 0.001 % Zn: 0.001 %

HAZARD PICTOGRAMS

UN:	1645
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS08

	GHS09
H PHRASES:	H330 H310 H300 H373 H410
P PHRASES:	P260 P262 P264 P270 P271 P501 P273 P280 P284 P301+P310 P302+P350 P304+P340 P310 P314 P320 P321 P322 P330 P361 P363 P391 P403+P233 P405

MASTER NAME:	Mercury(II) Sulphate
SYNONYMS LONG TEXT:	Mercuric Bisulphate
EINECS:	231-992-5
CS:	2852 10 00 00
INDEX NR.:	080-002-00-6

Mercury(II) Sulfate pure

Mercuric Bisulphate

Assay (Compl.): 98%

CODE	**142166**
CAS	**7783-35-9**
MOLECULAR FORMULA	**$HgSO_4$**
MOLAR MASS	**296.65 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 142166.1209	PACKAGING SIZE 250 g	Product active until stock lasts.
	CODE 142166.1211	PACKAGING SIZE 1000 g	Product discontinued. Alternative 132166.1209 (please check specifications).

ⓘ Technical data

SOLUBILITY:	Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142166
PRODUCT NAME:	Mercury(II) Sulfate pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Compl.): 98% Identity: passes test Insoluble matter in H2SO4: 0.01 % Chloride (Cl): 0.005% Hg (I): 0.2% Cu: 0.005 % Fe: 0.005 % Ni: 0.005 % Pb: 0.005 %
HAZARD PICTOGRAMS	
UN:	1645
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS08 GHS09
H PHRASES:	H330 H310 H300 H373 H410
P PHRASES:	P260 P262

	P264 P270 P271 P501 P273 P280 P284 P301+P310 P302+P350 P304+P340 P310 P314 P320 P321 P322 P330 P361 P363 P391 P403+P233 P405
MASTER NAME:	Mercury(II) Sulphate
SYNONYMS LONG TEXT:	Mercuric Bisulphate
EINECS:	231-992-5
CS:	2852 10 00 00
INDEX NR.:	080-002-00-6

Mercury(II) Nitrate 0.05 mol/l (0.1N) volumetric solution

CODE	**181424**
CAS	**10045-94-0**
MOLECULAR FORMULA	**$Hg(NO_3)_2$**
MOLAR MASS	**324.63 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181424.1611	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.014 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181424
PRODUCT NAME:	Mercury(II) Nitrate 0.05 mol/l (0.1N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Diphenylcarbazone mixed
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS	
UN:	2922
CLASS/PG:	8(6.1)/III
ADR:	8(6.1)/III
IMDG:	8(6.1)/III
IATA:	8(6.1)/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS08 GHS05
H PHRASES:	H331 H311 H302 H373 H412 H290 H315 H319
P PHRASES:	P260 P280 P305+P351+P338 P403+P233 P405 P501
MASTER NAME:	Mercury(II) Nitrate 0,05 mol/l *(0,1N)
EINECS:	233-152-3

CS:	2852 10 00 00
INDEX NR.:	080-002-00-6

Mercury(II) Iodide red for analysis

Mercury Biiodide

Minimum assay (Arg.): 99%

CODE	**121428**
CAS	**7774-29-0**
MOLECULAR FORMULA	**HgI_2**
MOLAR MASS	**454.40 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 121428.1208	PACKAGING SIZE 100 g

Technical data

MELTING POINT:	259 °C
BOILING POINT:	354 °C
SOLUBILITY:	Insoluble in water
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121428
PRODUCT NAME:	Mercury(II) Iodide red for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Arg.): 99%

	Maximum limit of impurities Insoluble matter in lK: passes test Residue on ignition (as SO4): 0.05 % Soluble mercury salts (as Hg): 0.05% Hg (I): 0.1% Cu: 0.001 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
UN:	1638
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS08 GHS09
H PHRASES:	H330 H310 H300 H373 H410
P PHRASES:	P260 P262 P264 P270

	P271 P501 P273 P280 P284 P301+P310 P302+P350 P304+P340 P310 P314 P320 P321 P322 P330 P361 P363 P391 P403+P233 P405
MASTER NAME:	Mercury(II) Iodide *red
SYNONYMS LONG TEXT:	Mercury Biiodide
EINECS:	231-873-8
CS:	2852 10 00 00
INDEX NR.:	080-002-00-6

Mercury(II) Chloride (Reag. USP) for analysis, ACS

Mercury Bichloride

Minimum assay (Compl.): 99.5%

CODE	**131419**
CAS	**7487-94-7**
MOLECULAR FORMULA	**$HgCl_2$**
MOLAR MASS	**271.50 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131419.1208	PACKAGING SIZE 100 g	Product active until stock lasts.
	CODE 131419.1209	PACKAGING SIZE 250 g	

Technical data

MELTING POINT:	277 °C
BOILING POINT:	302 °C
SOLUBILITY:	water 74 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131419

PRODUCT NAME:	Mercury(II) Chloride (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Compl.): 99.5% **Maximum limit of impurities** Insoluble matter in H2O: 0.01 % Insoluble matter in C2H5OC2H5: 0.01 % Residue after reduction: 0.02 % Nitrate (NO3): 0.0005% Cu: 0.001 % Fe: 0.002 % K: 0.005 % Mg: 0.001 % Pb: 0.001 %

HAZARD PICTOGRAMS

UN:	1624
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS05

H PHRASES:	GHS08 GHS09 H300+H310 H314 H372 H361f H341 H410
P PHRASES:	P201 P202 P260 P264 P270 P501 P273 P280 P281 P301+P310 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P308+P313 P310 P314 P321 P330 P338 P363 P391 P405

MASTER NAME:	Mercury(II) Chloride
SYNONYMS LONG TEXT:	Mercury Bichloride
EINECS:	231-299-8
CS:	2852 10 00 00
INDEX NR.:	080-010-00-X

NADPH Tetrasodium Salt

Assay (enzym.): min. 95 %

CODE	**A1395**
CAS	**2646-71-1**
MOLECULAR FORMULA	**$C_{21}H_{26}N_7Na_4O_{17}P_3$**
MOLAR MASS	**833.35 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A1395,0100	PACKAGING SIZE 100 mg
	CODE A1395,0500	PACKAGING SIZE 500 mg
	CODE A1395,0001	PACKAGING SIZE 1 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1395
PRODUCT NAME:	NADPH Tetrasodium Salt
SPECIFICATIONS:	Assay (enzym.): min. 95 %

	Water (K.F.): max. 8.0 % UV Absorption A340/A260 (pH 10): 0.43 ± 0.01
WGK:	1
STORAGE:	-20°C protected from light
EINECS:	220-163-3
CS:	29349990

NADP Sodium Salt

Assay (enzym.): min. 97 %

CODE	**A1394**
CAS	**1184-16-3**
MOLECULAR FORMULA	**$C_{21}H_{27}N_7NaO_{17}P_3$**
MOLAR MASS	**765.39 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A1394,0001	PACKAGING SIZE 1 g
	CODE A1394,0005	PACKAGING SIZE 5 g
	CODE A1394,9050	PACKAGING SIZE 50 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1394
PRODUCT NAME:	NADP Sodium Salt
SPECIFICATIONS:	Assay (enzym.): min. 97 %

	Water (K.F.): max. 6.0 % UV Absorption A250/A260 (pH 7.5): 0.83 ± 0.03 A280/A260 (pH 7.5): 0.21 ± 0.02
WGK:	1
STORAGE:	-20°C
EINECS:	214-664-6
CS:	29349990

NADH Disodium Salt

Assay (enzym.): min. 95 %

CODE	**A1393**
CAS	**606-68-8**
MOLECULAR FORMULA	**$C_{21}H_{27}N_7Na_2O_{14}P_2$**
MOLAR MASS	**709.41 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A1393,0001	PACKAGING SIZE 1 g
	CODE A1393,0010	PACKAGING SIZE 10 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1393
PRODUCT NAME:	NADH Disodium Salt
SPECIFICATIONS:	Assay (enzym.): min. 95 % Water (K.F.): max. 8.0 % UV Absorption A250/A260 (pH 10): 0.82 ± 0.03 A280/A260 (pH 10): 0.23 ± 0.02

WGK:	1
STORAGE:	-20°C
EINECS:	210-123-3
CS:	29349990

N-Lauroylsarcosine Sodium Salt pure

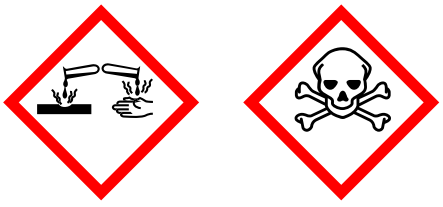
Assay (titr., calc. on dried subst.): min. 97 %

CODE	**A0422**
CAS	**137-16-6**
MOLECULAR FORMULA	**$C_{15}H_{28}NNaO_3$**
MOLAR MASS	**293.39 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A0422,9025	PACKAGING SIZE 25 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A0422
PRODUCT NAME:	N-Lauroylsarcosine Sodium Salt pure
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): min. 97 % Water (K.F.): max. 6 %
HAZARD PICTOGRAMS	

UN:	2811
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS06
H PHRASES:	H315 H317 H318 H330
P PHRASES:	P260 P305+P351+P338 P310 P320 P362+P364 P405 P501

EINECS:	205-281-5
CS:	29241900

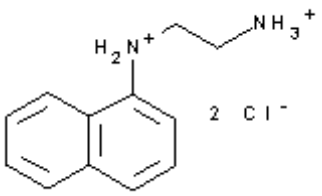
N-(1-Naphthyl) Ethylenediamine Dihydrochloride for analysis, ACS

Assay (calc. on dried subst.): min. 98.0 %

CODE	**132751**
CAS	**1465-25-4**
MOLECULAR FORMULA	**$C_{12}H_{16}Cl_2N_2$**
MOLAR MASS	**259.18 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 132751.1604	PACKAGING SIZE 5 g
	CODE 132751.1606	PACKAGING SIZE 25 g



Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	132751

PRODUCT NAME:	N-(1-Naphthyl) Ethylenediamine Dihydrochloride for analysis, ACS
SPECIFICATIONS:	Assay (calc. on dried subst.): min. 98.0 % Sensitivity for Sulfanilamide: passes test Insoluble matter in H_2O: passes test Identity (IR): passes test Water (K.F.): max. 5 %
HAZARD PICTOGRAMS	
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P261 P280 P305+P351+P338 P403+P233 P405 P501
EINECS:	215-981-2
CS:	29215990

Potassium Acetate for analysis

Acetic Acid Potassium Salt

Minimum assay (Perchl. Ac.): 99.0%

CODE	**121479**
CAS	**127-08-2**
MOLECULAR FORMULA	**CH_3COOK**
MOLAR MASS	**98.15 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 121479.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 141479.1211 (please check specifications).

Technical data

MELTING POINT:	292 °C
SOLUBILITY:	water 2,530 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121479
PRODUCT NAME:	Potassium Acetate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Perchl. Ac.): 99.0% pH of 5% solution: 6.5-9.0

	Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.002% Nitrogen compounds (as N): 0.001% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.005% As: 0.0001 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.005 % Na: 0.25 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
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

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_3COOK**
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

Polyanetholesulphonic Acid Sodium Salt *BioChemica*

CODE	**A9727**
CAS	**55963-78-5**
MOLECULAR FORMULA	**$(C_{10}H_{11}O_4SNa)_n$**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A9727,0025	PACKAGING SIZE 25 g	Product discontinued. Alternative A9727,1000 (please check specifications).
	CODE A9727,1000	PACKAGING SIZE 1 kg	

Technical data

SOLUBILITY:	soluble in alcohol and ether
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A9727
PRODUCT NAME:	Polyanetholesulphonic Acid Sodium Salt *BioChemica*
SPECIFICATIONS:	pH (1 %; 0.85 % NaCl): 5.6 - 7.0 Residue on ignition (as SO_4) calc. on dried subst.: 27.2 - 29.6 %

	Identity (IR): passes test Absorption $\lambda_{max.}$ (0.02 g/L in H_2O): 283 - 285 nm Acetone: max. 0.2 % Ethanol: max. 0.2 % Water: 8.0 - 15.0 % Ca: max. 0.1 % A (1 cm/ 0.02 g/L in H_2O) 283 - 285 nm: 0.14 - 0.20
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P261 P280 P305+P351+P338 P403+P233 P405 P501
CS:	39119099

Phosphoenolpyruvate monopotassium salt *BioChemica*

Assay (enzym.): min. 98 %

CODE	**A2271**
CAS	**4265-07-0**
MOLECULAR FORMULA	**$C_3H_4KO_6P$**
MOLAR MASS	**206.13 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A2271,0250	PACKAGING SIZE 250 mg
	CODE A2271,0005	PACKAGING SIZE 5 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2271
PRODUCT NAME:	Phosphoenolpyruvate monopotassium salt *BioChemica*
SPECIFICATIONS:	Assay (enzym.): min. 98 % Loss on drying: max. 1 %

WGK:	1
STORAGE:	2 - 8°C

EINECS:	224-247-0
CS:	29189990

Naphthol AS-D Chloroacetate *BioChemica*

Assay (HPLC): min. 97 %

CODE	**A4454**
CAS	**35245-26-2**
MOLECULAR FORMULA	**$C_{20}H_{16}ClNO_3$**
MOLAR MASS	**353.81 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A4454,0001	PACKAGING SIZE 1 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A4454
PRODUCT NAME:	Naphthol AS-D Chloroacetate *BioChemica*
SPECIFICATIONS:	Assay (HPLC): min. 97 % Solubility (1 %; Acetone): clear Free naphthol: max. 0.01 %
WGK:	1
STORAGE:	2 - 8°C
EINECS:	252-463-5
CS:	29242970

Potassium Bromide (Reag. USP) for analysis, ACS

Minimum assay (Arg.): 99.5%

CODE	**131489**
CAS	**7758-02-3**
MOLECULAR FORMULA	**KBr**
MOLAR MASS	**119.01 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131489.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	730 °C
BOILING POINT:	1,380 °C
SOLUBILITY:	water 650 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131489
PRODUCT NAME:	Potassium Bromide (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Arg.): 99.5%

pH of 5% solution: 5.5-8.5

Maximum limit of impurities
Insoluble matter in H2O: 0.003 %
Loss on drying at 130°C: 0.2%
Chloride (Cl): 0.1%
Nitrogen compounds (as N): 0.001%
Sulfate (SO4): 0.005%
Iodide (I): 0.001%
Bromate (BrO3): 0.001%
Iodate (IO3): 0.001%
Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]
Al: 5
Au: 5
Ba: 20
Be: 5
Bi: 5
Ca: 10
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 3
Ga: 5
Ge: 5
In: 5
Mg: 5
Mn: 5
Mo: 5
Na: 200
Ni: 5
Pb: 5
Sb: 5
Se: 5
Si: 5
Sn: 5
Sr: 5
Ti: 5
V: 5
Zn: 5
Zr: 5

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Potassium Bromide
EINECS:	231-830-3
CS:	2827 51 00 00

Potassium Bromide for IR

CODE	**331489**
CAS	**7758-02-3**
MOLECULAR FORMULA	**KBr**
MOLAR MASS	**119.01 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 331489.1608	PACKAGING SIZE 100 g	
	CODE 331489.1609	PACKAGING SIZE 250 g	Product discontinued. Alternative 331489.1608 (please check specifications).

Technical data

MELTING POINT:	730 °C
BOILING POINT:	1,380 °C
SOLUBILITY:	water 650 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	331489
PRODUCT NAME:	Potassium Bromide for IR
QUALITY NAME:	

	for IR
SPECIFICATIONS:	Max. Absorbance (2g pressed disk, 0.5 cm layer thickness) CH- compounds; 2750-3100 cm-1: 0.004 Other; 420-4000 cm-1: 0.05 Water (3250-3750)/(1620-1640) cm-1: 0.15 Suitability for IR spectrometry:: passes test
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Bromide
EINECS:	231-830-3
CS:	2827 51 00 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.

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

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 Bromate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Minimum assay (Iodom.) (a.d.s.): 99.8%

CODE	**131487**
CAS	**7758-01-2**
MOLECULAR FORMULA	**$KBrO_3$**
MOLAR MASS	**167.01 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131487.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131487.0416	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:	434 °C
SOLUBILITY:	water 70 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131487
PRODUCT NAME:	Potassium Bromate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Iodom.) (a.d.s.): 99.8% pH of 5% solution: 5.0-9.0 Maximum limit of impurities Insoluble matter in H2O: 0.003 % Loss on drying at 150°C: 0.1% Nitrogen compounds (as N): 0.001% Bromide (Br): 0.02% Sulfate (SO4): 0.005% Heavy Metals (ICP-OES): 0.0005 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.001 % Mn: 0.0005 % Na: 0.01 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
HAZARD PICTOGRAMS	
UN:	1484
CLASS/PG:	5.1/II
ADR:	5.1/II
IMDG:	5.1/II
IATA:	5.1/II
WGK:	3
STORAGE:	Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS03 GHS06
H PHRASES:	H350 H271 H301
P PHRASES:	P201 P202 P210 P220 P221 P501 P264 P270 P280 P281 P283 P301+P310 P306+P360 P308+P313 P321 P330 P370+P378 P371+P380+P375 P405

MASTER NAME:	Potassium Bromate
EINECS:	231-829-8
CS:	2829 90 40 00
INDEX NR.:	035-003-00-6

Potassium Antimony(III) Tartrate 3-hydrate for analysis, ACS

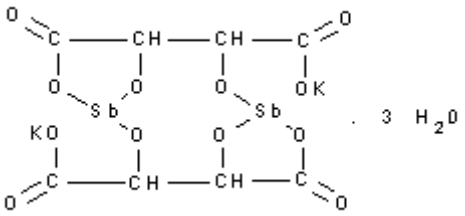
Antimony(III) Potassium Tartrate, Potassium Antimony(III) Oxide Tartrate, Potassium Antimonyl Tartrate

Assay (Iodom.): 99.0-103.0%

CODE	**131159**
CAS	**28300-74-5**
MOLECULAR FORMULA	**$C_8H_4K_2O_{12}Sb_2.3H_2O$**
MOLAR MASS	**667.87 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 131159.1210	PACKAGING SIZE 500 g

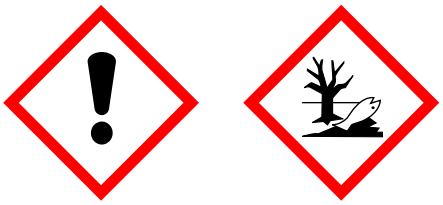


ⓘ Technical data

SOLUBILITY:	water 55 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131159
PRODUCT NAME:	Potassium Antimony(III) Tartrate 3-hydrate for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Iodom.): 99.0-103.0% Maximum limit of impurities Acidity or alkalinity: 0.02 meq/g Insoluble matter in H2O: 0.02 % Loss on drying at 105°C: 2.7% Chloride (Cl): 0.005% Sulfate (SO4): 0.01% As: 0.015 %

HAZARD PICTOGRAMS



UN:	1551
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS09
H PHRASES:	H332 H302 H411

P PHRASES:	P261 P264 P270 P271 P273 P501 P301+P312 P304+P340 P312 P330 P391

MASTER NAME:	Potassium Antimony(III) Tartrate 3-hydrate
SYNONYMS LONG TEXT:	Antimony(III) Potassium Tartrate, Potassium Antimony(III) Oxide Tartrate, Potassium Antimonyl Tartrate
EINECS:	234-293-3
CS:	2918 13 00 00
INDEX NR.:	051-003-00-9

Potassium Chloride 3 mol/l + Silver Chloride for volumetric analysis

CODE

282923

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 282923.1209	PACKAGING SIZE 250 ml

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	282923
PRODUCT NAME:	Potassium Chloride 3 mol/l + Silver Chloride for volumetric analysis
SPECIFICATIONS:	Composition: Potassium chloride: 22.37 g Silver nitrate: 0.1 g Water (s.q.m): 100 mL
WGK:	1
STORAGE:	RT
CS:	38221900

Potassium Chloride 3 mol/l for volumetric analysis

Assay (as KCl): 2.9 - 3.1 mol/L

CODE	**282775**
CAS	**7447-40-7**
MOLECULAR FORMULA	**KCl**
MOLAR MASS	**74.56 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 282775.1209	PACKAGING SIZE 250 ml
	CODE 282775.1211	PACKAGING SIZE 1000 ml
	CODE 282775.1214	PACKAGING SIZE 5 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	282775
PRODUCT NAME:	Potassium Chloride 3 mol/l for volumetric

SPECIFICATIONS:	analysis Assay (as KCl): 2.9 - 3.1 mol/L Composition: Potassium chloride: 22.37 g Water (s.q.m): 100 mL
WGK:	1
STORAGE:	RT
EINECS:	231-211-8
CS:	28273985

Potassium Carbonate (USP, BP, Ph. Eur.) pharma grade

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

CODE	**191490**
CAS	**584-08-7**
MOLECULAR FORMULA	**K_2CO_3**
MOLAR MASS	**138.21 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 191490.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	891 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	191490
PRODUCT NAME:	Potassium Carbonate (USP, BP, Ph. Eur.) pharma grade
QUALITY NAME:	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: passes test Loss on drying at 180°C: 0.5% Chloride (Cl): 0.002% Sulfate (SO4): 0.01% Residual solvents (Ph.Eur/USP): passes test Heavy metals (as Pb): 0.0005% Ca: 0.005 % Fe: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P264 P270 P501
MASTER NAME:	Potassium Carbonate
EINECS:	209-529-3
CS:	2836 40 00 00

Potassium Chlorate (Reag. USP, Ph. Eur.) for analysis, ACS

Minimum assay: 99.0%

CODE	**131493**
CAS	**3811-04-9**
MOLECULAR FORMULA	**$KClO_3$**
MOLAR MASS	**122.55 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131493.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	356 °C
SOLUBILITY:	water 73 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131493
PRODUCT NAME:	Potassium Chlorate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay: 99.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Chloride (Cl): 0.001%
Nitrogen compounds (as N): 0.001%
Sulfate (SO4): 0.002%
Bromate (BrO3): 0.015%
Heavy metals (as Pb): 0.0005%

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 5
As: 5
Bi: 5
Ca: 20
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 3
Li: 5
Mg: 10
Mn: 5
Mo: 5
Na: 100
Ni: 5
Pb: 5
Sr: 5
Tl: 5
Zn: 5

HAZARD PICTOGRAMS	
UN:	1485
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
H PHRASES:	H271 H302 H411 H332
P PHRASES:	P210 P273 P301+P310 P306+P360 P370+P376 P371+P380+P375

MASTER NAME:	Potassium Chlorate
EINECS:	223-289-7
CS:	2829 19 00 00
INDEX NR.:	017-004-00-3

Potassium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Minimum assay (Acidim.) calc. a.d.s.: 99.0%

CODE	**131490**
CAS	**584-08-7**
MOLECULAR FORMULA	**K_2CO_3**
MOLAR MASS	**138.21 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131490.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131490.1211	PACKAGING SIZE 1000 g	

Technical data

MELTING POINT:	891 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131490
PRODUCT NAME:	Potassium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Acidim.) calc. a.d.s.: 99.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Loss on drying at 300°C: 1.0%
Chloride (Cl): 0.002%
Nitrogen compounds (as N): 0.001%
Sulfur compounds (as SO4): 0.003 %
Phosphate (PO4): 0.001 %
Silicate (as SiO2): 0.005%
As: 0.0001 %
Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 10
Au: 5
B: 5
Ba: 5
Be: 5
Bi: 5
Ca: 20
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 5
Ga: 5
Ge: 5
In: 5
Li: 5
Mg: 20
Mn: 5
Mo: 5
Na: 200
Ni: 5
Pb: 5
Pt: 5
Sb: 5
Se: 20
Sn: 5
Sr: 5

	Ti: 5 Tl: 5 V: 5 Zn: 5 Zr: 5
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P264 P270 P501
MASTER NAME:	Potassium Carbonate
EINECS:	209-529-3
CS:	2836 40 00 00

Potassium di-Hydrogen Phosphate *BioChemica*

Assay (titr.): min. 99.5 %

CODE	**A1043**
CAS	**7778-77-0**
MOLECULAR FORMULA	**KH_2PO_4**
MOLAR MASS	**136.09 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A1043,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.
	CODE A1043,5000	PACKAGING SIZE 5 kg	

Technical data

SOLUBILITY:	222 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1043
PRODUCT NAME:	Potassium di-Hydrogen Phosphate *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99.5 % pH (5 %; H_2O; 20°C): 4.0 - 4.5

	Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Water: max. 0.2 % Chloride: max. 0.0005 % Sulfate: max. 0.003 % A (1 cm/0.1 M in H_2O) 260 nm: max. 0.05 280 nm: max. 0.05
WGK:	1
STORAGE:	RT
EINECS:	231-913-4
CS:	28352400

Potassium Chloride for molecular biology

Assay (titr.): min. 99.5 %

CODE	**A2939**
CAS	**7447-40-7**
MOLECULAR FORMULA	**KCl**
MOLAR MASS	**74.56 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A2939,0500	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

SOLUBILITY:	330 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2939
PRODUCT NAME:	Potassium Chloride for molecular biology
HEADLINE COMMENT:	**Warning:** Product may form lumps when stored.
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99.5 % pH (5 %; H_2O; 20°C): 5.4 - 8.0 Loss on drying (2 h; 130°C): max. 0.5 % Bromide: max. 0.05 % Iodide: max. 0.002 %

	Sulfate: max. 0.005 % Ba: max. 0.001 % Ca: max. 0.001 % Fe: max. 0.0005 % Mg: max. 0.001 % Na: max. 0.02 % Pb: max. 0.0005 %
WGK:	1
STORAGE:	RT
EINECS:	231-211-8
CS:	31042090

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 Chloride (E-508, F.C.C.) food grade

Assay (as KCl) after drying, not less than: 99.0%

CODE	**201494**
CAS	**7447-40-7**
MOLECULAR FORMULA	**KCl**
MOLAR MASS	**74.56 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201494.0416	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:	201494
PRODUCT NAME:	Potassium Chloride (E-508, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as KCl) after drying, not less than: 99.0%

	Acidity or alkalinity: passes test Loss on drying , not more than: 1.0% Sodium: passes test Bromide and/or Iodide: passes test Arsenic (as As), not more than: 3 ppm Cadmium, not more than: 1 ppm Mercury, not more than: 1 ppm Lead, not more than: 2 ppm Heavy metals (as Pb) , not more than: 5 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Chloride
EINECS:	231-211-8
CS:	3104 20 90 00

Potassium Chloride (Reag. USP) for analysis, ACS, ISO

Assay (Arg.): 99.5-100.5%

CODE	**131494**
CAS	**7447-40-7**
MOLECULAR FORMULA	**KCl**
MOLAR MASS	**74.56 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	131494.1210	500 g
	131494.1211	1000 g
	131494.1214	5 kg
	131494.0416	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:	131494
PRODUCT NAME:	Potassium Chloride (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Arg.): 99.5-100.5% pH of 5% solution: 5.4-8.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 150°C: 0.5% Nitrogen compounds (as N): 0.001% Bromide (Br): 0.01% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.001% Iodide (I): 0.002% Chlorate and nitrate (as NO3): 0.003% Heavy metals (as Pb): 0.0005% Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 10 Au: 5 B: 5 Ba: 10 Be: 5 Bi: 5 Ca: 10 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 2 Ga: 5 Ge: 5 Hg: 5

	In: 5 Li: 5 Mg: 10 Mn: 5 Mo: 5 Na: 50 Ni: 5 Pb: 5 Pt: 5 Sb: 5 Se: 5 Si: 5 Sn: 5 Sr: 5 Ti: 5 Tl: 5 V: 5 Zn: 5 Zr: 5
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Chloride
EINECS:	231-211-8
CS:	3104 20 90 00

Potassium Fluoride pure

Assay (Acidim.): 98%

CODE	**141976**
CAS	**7789-23-3**
MOLECULAR FORMULA	**KF**
MOLAR MASS	**58.10 g/mol**

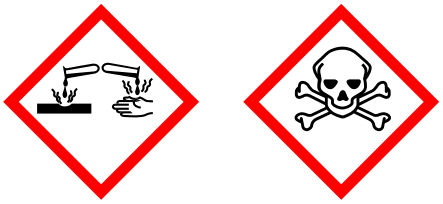
Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141976.0914	PACKAGING SIZE 5 kg	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	858 °C
BOILING POINT:	1,500 °C
SOLUBILITY:	water 920 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141976
PRODUCT NAME:	Potassium Fluoride pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98% Acidity (as HF): 0.2% Alkalinity: 0.1 %

	Insoluble matter in H2O: 0.01 % Sulfite (SO3): 0.01% Cu: 0.003 % Fe: 0.002 % Ni: 0.003 % Pb: 0.003 %
HAZARD PICTOGRAMS	
UN:	1812
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 GHS05
H PHRASES:	H331 H311 H301 H318
P PHRASES:	P261 P264 P270 P271 P280 P501 P301+P310 P302+P352

	P304+P340 P311 P312 P321 P322 P330 P361 P363 P403+P233 P405
MASTER NAME:	Potassium Fluoride
EINECS:	232-151-5
CS:	2826 19 90 90
INDEX NR.:	009-005-00-2

Potassium Fluoride for analysis

Minimum assay (Acidim.): 99 %

CODE	**121976**
CAS	**7789-23-3**
MOLECULAR FORMULA	**KF**
MOLAR MASS	**58.10 g/mol**

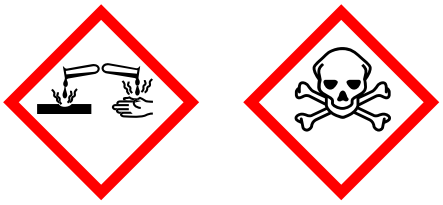
Packs sizes (1)

CODE	PACKAGING SIZE
CODE 121976.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	858 °C
BOILING POINT:	1,500 °C
SOLUBILITY:	water 920 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121976
PRODUCT NAME:	Potassium Fluoride for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Acidim.): 99 %
	Maximum limit of impurities

	Acidity (as HF): 0.2 % Alkalinity (as KOH): 0.1 % Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.005 % Sulfate (SO4): 0.1 % Sulfite (SO3): 0.01 % Ca: 0,005 % Cd: 0,005 % Co: 0,005 % Cu: 0,003 % Fe: 0,002 % Na: 0,5 % Ni: 0,003 % Pb: 0,003 % Zn: 0,005 %
HAZARD PICTOGRAMS	
UN:	1812
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 GHS05
H PHRASES:	H331 H311 H301 H318

P PHRASES:	P261 P264 P270 P271 P280 P501 P301+P310 P302+P352 P304+P340 P311 P312 P321 P322 P330 P361 P363 P403+P233 P405

MASTER NAME:	Potassium Fluoride
EINECS:	232-151-5
CS:	2826 19 90 90
INDEX NR.:	009-005-00-2

Potassium Disulfite for analysis

Potassium Bisulphite, Potassium Metabisulphite, Potassium Pyrosulphite

Minimum assay (Iodom.): 96.0%

CODE	**121522**
CAS	**16731-55-8**
MOLECULAR FORMULA	**$K_2S_2O_5$**
MOLAR MASS	**222.33 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 121522.1214	PACKAGING SIZE 5 kg

Technical data

MELTING POINT:	190 °C
SOLUBILITY:	water 335 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121522
PRODUCT NAME:	Potassium Disulfite for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Iodom.): 96.0%
	Maximum limit of impurities

	Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.005% Phosphate (PO4): 0.0002 % Thiosulfate (S2O3): 0.05% As: 0.0001 % Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	EUH031 H319 H335
P PHRASES:	P261 P264 P271 P280 P304+P340 P501 P305+P351+P338 P312 P337+P313 P403+P233 P405
MASTER NAME:	Potassium Disulphite
SYNONYMS LONG TEXT:	Potassium Bisulphite, Potassium Metabisulphite, Potassium Pyrosulphite

EINECS:	240-795-3
CS:	2832 20 00 00

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	PACKAGING SIZE
	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

Technical data

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

Potassium di-Hydrogen Phosphate (Reag. USP) for analysis, ACS

Potassium Phosphate , mono-Basic, Potassium Phosphate , primary

Minimum assay (Acidim.): 99.0%

CODE	**131509**
CAS	**7778-77-0**
MOLECULAR FORMULA	**KH_2PO_4**
MOLAR MASS	**136.09 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 131509.1210	PACKAGING SIZE 500 g
	CODE 131509.1211	PACKAGING SIZE 1000 g
	CODE 131509.1214	PACKAGING SIZE 5 kg
	CODE 131509.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	252 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131509
PRODUCT NAME:	Potassium di-Hydrogen Phosphate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 4.2-4.5 Maximum limit of impurities Insoluble matter in H2O: 0.01 % Loss on drying at 105°C: 0.2% Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.003% As: 0.0002 % Heavy Metals (ICP-OES): 0.001 % Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Au: 5 B: 5 Ba: 5 Be: 5 Bi: 5 Ca: 50 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 10 Ga: 5 Ge: 5 In: 5 Mg: 5 Mn: 5 Mo: 5

	Na: 50 Ni: 5 Pb: 5 Sb: 5 Se: 5 Si: 5 Sr: 5 Ti: 5 Tl: 5 V: 5 Zn: 5 Zr: 5
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

Potassium Hydrogen Phthalate for analysis, ISO

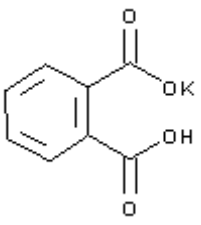
Phthalic Acid mono-Potassium Salt, Potassium Biphthalate

Minimum assay (Perchl. Ac.): 99.5%

CODE	**131481**
CAS	**877-24-7**
MOLECULAR FORMULA	**$C_6H_4COOHCOOK$**
MOLAR MASS	**204.23 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131481.1210	PACKAGING SIZE 500 g
	CODE 131481.1211	PACKAGING SIZE 1000 g
	CODE 131481.0416	PACKAGING SIZE 25 kg



Technical data

MELTING POINT:	295 - 300 °C
SOLUBILITY:	water 80 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131481
PRODUCT NAME:	Potassium Hydrogen Phthalate for analysis, ISO
QUALITY NAME:	for analysis, ISO
SPECIFICATIONS:	Minimum assay (Perchl. Ac.): 99.5% Identity: IR passes test Maximum limit of impurities Insoluble matter in H2O: 0.003 % Loss on drying at 110°C: 0.05% Chloride (Cl): 0.002% Nitrogen compounds (as N): 0.001% Sulfur compounds (as S): 0.002 % Heavy metals (as Pb): 0.0005% Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.001 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.001 % Mn: 0.0005 % Na: 0.01 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Potassium Hydrogen Phthalate
SYNONYMS LONG TEXT:	Phthalic Acid mono-Potassium Salt, Potassium Biphthalate
EINECS:	212-889-4
CS:	2917 39 85 90

Potassium Hydrogen Carbonate for analysis

Potassium Bicarbonate

Assay (Acidim.): 99.5-101 %

CODE	**121480**
CAS	**298-14-6**
MOLECULAR FORMULA	**$KHCO_3$**
MOLAR MASS	**100.12 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 121480.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	292 °C
SOLUBILITY:	water 438 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121480
PRODUCT NAME:	Potassium Hydrogen Carbonate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Assay (Acidim.): 99.5-101 %

	Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.0005% Sulfur compounds (as SO4): 0.003 % Phosphate (PO4): 0.0005 % Heavy metals (as Pb): 0.0005% Al: 0.001 % As: 0.00004 % Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.001 % Mn: 0.0005 % Na: 0.03 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Hydrogen Carbonate
SYNONYMS LONG TEXT:	Potassium Bicarbonate
EINECS:	206-059-0
CS:	2836 40 00 00

Potassium Hexacyanoferrate(III) (Reag. USP, Ph. Eur.) for analysis, ACS

Potassium Ferricyanide

Minimum assay (Iodom.): 99.0%

CODE	**131503**
CAS	**13746-66-2**
MOLECULAR FORMULA	**$K_3[Fe(CN)_6]$**
MOLAR MASS	**329.26 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131503.1210	PACKAGING SIZE 500 g	
	CODE 131503.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.

Technical data

SOLUBILITY:	water 315 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131503
PRODUCT NAME:	Potassium Hexacyanoferrate(III) (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 99.0% Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.01% Sulfate (SO4): 0.01% Hexacyanoferrate(II) [Fe(CN)6]: 0.05% Pb: 0.002 %
WGK:	2
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Hexacyanoferrate(III)
SYNONYMS LONG TEXT:	Potassium Ferricyanide
EINECS:	237-323-3
CS:	2837 20 00 90

Potassium Hexacyanoferrate(II) 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Potassium Ferrocyanide

Assay (Perm.): 99.0-102.0%

CODE	**131505**
CAS	**14459-95-1**
MOLECULAR FORMULA	**$K_4Fe(CN)_6.3H_2O$**
MOLAR MASS	**422.41 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131505.1210	PACKAGING SIZE 500 g
	CODE 131505.1211	PACKAGING SIZE 1000 g
	CODE 131505.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	70 °C
SOLUBILITY:	water 270 g/l at 12 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131505
PRODUCT NAME:	Potassium Hexacyanoferrate(II) 3-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Perm.): 99.0-102.0% Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.01% Sulfate (SO4): 0.005% Ca: 0.005 % Cd: 0.0005 % Co: 0.001 % Cr: 0.005 % Cu: 0.002 % Mg: 0.001 % Mn: 0.0005 % Na: 0.02 % Ni: 0.0005 % Pb: 0.002 % Zn: 0.002 %
WGK:	2
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Hexacyanoferrate(II) 3-hydrate
SYNONYMS LONG TEXT:	Potassium Ferrocyanide
EINECS:	237-722-2
CS:	2837 20 00 90

Potassium Hexachloroplatinate(IV) (Reag. USP) for analysis

Platinic Potassium Chloride, Potassium Chloroplatinate, Potassium Platinic Chloride

Minimum assay (as Pt): 40%

CODE	**125507**
CAS	**16921-30-5**
MOLECULAR FORMULA	**$K_2[PtCl_6]$**
MOLAR MASS	**486.01 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 125507.1603	PACKAGING SIZE 1 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	250 °C
SOLUBILITY:	Slightly soluble in cold water. Soluble in hot water.
PHYSICAL DESCRIPTION:	Orange yellow crystals or yelow powder
PRODUCT CODE:	125507
PRODUCT NAME:	Potassium Hexachloroplatinate(IV) (Reag. USP) for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:	Minimum assay (as Pt): 40%
HAZARD PICTOGRAMS	
UN:	3288
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS08 GHS05
H PHRASES:	H301 H318 H334 H317
P PHRASES:	P261 P264 P270 P272 P280 P501 P285 P301+P310 P302+P352 P304+P341 P305+P351+P338 P310

	P321 P330 P333+P313 P342+P311 P363 P405
MASTER NAME:	Potassium Hexachloroplatinate(IV)
SYNONYMS LONG TEXT:	Platinic Potassium Chloride, Potassium Chloroplatinate, Potassium Platinic Chloride
EINECS:	240-979-3
CS:	2843 90 90 00

Potassium Iodide *BioChemica*

Assay (titr.): min. 99.5 %

CODE	**A3872**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A3872,0500	PACKAGING SIZE 500 g

Technical data

SOLUBILITY:	1440 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3872
PRODUCT NAME:	Potassium Iodide *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99.5 % pH (5 %; H_2O; 20°C): 6.0 - 9.0 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Loss on drying: max. 1 % Bromide: max. 0.001 % Chloride: max. 0.001 % Iodate: max. 0.0002 %

	Sulfate: max. 0.001 %
HAZARD PICTOGRAMS	
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501
EINECS:	231-659-4
CS:	28276000

Potassium Iodide 2 mol/l (2M) (pH 7.0) volumetric solution

CODE	**183425**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 183425.1214	PACKAGING SIZE 5 L

ⓘ Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	183425
PRODUCT NAME:	Potassium Iodide 2 mol/l (2M) (pH 7.0) volumetric solution
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: see certificate Traceability: NIST

HAZARD PICTOGRAMS	
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501
EINECS:	231-659-4
CS:	38221900

Potassium Iodide 1 mol/l (1N) volumetric solution

CODE	**182256**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 182256.1611	PACKAGING SIZE 1000 ml

ⓘ Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	182256
PRODUCT NAME:	Potassium Iodide 1 mol/l (1N) volumetric solution
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: see certificate Traceability: NIST
HAZARD PICTOGRAMS	

WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501

EINECS:	231-659-4
CS:	38221900

Potassium Iodate (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Iodom.): 99.4-100.4%

CODE	**131540**
CAS	**7758-05-6**
MOLECULAR FORMULA	**KIO_3**
MOLAR MASS	**214.00 g/mol**

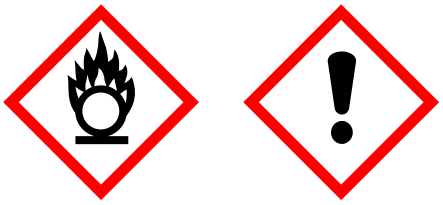
Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131540.1208	PACKAGING SIZE 100 g	
	CODE 131540.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	560 °C
SOLUBILITY:	water 47 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131540
PRODUCT NAME:	Potassium Iodate (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Iodom.): 99.4-100.4% pH of 5% solution: 5.0-8.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 130°C: 0.05% Nitrogen compounds (as N): 0.002% Sulfate (SO4): 0.005% Iodide (I): 0.001% Bromide and Chloride (as Cl): 0.01% Heavy Metals (ICP-OES): 0.0005 % As: 0.0001 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.001 % Mg: 0.001 % Mn: 0.0005 % Na: 0.005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
HAZARD PICTOGRAMS	
UN:	1479
CLASS/PG:	5.1/II
ADR:	5.1/II
IMDG:	5.1/II
IATA:	5.1/II
WGK:	1
STORAGE:	Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07
H PHRASES:	H272 H315 H319 H335
P PHRASES:	P210 P220 P221 P280 P370+P378

MASTER NAME:	Potassium Iodate
EINECS:	231-831-9
CS:	2829 90 80 00

Potassium Hydrogen Phthalate pure

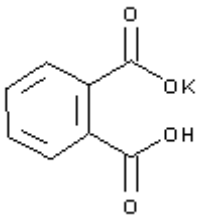
Phthalic Acid mono-Potassium Salt, Potassium Biphthalate

Assay (Perchl. Ac.): 99-101 %

CODE	**141481**
CAS	**877-24-7**
MOLECULAR FORMULA	**$C_6H_4COOHCOOK$**
MOLAR MASS	**204.23 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141481.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 141481.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.



Technical data

MELTING POINT:	295 - 300 °C
SOLUBILITY:	water 80 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141481
PRODUCT NAME:	Potassium Hydrogen Phthalate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Perchl. Ac.): 99-101 % Identity: IR passes test Insoluble matter in H2O: 0.01 % Loss on drying at 110°C: 0.3% Chloride (Cl): 0.003% Nitrogen compounds (as N): 0.005% Cu: 0.002 % Fe: 0.002 % Ni: 0.002 % Pb: 0.002 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Hydrogen Phthalate
SYNONYMS LONG TEXT:	Phthalic Acid mono-Potassium Salt, Potassium Biphthalate
EINECS:	212-889-4
CS:	2917 39 85 90

Potassium Iodide solution 30% w/v VINIKIT, for wine analysis

Assay (as KI) (Iodom.) (w/v): 29.9 - 30.1 %

CODE	**624572**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 624572.1210	PACKAGING SIZE 500 ml

Technical data

DENSITY:	1.224 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	624572
PRODUCT NAME:	Potassium Iodide solution 30% w/v VINIKIT, for wine analysis
QUALITY NAME:	VINIKIT, for wine analysis
HEADLINE COMMENT:	for determination of reducing sugar in wine, according to Rebelein method
SPECIFICATIONS:	COMPOSITION:

	Potassium Iodide: 30 g Water (s.q.m): 100 ml Assay (as KI) (Iodom.) (w/v): 29.9 - 30.1 % Identity: passes test
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501
MASTER NAME:	Potassium Iodide solution 30% w/v
EINECS:	231-659-4
CS:	2827 60 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	

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 Iodide solution 10% w/v

Assay (w/v): 10 ± 0.1 %

CODE	**171543**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 171543.1609	PACKAGING SIZE 250 ml
	CODE 171543.1611	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.072 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	171543
PRODUCT NAME:	Potassium Iodide solution 10% w/v
SPECIFICATIONS:	COMPOSITION: Potassium Iodide: 11 g Water (s.q.m): 100 ml Assay (w/v): 10 ± 0.1 %

	Identity: passes test
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501
MASTER NAME:	Potassium Iodide solution 10% w/v
EINECS:	231-659-4
CS:	2827 60 00 00

Potassium Iodide for analysis, ACS, ISO

Assay (arg.): min. 99.5 %

CODE	**131542**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 131542.1209	PACKAGING SIZE 250 g
	CODE 131542.1210	PACKAGING SIZE 500 g
	CODE 131542.1211	PACKAGING SIZE 1000 g
	CODE 131542.1214	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	1440 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid

PRODUCT CODE:	131542
PRODUCT NAME:	Potassium Iodide for analysis, ACS, ISO
SPECIFICATIONS:	Assay (arg.): min. 99.5 % pH (5 %; H_2O; 20°C): 6.0 - 9.2 Loss on drying (150°C): max. 0.2 % Insoluble matter in H_2O: max. 0.003 % Reducing substances of I_2 (as I): max. 0.001 % Heavy metals (as Pb): max. 0.0005 % Chloride and bromide (as Cl): max. 0.01 % Iodate: max. 0.0003 % Phosphate: max. 0.001 % Sulfate: max. 0.0025 % Nitrogen compounds (as N): max. 0.001 % As: max. 0.00001 % Ca: max. 0.001 % Fe: max. 0.0002 % Na: max. 0.005 % Pb: max. 0.0005 % Ba: max. 0.001 % Cd: max. 0.0005 % Co: max. 0.0005 % Cu: max. 0.0005 % Mg: max. 0.0005 % Mn: max. 0.0005 % Ni: max. 0.0005 % Zn: max. 0.0005 % Ag: max. 0.0005 % Al: max. 0.0005 % Au: max. 0.0005 % B: max. 0.0005 % Be: max. 0.0005 % Cr: max. 0.0005 % Ga: max. 0.0005 % Ge: max. 0.0005 % Hg: max. 0.0005 % In: max. 0.0005 % Mo: max. 0.0005 % Pt: max. 0.0005 % Si: max. 0.0005 % Sn: max. 0.0005 % Sr: max. 0.0005 % Ti: max. 0.0005 %

	Tl: max. 0.0005 % V: max. 0.0005 % Zr: max. 0.0005 %
HAZARD PICTOGRAMS	
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H372
P PHRASES:	P260 P264 P270 P314 P501
EINECS:	231-659-4
CS:	28276000

Potassium Iodide (F.C.C.) food grade

Assay (as KI) (a.d.s.): 99.0-101.5%

CODE	**201542**
CAS	**7681-11-0**
MOLECULAR FORMULA	**KI**
MOLAR MASS	**166.01 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201542.1214	PACKAGING SIZE 5 kg

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:	201542
PRODUCT NAME:	Potassium Iodide (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as KI) (a.d.s.): 99.0-101.5% Identity Iodide: passes test

	Potassium: passes test pH of 5% solution: 6-10 Appearance: passes test Loss on drying , not more than: 1% Nitrate, nitrite and ammonia: passes test Thiosulfate and Barium: passes test Iodate, not more than: 4 ppm Lead, not more than: 4 ppm Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
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 Permanganate (USP, BP, Ph. Eur.) pure, pharma grade

Permanganic Acid Potassium Salt

Assay (Iodom.): 99.0-100.5%

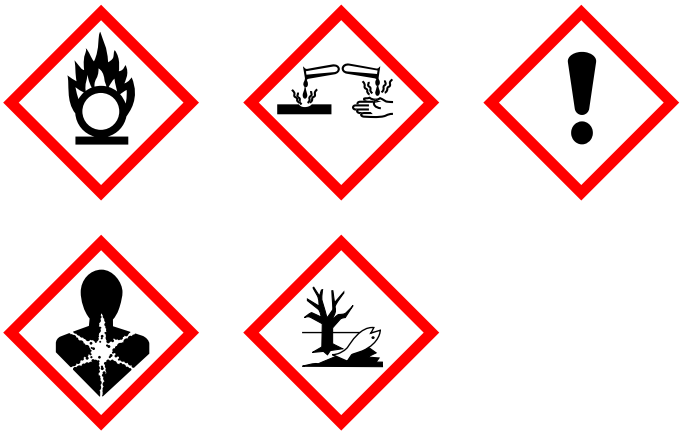
CODE	**141527**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

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	
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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
P PHRASES:	P210 P220 P221 P264 P270 P501 P273 P280 P301+P312 P330 P370+P378 P391

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 Permanganate (Reag. USP) for analysis, ACS

Permanganic Acid Potassium Salt

Minimum assay: 99.0%

CODE	**131527**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

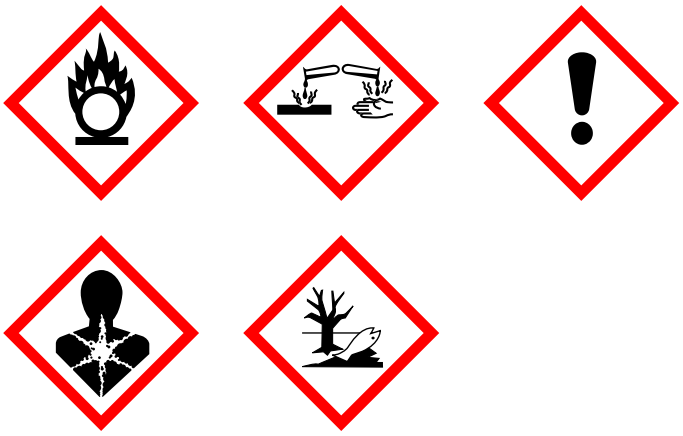
Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131527.1209	PACKAGING SIZE 250 g	Product active until stock lasts.
	CODE 131527.1211	PACKAGING SIZE 1000 g	
	CODE 131527.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 131527.1211 (please check specifications).
	CODE 131527.0716	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:	50 °C
SOLUBILITY:	water 65 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131527
PRODUCT NAME:	Potassium Permanganate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay: 99.0% Maximum limit of impurities Insoluble matter in H2O: 0.2 % Nitrogen compounds (as N): 0.005% Sulfate (SO4): 0.02% Chloride and Chlorate (as Cl): 0.005% Cu: 0.001 % Fe: 0.002 % Pb: 0.005 %

HAZARD PICTOGRAMS	
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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
P PHRASES:	P210 P220 P221 P264 P270 P501 P273 P280 P301+P312 P330 P370+P378 P391

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 (Reag. Ph. Eur.) for analysis, ISO

Minimum assay (Acidim.): 99.0%

CODE	**131524**
CAS	**7757-79-1**
MOLECULAR FORMULA	**KNO_3**
MOLAR MASS	**101.11 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131524.1211	PACKAGING SIZE 1000 g
	CODE 131524.1214	PACKAGING SIZE 5 kg
	CODE 131524.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	334 °C
SOLUBILITY:	water 320 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131524
PRODUCT NAME:	Potassium Nitrate without anticaking (Reag. Ph. Eur.) for analysis, ISO
QUALITY NAME:	for analysis, ISO
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 5-8 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.001% Ammonium (NH4): 0.001% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.003% Nitrite (NO2): 0.001% Iodate (IO3): 0.0005% As: 0.00004% Na: 0.02 % Heavy metals (as Pb): 0.0005% Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Ba: 5 Be: 5 Bi: 5 Ca: 10 Cd: 5 Co: 5 Cu: 5 Fe: 3 Ga: 5 Ge: 5 Hg: 1 In: 5 Li: 5 Mg: 10 Mn: 5 Mo: 5 Ni: 5 Pb: 5 Pt: 5

	Sb: 5 Sr: 5 Ti: 5 Tl: 5 Zn: 5 Zr: 5
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 Nitrate without anticaking (E-252, F.C.C.) food grade

Assay (as KNO3) after drying: 99.0-100.5%

CODE	**201524**
CAS	**7757-79-1**
MOLECULAR FORMULA	**KNO_3**
MOLAR MASS	**101.11 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 201524.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

ⓘ Technical data

MELTING POINT:	334 °C
SOLUBILITY:	water 320 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201524
PRODUCT NAME:	Potassium Nitrate without anticaking (E-252, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as KNO3) after drying: 99.0-100.5%

	pH of 5% solution: 4.5-8.5 Loss on drying , not more than: 1% Chlorate: passes test Nitrite (as KNO2), not more than: 20 ppm Arsenic (as As), not more than: 3 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 2 ppm Heavy metals (as Pb) , not more than: 0.001% Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
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 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 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 Permanganate 0.2 mol/l (1N) volumetric solution

Permanganic Acid Potassium Salt

CODE	**181528**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181528.1611	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.022 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181528
PRODUCT NAME:	Potassium Permanganate 0.2 mol/l (1N) volumetric solution
QUALITY NAME:	volumetric solution
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS	
UN:	3082
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS09 GHS08 GHS05
H PHRASES:	H410 H361d H314
P PHRASES:	P273 P391 P501

MASTER NAME:	Potassium Permanganate 0,2 mol/l *(1N)
SYNONYMS LONG TEXT:	Permanganic Acid Potassium Salt
EINECS:	231-760-3
CS:	2841 61 00 00
INDEX NR.:	025-002-00-9

Potassium Permanganate 0.1 mol/l (0.5N) volumetric solution

Permanganic Acid Potassium Salt

CODE	**182651**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182651.1611	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.01 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182651
PRODUCT NAME:	Potassium Permanganate 0.1 mol/l (0.5N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	for the titration of percarbonates
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate

	Traceability: NIST

WGK:	2
STORAGE:	Room Temperature.
H PHRASES:	H412
P PHRASES:	P273 P501

MASTER NAME:	Potassium Permanganate 0,1 mol/l *(0,5N)
SYNONYMS LONG TEXT:	Permanganic Acid Potassium Salt
EINECS:	231-760-3
CS:	2841 61 00 00

Potassium Permanganate 0.02 mol/l (0.1N) (Reag. USP) volumetric solution

Permanganic Acid Potassium Salt

CODE	**181529**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 181529.1611	PACKAGING SIZE 1000 ml
	CODE 181529.1612	PACKAGING SIZE 2.5 l

Technical data

DENSITY:	1.002 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181529
PRODUCT NAME:	Potassium Permanganate 0.02 mol/l (0.1N) (Reag. USP) volumetric solution
QUALITY NAME:	volumetric solution

HEADLINE COMMENT:	Standardised against Sodium Oxalate
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	2
STORAGE:	Room Temperature.
H PHRASES:	H412
P PHRASES:	P273 P501

MASTER NAME:	Potassium Permanganate 0,02 mol/l *(0,1N)
SYNONYMS LONG TEXT:	Permanganic Acid Potassium Salt
EINECS:	231-760-3
CS:	2841 61 00 00
INDEX NR.:	025-002-00-9

Potassium Permanganate 0.02 mol (3.161g KMnO4) to prepare 1l of 0.1N solution

CODE	**303124**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 303124.1920	PACKAGING SIZE amp69ml

ⓘ Technical data

PHYSICAL DESCRIPTION:	Plastic or glass ampoules containing clear dark violet liquid
PRODUCT CODE:	303124
PRODUCT NAME:	Potassium Permanganate 0.02 mol (3.161g KMnO4) to prepare 1l of 0.1N solution
SPECIFICATIONS:	Titer at 20°C: 0.997 - 1.003 Traceability: NIST

HAZARD PICTOGRAMS	
UN:	3082
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS09 GHS08 GHS05
H PHRASES:	H410 H361d H314
P PHRASES:	P273 P391 P501

MASTER NAME:	Potassium Permanganate 0,02 mol *(3,161g KMnO4) to prepare 1l of 0,1N solution
EINECS:	231-760-3
CS:	2841 61 00 00

Potassium Permanganate 0.002 mol/l (0.01N) volumetric solution

Permanganic Acid Potassium Salt

CODE	**181790**
CAS	**7722-64-7**
MOLECULAR FORMULA	**$KMnO_4$**
MOLAR MASS	**158.04 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181790.1611	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.00 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181790
PRODUCT NAME:	Potassium Permanganate 0.002 mol/l (0.01N) volumetric solution
QUALITY NAME:	volumetric solution
SPECIFICATIONS:	Titer at 20°C: 1.000±0.001
STORAGE:	Room Temperature.

MASTER NAME:	Potassium Permangante 0,002 mol/l *(0,01N)
SYNONYMS LONG TEXT:	Permanganic Acid Potassium Salt
EINECS:	231-760-3
CS:	2841 61 00 00

Potassium Sulfate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Minimum assay: 99.0%

CODE	**131532**
CAS	**7778-80-5**
MOLECULAR FORMULA	**K_2SO_4**
MOLAR MASS	**174.27 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131532.1211	PACKAGING SIZE 1000 g	
	CODE 131532.1214	PACKAGING SIZE 5 kg	Product active until stock lasts.

Technical data

MELTING POINT:	1,069 °C
BOILING POINT:	1,689 °C
SOLUBILITY:	water 110 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131532

PRODUCT NAME:	Potassium Sulfate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay: 99.0% pH of 5% solution: 5.5-8.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 105°C: 1.0% Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.0005% Phosphate (PO4): 0.0005 % As: 0.0001 % Heavy Metals (ICP-OES): 0.0005 % Metals by ICP [in mg/Kg (ppm)] Al: 5 Ba: 5 Be: 5 Ca: 50 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 5 Ga: 5 In: 5 Li: 10 Mg: 20 Mn: 5 Mo: 5 Na: 200 Ni: 5 Pb: 5 Se: 5 Sr: 5 Ti: 5 V: 5 Zn: 5 Zr: 5

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Potassium Sulphate
EINECS:	231-915-5
CS:	3104 30 00 00

Potassium Sulfate pure

Assay: 98%

CODE	**141532**
CAS	**7778-80-5**
MOLECULAR FORMULA	**K_2SO_4**
MOLAR MASS	**174.27 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 141532.1210	PACKAGING SIZE 500 g	
	CODE 141532.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 141532.1214	PACKAGING SIZE 5 kg	

Technical data

MELTING POINT:	1,069 °C
BOILING POINT:	1,689 °C
SOLUBILITY:	water 110 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141532
PRODUCT NAME:	Potassium Sulfate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay: 98% pH of 5% solution: 5.5-8.0 Insoluble matter in H2O: 0.025 % Loss on drying at 105°C: 1.0% Chloride (Cl): 0.01% Nitrogen compounds (as N): 0.002% Phosphate (PO4): 0.005 % As: 0.0001 % Ca: 0.03 % Cu: 0.003 % Fe: 0.003 % Mg: 0.03 % Ni: 0.003 % Pb: 0.003 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Sulphate
EINECS:	231-915-5
CS:	3104 30 00 00

Potassium Sorbate (BP, Ph. Eur.) pure, pharma grade

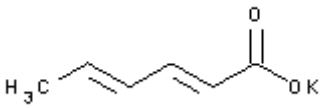
2,4-Hexadienoic Acid Potassium Salt, Potassium 2,4-Hexadienoate, Sorbic Acid Potassium Salt

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

CODE	**141531**
CAS	**24634-61-5**
MOLECULAR FORMULA	**$CH_3(CHCH)_2COOK$**
MOLAR MASS	**150.22 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 141531.1211	PACKAGING SIZE 1000 g



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

Potassium Sodium Tartrate 4-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Rochelle Salt, Seignette Salt, Tartaric Acid Potassium Sodium Salt

Assay (Perchl. Ac.): 99.0-102.0%

CODE

131729

CAS

6381-59-5

MOLECULAR FORMULA

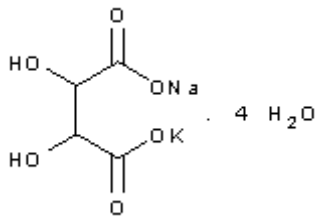
$NaK(COO)_2(CHOH)_2.4H_2O$

MOLAR MASS

282.23 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 131729.1210	PACKAGING SIZE 500 g
	CODE 131729.1211	PACKAGING SIZE 1000 g
	CODE 131729.1214	PACKAGING SIZE 5 kg
	CODE 131729.0416	PACKAGING SIZE 25 kg



Technical data

MELTING POINT:	70 °C
SOLUBILITY:	water 630 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131729
PRODUCT NAME:	Potassium Sodium Tartrate 4-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Perchl. Ac.): 99.0-102.0% pH of 5% solution: 6.5-8.5 Maximum limit of impurities Insoluble matter in H2O: 0.003 % Chloride (Cl): 0.0005% Ammonium (NH4): 0.002% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.005% Heavy Metals (ICP-OES): 0.0005 % As: 0.00002 % Ca: 0.002 % Cu: 0.0002 % Fe: 0.0002 % Mg: 0.002 % Ni: 0.0005 % Pb: 0.0002 % Zn: 0.001 %

STORAGE:	Room Temperature.
MASTER NAME:	Potassium Sodium Tartrate 4-hydrate
SYNONYMS LONG TEXT:	Rochelle Salt, Seignette Salt, Tartaric Acid Potassium Sodium Salt
EINECS:	206-156-8
CS:	2918 13 00 00

Potassium Peroxodisulphate (Reag. Ph. Eur.) for analysis

Potassium Persulphate

Minimum assay (Iodom.): 99.0 % *

CODE	**121525**
CAS	**7727-21-1**
MOLECULAR FORMULA	**$K_2S_2O_8$**
MOLAR MASS	**270.33 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 121525.1210	PACKAGING SIZE 500 g

ⓘ Technical data

MELTING POINT:	100 °C
SOLUBILITY:	water 47 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121525
PRODUCT NAME:	Potassium Peroxodisulphate (Reag. Ph. Eur.) for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:	Minimum assay (Iodom.): 99.0 % * **Maximum limit of impurities** Insoluble matter in H2O: 0.01 % Chlorine compounds (as Cl): 0.005% Heavy metals (as Pb): 0.001% Cu: 0.001 % Fe: 0.0005 % Mn: 0.0002 % Ni: 0.001 % Pb: 0.001 % * At the moment of the batch analysis.
HAZARD PICTOGRAMS	
UN:	1492
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 GHS07 GHS08
H PHRASES:	H272 H302 H319 H335 H315

P PHRASES:	H334 H317 P210 P220 P221 P261 P264 P270 P271 P272 P280 P285 P301+P312 P302+P352 P304+P340 P304+P341 P305+P351+P338 P312 P321 P330 P332+P313 P333+P313 P337+P313 P342+P311 P362 P363 P370+P378 P403+P233 P405 P501

MASTER NAME:	Potassium Peroxodisulphate
SYNONYMS LONG TEXT:	Potassium Persulphate
EINECS:	231-781-8
CS:	2833 40 00 00

Pyridoxal Hydrochloride *BioChemica*

Assay (titr.): min. 99 %

CODE	**A0960**
CAS	**65-22-5**
MOLECULAR FORMULA	**$C_8H_9NO_3 \cdot HCl$**
MOLAR MASS	**203.63 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A0960,0025	PACKAGING SIZE 25 g
	CODE A0960,1000	PACKAGING SIZE 1 kg

Technical data

SOLUBILITY:	500 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A0960
PRODUCT NAME:	Pyridoxal Hydrochloride *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % pH (10 %; H_2O): 1.5 - 2.5 Water (K.F.): max. 0.5 %

WGK:	1
STORAGE:	RT protected from light
EINECS:	200-602-5
CS:	29362500

Putrescine dihydrochloride

Assay (titr.): min. 98 %

CODE	**A2217**
CAS	**333-93-7**
MOLECULAR FORMULA	**$C_4H_{12}N_2 \cdot 2HCl$**
MOLAR MASS	**161.08 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A2217,0500	PACKAGING SIZE 500 g
	CODE A2217,9010	PACKAGING SIZE 10 kg

Technical data

PRODUCT CODE:	A2217
PRODUCT NAME:	Putrescine dihydrochloride
SPECIFICATIONS:	Assay (titr.): min. 98 % Solubility (5 %; H_2O): clear, colorless Water: max. 3 %

HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P261 P280 P305+P351+P338 P403+P233 P405 P501
EINECS:	206-375-9
CS:	29212900

Potassium Thiocyanate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Potassium Rhodanide, Potassium Sulphocyanide

Minimum assay (Arg.): 99.0%

CODE	**131534**
CAS	**333-20-0**
MOLECULAR FORMULA	**KSCN**
MOLAR MASS	**97.18 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131534.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131534.1211	PACKAGING SIZE 1000 g	

Technical data

MELTING POINT:	173 °C
SOLUBILITY:	water 2,170 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid deliquescent
PRODUCT CODE:	131534

PRODUCT NAME:	Potassium Thiocyanate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Arg.): 99.0% pH of 5% solution: 5.3-8.5 **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Insoluble matter in C2H5OH: 0.01 % Chloride (Cl): 0.005% Ammonium (NH4): 0.002% Sulfate (SO4): 0.005% Sulfide (S): 0.001 % Iodine-consuming substances (I): 0.025% Heavy metals (as Pb): 0.0005% Cu: 0.0005 % Fe: 0.0001 % Na: 0.005 % Pb: 0.0005 %

HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H332 H312 H302 EUH032 H412
P PHRASES:	P261 P264

	P270 P271 P273 P501 P301+P312 P302+P352 P304+P340 P312 P322 P330 P363
MASTER NAME:	Potassium Thiocyanate
SYNONYMS LONG TEXT:	Potassium Rhodanide, Potassium Sulphocyanide
EINECS:	206-370-1
CS:	2842 90 80 80
INDEX NR.:	615-004-00-3

Potassium Thiocyanate pure

Potassium Rhodanide, Potassium Sulphocyanide

Assay (Arg.): 98%

CODE	**141534**
CAS	**333-20-0**
MOLECULAR FORMULA	**KSCN**
MOLAR MASS	**97.18 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141534.1210	PACKAGING SIZE 500 g	Product discontinued. Alternative 131534.1211 (please check specifications).
	CODE 141534.0416	PACKAGING SIZE 25 kg	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	173 °C
SOLUBILITY:	water 2,170 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid deliquescent
PRODUCT CODE:	141534
PRODUCT NAME:	Potassium Thiocyanate pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Arg.): 98% pH of 5% solution: 5.0-8.7 Insoluble matter in H2O: 0.02 % Chloride (Cl): 0.05% Sulfate (SO4): 0.1% Cu: 0.002 % Fe: 0.002 % Ni: 0.002 % Pb: 0.002 %

HAZARD PICTOGRAMS

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H332 H312 H302 EUH032 H412
P PHRASES:	P261 P264 P270 P271 P273 P501 P301+P312 P302+P352 P304+P340 P312 P322 P330

P363

MASTER NAME:	Potassium Thiocyanate
SYNONYMS LONG TEXT:	Potassium Rhodanide, Potassium Sulphocyanide
EINECS:	206-370-1
CS:	2842 90 80 80
INDEX NR.:	615-004-00-3

Potassium Thiocyanate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution

Potassium Rhodanide, Potassium Sulphocyanide

CODE	**181535**
CAS	**333-20-0**
MOLECULAR FORMULA	**KSCN**
MOLAR MASS	**97.18 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181535.1211	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.005 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181535
PRODUCT NAME:	Potassium Thiocyanate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Silver Nitrate 0.1M Indicator: Alum Iron Ammonium
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001

	Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Potassium Thiocyanate 0,1 mol/l *(0,1N)
SYNONYMS LONG TEXT:	Potassium Rhodanide, Potassium Sulphocyanide
EINECS:	206-370-1
CS:	2842 90 80 80

Silver Nitrate 0.02 mol/l (0.02N) volumetric solution

CODE	**181465**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181465.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.004 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181465
PRODUCT NAME:	Silver Nitrate 0.02 mol/l (0.02N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Potassium Chromate
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	3
STORAGE:	Room Temperature.
H PHRASES:	H412
P PHRASES:	P273 P501

MASTER NAME:	Silver Nitrate 0,02 mol/l *(0,02N)
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Silver Nitrate 0.01 mol/l (0.01N) volumetric solution

CODE	**182564**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182564.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.000 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182564
PRODUCT NAME:	Silver Nitrate 0.01 mol/l (0.01N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Potassium Chromate
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	2
STORAGE:	Room Temperature.

MASTER NAME:	Silver Nitrate 0,01 mol/l *(0,01N)
EINECS:	231-853-9
CS:	2843 21 00 00

Rubidium Chloride *BioChemica*

Assay: min. 99 %

CODE	**A4240**
CAS	**7791-11-9**
MOLECULAR FORMULA	**RbCl**
MOLAR MASS	**120.92 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A4240,0010	PACKAGING SIZE 10 g
	CODE A4240,0050	PACKAGING SIZE 50 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A4240
PRODUCT NAME:	Rubidium Chloride *BioChemica*
SPECIFICATIONS:	Assay: min. 99 % Solubility (5 %; H_2O): clear, colorless Sulfate: max. 0.02 %
WGK:	1

STORAGE:	RT
EINECS:	232-240-9
CS:	28273985

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

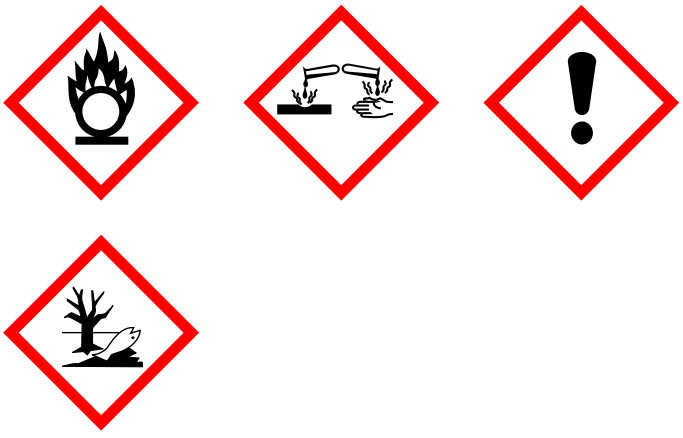
Technical data

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 P405

MASTER NAME:	Silver Nitrate
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade

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

CODE	**A8093**
CAS	**58-56-0**
MOLECULAR FORMULA	**$C_8H_{11}NO_3 \cdot HCl$**
MOLAR MASS	**205.64 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A8093,5000	PACKAGING SIZE 5 Kg

Technical data

SOLUBILITY:	220 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A8093
PRODUCT NAME:	Pyridoxine Hydrochloride (Ph. Eur., USP) pure, pharma grade
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.0 - 101.0 % Assay (HPLC, calc. on dried subst.): 98.0 - 102.0 % Appearance of solution: passes test Identity: passes test pH (5 %; H_2O): 2.4 - 3.0

	Loss on drying: max. 0.5 % Sulfated ash: max. 0.1 % Chloride: 16.9 - 17.6 % Related subst. (HPLC) Impurity B: max. 0.15 % Any unspecified impurity: max. 0.10 % Total impurities: max. 0.2 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	RT protected from light
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H318
P PHRASES:	P280 P305+P351+P338 P310
EINECS:	200-386-2
CS:	29362500

Silver Nitrate (Reag. USP) for analysis, ACS, ISO

Minimum assay (Arg.): 99.8%

CODE	**131459**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131459.1606	PACKAGING SIZE 25 g
	CODE 131459.1608	PACKAGING SIZE 100 g
	CODE 131459.1609	PACKAGING SIZE 250 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:	131459
PRODUCT NAME:	Silver Nitrate (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Arg.): 99.8% **Maximum limit of impurities** Acidity: passes test Insoluble matter in H2O: 0.003 % Insoluble matter in C2H5OH: passes test Chloride (Cl): 0.0005% Sulfate (SO4): 0.002% Non-precipit. subst. by HCl: 0.01 % **Metals by ICP [in mg/Kg (ppm)]** Bi: 5 Ca: 10 Co: 5 Cu: 2 Fe: 2 Ga: 5 Ge: 5 In: 5 K: 100 Mg: 10 Mn: 5 Na: 20 Ni: 5 Pb: 10 Sr: 5 V: 5 Zr: 5
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 P405
MASTER NAME:	Silver Nitrate
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Silver Nitrate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution

CODE	**186983**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 186983.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.012 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	186983
PRODUCT NAME:	Silver Nitrate 0.1 mol/l (0.1N) (Reag. USP) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Sodium Chloride Indicator: Eosine
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate

	Traceability: NIST
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H412 H315 H319
P PHRASES:	P273 P280 P302+P352 P305+P351+P338
MASTER NAME:	Silver Nitrate 0,1 mol/l (0,1N)
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Silver Nitrate 0.5 mol/l (0.5N) volumetric solution

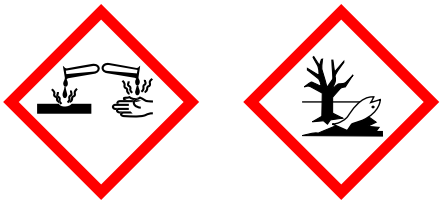
CODE	**185560**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 185560.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 185560.1612	PACKAGING SIZE 2.5 l	

ⓘ Technical data

DENSITY:	1.068 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	185560
PRODUCT NAME:	Silver Nitrate 0.5 mol/l (0.5N) volumetric solution
QUALITY NAME:	volumetric solution
SPECIFICATIONS:	Titer at 20°C: 1.000 ±0.001

HAZARD PICTOGRAMS	
UN:	1760
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	H314 H318 H411
P PHRASES:	P260 P264 P273 P280 P301+P330+P331 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P391 P405
MASTER NAME:	Silver Nitrate 0,5 mol/l (0,5N)

EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Silver Nitrate 0.1 mol (16.987g AgNO3) to prepare 1l of 0.1N solution

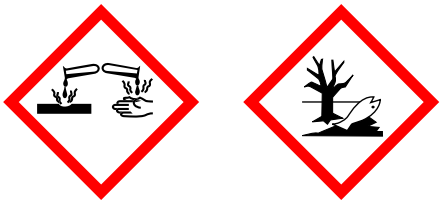
CODE	**303117**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 303117.1920	PACKAGING SIZE amp61ml

Technical data

PHYSICAL DESCRIPTION:	liquid Plastic or glass ampoules containing clear colourless liquid
PRODUCT CODE:	303117
PRODUCT NAME:	Silver Nitrate 0.1 mol (16.987g AgNO3) to prepare 1l of 0.1N solution
SPECIFICATIONS:	Titer at 20°C: 0.997 - 1.003 Traceability: NIST

HAZARD PICTOGRAMS	
UN:	1760
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
H PHRASES:	H314 H411
P PHRASES:	P260 P264 P273 P280 P301+P330+P331 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P391 P405

MASTER NAME:	Silver Nitrate 0,1 mol *(16,987g AgNO3) to prepare

	1l of 0,1N solution
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Silver Nitrate 0.05 mol/l (0.05N) volumetric solution

CODE	**182115**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182115.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.008 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182115
PRODUCT NAME:	Silver Nitrate 0.05 mol/l (0.05N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Potassium Chromate
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	2
STORAGE:	Room Temperature.
H PHRASES:	H412
P PHRASES:	P273 P501

MASTER NAME:	Silver Nitrate 0,05 mol/l *(0,05N)
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC grade

Acetic Acid Sodium Salt

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

CODE **631632**

CAS **6131-90-4**

MOLECULAR FORMULA **$CH_3COONa.3H_2O$**

MOLAR MASS **136.08 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 631632.0914	PACKAGING SIZE 5 kg
	CODE 631632.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	58 °C
SOLUBILITY:	water 762 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	631632
PRODUCT NAME:	Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC

	grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (Perchl. Ac.) (calc. a.a.s): 99.0 - 101.0 % Identity according to Pharmacopoeias: Acetate: passes test Sodium: passes test pH of 5% solution: 7.5 - 9.0 Maximum limit of impurities Appearance of solution Appearance Clear < formazin I: passes test Appearance Colourless: passes test Reducing substances: passes test Loss on drying at 130°C: 39.0 - 40.5 % Chloride (Cl): 0.005 % Phosphate (PO4): 0.001 % Sulfate (SO4): 0.003% Residual solvents (Ph.Eur/USP): passes test Calcium and magnesium: passes test Calcium and magnesium (as Ca): 0.005% Insoluble matter: 0.005 % Total aerobic microbial count (TAMC) + Total combined yeast and moulds (TYMC): <50 cfu/g Nitrogen Compounds (as N): 0.005 % 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

Silver Sulfate solution 6.6 g/l in sulfuric acid for volumetric analysis

CODE	**282922**
MOLECULAR FORMULA	**Ag_2SO_4**
MOLAR MASS	**311.83 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 282922.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

DENSITY:	1.84 kg/l
SOLUBILITY:	Miscible with water

PRODUCT CODE:	282922
PRODUCT NAME:	Silver Sulfate solution 6.6 g/l in sulfuric acid for volumetric analysis
QUALITY NAME:	for volumetric analysis
HEADLINE COMMENT:	for determination of COD
SPECIFICATIONS:	Suitability for COD determination: passes test

HAZARD PICTOGRAMS	
UN:	3264
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:	Silver Sulphate solution 6,6 g/l *in sulphuric acid
CS:	3822 00 00 00

Silver Sulfate solution 10 g/l in sulfuric acid for volumetric analysis

Assay (as Ag2SO4): 9.8 - 10.2 g/l

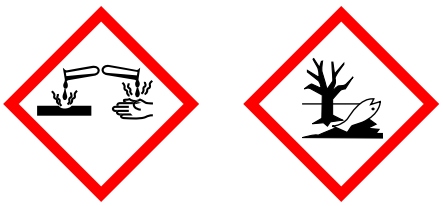
CODE	**283098**
MOLECULAR FORMULA	**Ag_2SO_4**
MOLAR MASS	**311.83 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 283098.1611	PACKAGING SIZE 1000 ml
	CODE 283098.1612	PACKAGING SIZE 2.5 l

Technical data

DENSITY:	1.84 kg/l
SOLUBILITY:	Miscible with water
PRODUCT CODE:	283098
PRODUCT NAME:	Silver Sulfate solution 10 g/l in sulfuric acid for volumetric analysis
QUALITY NAME:	for volumetric analysis
HEADLINE COMMENT:	for determination of COD according to Norme

SPECIFICATIONS:	Française NFT 90-101 Assay (as Ag2SO4): 9.8 - 10.2 g/l Suitability: for COD determination: passes test
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 GHS09
H PHRASES:	H314 H290 H410
P PHRASES:	P305+P351+P338 P310 P280
MASTER NAME:	Silver Sulphate solution 10 g/l *insulphuric acid
CS:	3822 90 00 00

Silver Sulfate (Reag. USP) for analysis, ACS

Minimum assay (Arg.): 99.0%

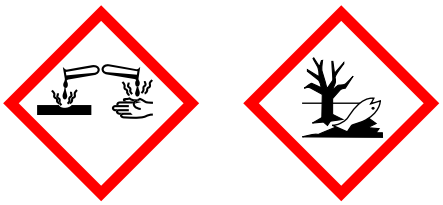
CODE	**131801**
CAS	**10294-26-5**
MOLECULAR FORMULA	**Ag_2SO_4**
MOLAR MASS	**311.83 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131801.1606	PACKAGING SIZE 25 g
	CODE 131801.1608	PACKAGING SIZE 100 g
	CODE 131801.1609	PACKAGING SIZE 250 g

Technical data

MELTING POINT:	652 °C
SOLUBILITY:	water 8 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131801
PRODUCT NAME:	Silver Sulfate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Arg.): 99.0% Identity: passes test Suitability: for COD determination according to UNE 77-004-89: passes test **Maximum limit of impurities** Insoluble matter in H2O: 0.02 % Chloride (Cl): 0.001% Non-precipitated substances by HCl (as SO4): 0.03 % Nitrate (NO3): 0.001% Ca: 0,002 % Cd: 0,0005 % Co: 0,0005 % Cu: 0,0005 % Fe: 0,001 % K: 0,005 % Mg: 0,002 % Na: 0,005 % Ni: 0,0005 % Pb: 0,0005 % Zn: 0,0005 %
HAZARD PICTOGRAMS	
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CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III

WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	H318 H410

MASTER NAME:	Silver Sulphate
EINECS:	233-653-7
CS:	2843 29 00 90

Silver Nitrate 1 mol/l (1N) volumetric solution

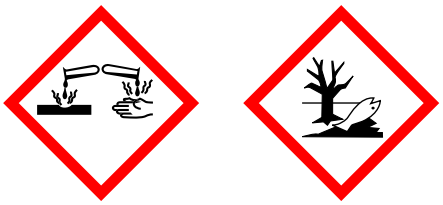
CODE	**182116**
CAS	**7761-88-8**
MOLECULAR FORMULA	**$AgNO_3$**
MOLAR MASS	**169.87 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182116.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.138 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182116
PRODUCT NAME:	Silver Nitrate 1 mol/l (1N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Potassium Chromate
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS	
UN:	1760
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	H314 H411
P PHRASES:	P260 P264 P273 P280 P301+P330+P331 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P391 P405

MASTER NAME:	Silver Nitrate 1 mol/l *(1N)
EINECS:	231-853-9
CS:	2843 21 00 00
INDEX NR.:	047-001-00-2

Sodium alginate *BioChemica*

Assay (dried subst.): 90.8 - 106.0 %

CODE	**A3249**
CAS	**9005-38-3**
MOLECULAR FORMULA	**$(C_6H_7O_6Na)_n$**
MOLAR MASS	**10000 - 600000 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A3249,0250	PACKAGING SIZE 250 g
	CODE A3249,1000	PACKAGING SIZE 1 kg
	CODE A3249,9025	PACKAGING SIZE 25 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3249
PRODUCT NAME:	Sodium alginate *BioChemica*
SPECIFICATIONS:	Assay (dried subst.): 90.8 - 106.0 %

	pH (1 %; H_2O): 5.5 - 8.0 Sulfated ash: 18 - 27 % Loss on drying: max. 15 % Viscosity (1 %; 20°C): 350 - 550 mPas Heavy metals (as Pb): max. 0.002 % As: max. 0.0003 % Pb: max. 0.0005 %
WGK:	1
STORAGE:	RT
CS:	39131000

Sodium Acetate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS

Acetic Acid Sodium Salt

Minimum assay (Perchl. Ac.): 99.0%

CODE	**131633**
CAS	**127-09-3**
MOLECULAR FORMULA	**CH_3COONa**
MOLAR MASS	**82.03 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 131633.1210	PACKAGING SIZE 500 g
	CODE 131633.1211	PACKAGING SIZE 1000 g
	CODE 131633.0914	PACKAGING SIZE 5 kg
	CODE 131633.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	324 °C
SOLUBILITY:	water 1,190 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131633
PRODUCT NAME:	Sodium Acetate anhydrous (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Perchl. Ac.): 99.0% pH of 5% solution: 7.5-9.2 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 120°C: 1.0% Chloride (Cl): 0.002% Ammonium (NH4): 0.001% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.003% Heavy Metals (ICP-OES): 0.001 % Al: 0.001 % As: 0.0001 % Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0003 % Fe: 0.0005 % K: 0.02 % Mg: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Acetate anhydrous

SYNONYMS LONG TEXT:	Acetic Acid Sodium Salt
EINECS:	204-823-8
CS:	2915 29 00 90

Sodium Acetate anhydrous for molecular biology

Assay (titr.): min. 99 %

CODE	**A4555**
CAS	**127-09-3**
MOLECULAR FORMULA	**CH_3COONa**
MOLAR MASS	**82.03 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE A4555,1000	PACKAGING SIZE 1 kg	Product active until stock lasts.

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A4555
PRODUCT NAME:	Sodium Acetate anhydrous for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99 % pH (5 %; H_2O; 20°C): 7.5 - 9.5 Phosphate: max. 0.001 % Sulfate: max. 0.005 % Al: max. 0.001 % Ca: max. 0.001 % Cu: max. 0.0003 %

	Fe: max. 0.0005 % Mg: max. 0.0005 % Pb: max. 0.0005 % K: max. 0.02 % Zn: max. 0.0005 %
WGK:	1
STORAGE:	RT
EINECS:	204-823-8
CS:	29152900

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	**$CH_3COONa.3H_2O$**
MOLAR MASS	**136.08 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141632.1211	PACKAGING SIZE 1000 g
	CODE 141632.1214	PACKAGING SIZE 5 kg
	CODE 141632.0416	PACKAGING SIZE 25 kg

ⓘ 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 Acetate 3-hydrate (Reag. USP) for analysis, ACS, ISO

Acetic Acid Sodium Salt

Assay (Perchl. Ac.): 99.0-101.0%

CODE	**131632**
CAS	**6131-90-4**
MOLECULAR FORMULA	**$CH_3COONa.3H_2O$**
MOLAR MASS	**136.08 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131632.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131632.1211	PACKAGING SIZE 1000 g	
	CODE 131632.0416	PACKAGING SIZE 25 kg	

ⓘ Technical data

MELTING POINT:	58 °C
SOLUBILITY:	water 762 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131632
PRODUCT NAME:	Sodium Acetate 3-hydrate (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Perchl. Ac.): 99.0-101.0% Identity: passes test pH of 5% solution: 7.5-9.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Reducing substances to KMnO4 (en HCOOH): 0.005 % Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.001% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.002% As: 0.00005% Heavy metals (as Pb): 0.0005% Metals by ICP [in mg/Kg (ppm)] Ag: 3 Al: 5 B: 3 Ba: 3 Be: 3 Ca: 10 Cd: 5 Co: 5 Cu: 3 Fe: 3 Ge: 3 Hg: 3 In: 3 K: 50 Li: 3 Mg: 5 Mn: 3 Mo: 3 Ni: 5 Pb: 5 Si: 3

	Sr: 3 Ti: 3 V: 3 Zn: 3 Zr: 3
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 Borohydride for analysis

Sodium Tetrahydroborane

Minimum assay (Iodom.): 96.0%

CODE	**123314**
CAS	**16940-66-2**
MOLECULAR FORMULA	**NaH_4B**
MOLAR MASS	**37.83 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 123314.1608	PACKAGING SIZE 100 g

ⓘ Technical data

MELTING POINT:	36 °C
BOILING POINT:	~ 500 °C
SOLUBILITY:	water 550 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	123314
PRODUCT NAME:	Sodium Borohydride for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Iodom.): 96.0%

Maximum limit of impurities
Chloride (Cl): 0.5%
Sulfate (SO4): 0.01%

Metals by ICP [in mg/Kg (ppm)]
As: 0.5
Bi: 5
Ca: 200
Cd: 10
Co: 10
Cr: 10
Cu: 10
Fe: 10
Hg: 0.5
K: 200
Mn: 10
Ni: 10
Pb: 10
Sb: 0.5
Se: 0.5
Zn: 10

HAZARD PICTOGRAMS	
UN:	1426
CLASS/PG:	4.3/I
ADR:	4.3/I
IMDG:	4.3/I
IATA:	4.3/I
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02

	GHS06 GHS05
H PHRASES:	H260 H301 H314 H250
P PHRASES:	P223 P231+P232 P260 P264 P270 P280 P301+P310 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P370+P378 P402+P404 P405 P501

MASTER NAME:	Sodium Borohydride
SYNONYMS LONG TEXT:	Sodium Tetrahydroborane
EINECS:	241-004-4
CS:	2850 00 20 50

Sodium Borohydride, 96% for synthesis

Sodium Tetrahydroborane

Minimum assay (Iodom.): 96%

CODE	**163314**
CAS	**16940-66-2**
MOLECULAR FORMULA	**NaH_4B**
MOLAR MASS	**37.83 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 163314.1608	PACKAGING SIZE 100 g	Product active until stock lasts.

Technical data

MELTING POINT:	36 °C
BOILING POINT:	~ 500 °C
SOLUBILITY:	water 550 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	163314
PRODUCT NAME:	Sodium Borohydride, 96% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Iodom.): 96%

HAZARD PICTOGRAMS	
UN:	1426
CLASS/PG:	4.3/I
ADR:	4.3/I
IMDG:	4.3/I
IATA:	4.3/I
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS05
H PHRASES:	H260 H301 H314 H250
P PHRASES:	P223 P231+P232 P260 P264 P270 P280 P301+P310 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330

	P338 P363 P370+P378 P402+P404 P405 P501
MASTER NAME:	Sodium Borohydride
SYNONYMS LONG TEXT:	Sodium Tetrahydroborane
EINECS:	241-004-4
CS:	2850 00 20 50

Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade

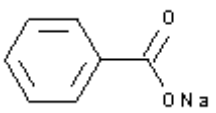
Benzenecarboxylic Acid Sodium Salt, Benzoic AcidSodium Salt, Phenylformic Acid Sodium Salt

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



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 Azide (Reag. USP, Ph. Eur.) for analysis

Assay (cerim.): min. 99.0 %

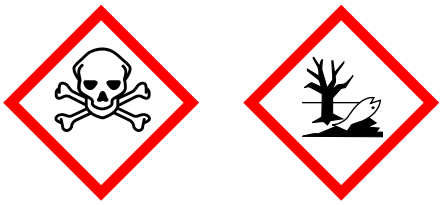
CODE	**122712**
CAS	**26628-22-8**
MOLECULAR FORMULA	**NaN_3**
MOLAR MASS	**65.01 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 122712.1608	PACKAGING SIZE 100 g
	CODE 122712.1611	PACKAGING SIZE 1000 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	122712
PRODUCT NAME:	Sodium Azide (Reag. USP, Ph. Eur.) for analysis
SPECIFICATIONS:	Assay (cerim.): min. 99.0 % Alkaline reacting subst.: max. 0.1 % Loss on drying: max. 0.1 % Insoluble matter in H_2O: max. 0.3 %

	Chloride (NaCl): max. 0.05 %
HAZARD PICTOGRAMS	
UN:	1687
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS09
H PHRASES:	EUH032 H300+H310 H410
P PHRASES:	P280 P301+P310 P321 P330 P361+P364 P405 P501
EINECS:	247-852-1
CS:	28500060
INDEX NR.:	011-004-00-7

Sodium Azide pure

Assay (titr.): min. 99 %

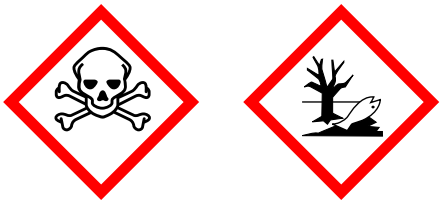
CODE	**A1430**
CAS	**26628-22-8**
MOLECULAR FORMULA	**NaN_3**
MOLAR MASS	**65.01 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A1430,0100	PACKAGING SIZE 100 g
	CODE A1430,0500	PACKAGING SIZE 500 g
	CODE A1430,1000	PACKAGING SIZE 1 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1430
PRODUCT NAME:	Sodium Azide pure
SPECIFICATIONS:	Assay (titr.): min. 99 % Solubility (H_2O; 17°C): 420 g/L

	Loss on drying: max. 0.25 % Insoluble matter in H_2O: max. 0.05 % Carbonate (as Na_2CO_3): max. 0.25 %
HAZARD PICTOGRAMS	
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CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS09
H PHRASES:	EUH032 H300+H310 H410
P PHRASES:	P280 P301+P310 P321 P330 P361+P364 P405 P501
EINECS:	247-852-1
CS:	28500060
INDEX NR.:	011-004-00-7

Sodium Chloride solution 0.9 %, sterile

CODE

A1671

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE A1671,0100	PACKAGING SIZE 100 ml
	CODE A1671,0250	PACKAGING SIZE 250 ml
	CODE A1671,0500	PACKAGING SIZE 500 ml
	CODE A1671,1000	PACKAGING SIZE 1 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	A1671
PRODUCT NAME:	Sodium Chloride solution 0.9 %, sterile
SPECIFICATIONS:	pH (20°C): 5.0 - 7.5
WGK:	1

STORAGE:	RT
EINECS:	231-598-3
CS:	38221900

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 141648.0914	PACKAGING SIZE 5 kg
	CODE 141648.0416	PACKAGING SIZE 25 kg

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
MASTER NAME:	Sodium Carbonate anhydrous
EINECS:	207-838-8
CS:	2836 20 00 00
INDEX NR.:	011-005-00-2

Sodium Carbonate 10-hydrate pure

Assay (Acidim.): 98-102 %

CODE	**141647**
CAS	**6132-02-1**
MOLECULAR FORMULA	**$Na_2CO_3.10H_2O$**
MOLAR MASS	**286.14 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141647.04110	PACKAGING SIZE 22 kg	
	CODE 141647.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	34 °C
SOLUBILITY:	water 210 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141647
PRODUCT NAME:	Sodium Carbonate 10-hydrate pure
QUALITY NAME:	pure

SPECIFICATIONS:	Assay (Acidim.): 98-102 % Insoluble matter in H2O: 0.025 % Chloride (Cl): 0.005% Nitrogen compounds (as N): 0.002% Sulfur compounds (as SO4): 0.01 % Phosphate (PO4): 0.002 % Heavy metals (as Pb): 0.002% As: 0.0001 % Ca: 0.01 % Cu: 0.001 % Fe: 0.001 % K: 0.05 % Mg: 0.01 % Ni: 0.001 % Pb: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Not recommended in areas with a very hot climate
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313
MASTER NAME:	Sodium Carbonate 10-hydrate
EINECS:	207-838-8
CS:	2836 20 00 00
INDEX NR.:	011-005-00-2

Sodium Carbonate 10-hydrate for analysis, ISO

Assay (Acidim.): 99.0-102.0%

CODE	**131647**
CAS	**6132-02-1**
MOLECULAR FORMULA	**$Na_2CO_3.10H_2O$**
MOLAR MASS	**286.14 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 131647.1211	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	34 °C
SOLUBILITY:	water 210 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131647
PRODUCT NAME:	Sodium Carbonate 10-hydrate for analysis, ISO
QUALITY NAME:	for analysis, ISO
SPECIFICATIONS:	Assay (Acidim.): 99.0-102.0%
	Maximum limit of impurities

	Insoluble matter in H2O: 0.005 % Reducing substances of I2: 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.0005% Sulfur compounds (as SO4): 0.003 % Phosphate (PO4): 0.001 % Silicate (as SiO2): 0.003% Precipitated by NH4OH: 0.01% Heavy metals (as Pb): 0.0005% Al: 0.0005 % As: 0.0001 % Ca: 0.003 % Cu: 0.0005 % Fe: 0.0003 % K: 0.005 % Mg: 0.0003 % Ni: 0.0005 % Pb: 0.0005 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Not recommended in areas with a very hot climate
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313
MASTER NAME:	Sodium Carbonate 10-hydrate
EINECS:	207-838-8

CS:	2836 20 00 00
INDEX NR.:	011-005-00-2

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 Chloride for molecular biology

Assay (titr.): min. 99.0 %

CODE	**A2942**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A2942,1000	PACKAGING SIZE 1 kg
	CODE A2942,5000	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	358 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2942
PRODUCT NAME:	Sodium Chloride for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99.0 % pH (5 %; H_2O; 20°C): 5.0 - 8.0 Heavy metals (as Pb): max. 0.0005 %

	Bromide: max. 0.01 % Iodide: no blue color Phosphate: max. 0.0025 % Sulfate: max. 0.02 % Ba: max. 0.001 % Fe: max. 0.0002 % K: max. 0.05 % Mg/Alk. earth metals (calc. as Ca): max. 0.01 %
WGK:	1
STORAGE:	RT
EINECS:	231-598-3
CS:	25010099

Sodium Chloride for analysis, ACS, ISO, BioChemica

Minimum assay (Arg.): 99.5%

CODE	**131659**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE
	131659.1210	500 g
	131659.1211	1000 g
	131659.1214	5 kg
	131659.0416	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:	131659
PRODUCT NAME:	Sodium Chloride for analysis, ACS, ISO, BioChemica
QUALITY NAME:	for analysis, ACS, ISO, BioChemica
SPECIFICATIONS:	Minimum assay (Arg.): 99.5% pH of 5% solution: 5.0-8.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 105°C: 0.2% Nitrogen compounds (as N): 0.001% Bromide (Br): 0.005 % Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.001% Iodide (I): 0.001 % Absorbance UV (1 cm cell; Ref.:Water) ABS at 280 nm 1 M sol in water: 0,01 ABS at 260 nm 1 M sol in water: 0,01 Chlorate and nitrate (as NO3): 0.003% Hexacyanoferrate(II) and (III) [Fe(CN)6]: 0.0001% Heavy Metals (ICP-OES): 0.0005 % As: 0,00004 % Ba: 0,0005 % Ca: 0,002 % Cu: 0,0002 % Fe: 0,0001 % K: 0,005 % Mg: 0,001 % Ni: 0,0005 % Pb: 0,0002 %

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Chloride
EINECS:	231-598-3
CS:	2501 00 99 00

Sodium Chloride *BioChemica*

Assay (titr.): min. 99.5 %

CODE	**A1149**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1149,9025	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	358 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1149
PRODUCT NAME:	Sodium Chloride *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99.5 % pH (5 %; H_2O; 20°C): 5.0 - 8.0 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Bromide: max. 0.005 % Iodide: max. 0.001 % Phosphate: max. 0.001 % Sulfate: max. 0.01 %

	A (1 cm/1 M in H_2O) 260 nm: max. 0.01 280 nm: max. 0.01
WGK:	1
STORAGE:	RT
EINECS:	231-598-3
CS:	25010099

Sodium Chloride ASTM B117, ISO 9227

Minimum assay (Arg.): 99.7%

CODE	**171659**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 171659.1211	PACKAGING SIZE 1000 g
	CODE 171659.0415	PACKAGING SIZE 10 kg
	CODE 171659.0416	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:	171659
PRODUCT NAME:	Sodium Chloride ASTM B117, ISO 9227
HEADLINE COMMENT:	for saline spray (fog)
SPECIFICATIONS:	Minimum assay (Arg.): 99.7% Maximum limit of impurities Anti-caking Agents: 0.0% Sodium Iodide (NaI): 0.1% Halides (Bromide, Fluoride, Iodide): 0.1% Total impurities: 0.2% Cu: 0,00003 % Ni: 0,001 % Pb: 0,0025 % According to ASTM B117-19 and ISO 9227-17

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Chloride
EINECS:	231-598-3
CS:	2501 00 99 00

Sodium Chloride 5 mol/l (5 M) for molecular biology

CODE

A7006

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A7006,1000	PACKAGING SIZE 1 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	A7006
PRODUCT NAME:	Sodium Chloride 5 mol/l (5 M) for molecular biology
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable **Composition:** NaCl: 292.2 g/L
WGK:	1
STORAGE:	RT
EINECS:	231-598-3
CS:	25010099

Sodium Chloride with anticaking (F.C.C.) food grade, pure

Assay (as NaCl) after drying at 625°C: 99.0-100.5%

CODE	**206994**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 206994.1214	PACKAGING SIZE 5 kg
	CODE 206994.0416	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:	206994

PRODUCT NAME:	Sodium Chloride with anticaking (F.C.C.) food grade, pure
QUALITY NAME:	food grade, pure
SPECIFICATIONS:	Assay (as NaCl) after drying at 625°C: 99.0-100.5% Identity Chloride: passes test Sodium: passes test Appearance: passes test Loss on drying , not more than: 0.5% Ferrocyanide (as Na_4 $Fe(CN)_6$), not more than: 0.0013 % Calcium and Magnesium, not more than: 0.35% Barium, not more than: 300 ppm Sodium nitrite, not more than: 0.5 % Arsenic (as As), not more than: 1 ppm Heavy metals (as Pb) , not more than: 2 ppm Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Chloride with anticaking
EINECS:	231-598-3
CS:	2501 00 99 00

Sodium Chloride solution ASTM B117, ISO 9227

Assay (Arg.): 4.5-5.5 %

CODE	**175305**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 175305.0716	PACKAGING SIZE 25 l

Technical data

DENSITY:	1.035 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	175305
PRODUCT NAME:	Sodium Chloride solution ASTM B117, ISO 9227
HEADLINE COMMENT:	for saline spray (fog)
SPECIFICATIONS:	Assay (Arg.): 4.5-5.5 % pH at 23+-3 / 35 °C: 6.5-7.2 Density 25/4: 1.029 - 1.036

Maximum limit of impurities

	Anti-caking Agents: 0.0% Sodium Iodide (NaI): 0.1 % Halides (Bromide, Fluoride, Iodide): 0.1% Total impurities: 0.2% Cu: 0,00003 % Ni: 0,001 % Pb: 0,0025% This product has been manufactured with Sodium Chloride which passes the ASTM B117-19 and ISO 9227-17 specifications and Water Type IV which passes ASTM D1193-06 specifications.
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Chloride solution ASTM B117
EINECS:	231-598-3
CS:	2501 00 99 00

Sodium Chloride pure, free-flowing

Assay (titr.): min. 99 %

CODE	**146994**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 146994.1214	PACKAGING SIZE 5 kg	Product active until stock lasts.

Technical data

SOLUBILITY:	358 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	146994
PRODUCT NAME:	Sodium Chloride pure, free-flowing
SPECIFICATIONS:	Assay (titr.): min. 99 % Insoluble matter: max. 0.005 % Sodium nitrite: max. 0.5 %
WGK:	1
STORAGE:	RT

EINECS:	231-598-3
CS:	25010099

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
	141659.1211	1000 g
	141659.1214	5 kg
	141659.0416	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 Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade

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

CODE	**631659**
CAS	**7647-14-5**
MOLECULAR FORMULA	**NaCl**
MOLAR MASS	**58.44 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 631659.0416	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:	631659
PRODUCT NAME:	Sodium Chloride (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade
QUALITY NAME:	low endotoxin, IPEC grade

SPECIFICATIONS:	Assay (Arg.) calc. a.d.s.: 99.0-100.5% Identity according to Pharmacopoeias: Sodium: passes test Chloride: passes test Maximum limit of impurities Appearance of solution Appearance Clear < formazin I: passes test Appearance Colourless: passes test Acidity or alkalinity (< 0.5 ml HCl or NaOH 0.01M): passes test Loss on drying at 105°C: 0.5% Bromide (Br): 0.0100% Phosphate (PO4): 0.0025 % Sulfate (SO4): 0.0200% Iodide: passes test Residual solvents (Ph.Eur/USP): passes test Bacterial endotoxins: 5 UI/g Microbial Limits Total Aerobic Microbial Count (TAMC): 100 cfu/g Total combined yeast and moulds (TYMC): 10 cfu/g Magnesium and alkaline-earth metals (as Ca): 0.0100% Ferrocyanides: passes test Nitrite (ABS sol 10%, in water at 354 nm, 1 cm): 0.01 Heavy metals (as Pb) JP: 0.0003 % 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 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	**$NaH_2PO_4.2H_2O$**
MOLAR MASS	**156.01 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141677.1211	PACKAGING SIZE 1000 g
	CODE 141677.1214	PACKAGING SIZE 5 kg
	CODE 141677.0416	PACKAGING SIZE 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 2-hydrate for analysis

Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic

Assay (Acidim.): 99.0-101.0%

CODE	**121677**
CAS	**13472-35-0**
MOLECULAR FORMULA	**$NaH_2PO_4.2H_2O$**
MOLAR MASS	**156.01 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 121677.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 121677.1214	PACKAGING SIZE 5 kg	Product active until stock lasts.
	CODE 121677.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 141677.0416 (please check specifications).

Technical data

MELTING POINT:	60 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121677
PRODUCT NAME:	Sodium di-Hydrogen Phosphate 2-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Assay (Acidim.): 99.0-101.0% pH of 5% solution: 4.2-4.5 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.003% Heavy metals (as Pb): 0.0005% As: 0.00005 % Ca: 0.005 % Cu: 0.0002 % Fe: 0.0005 % Mg: 0.005 % Ni: 0.001 % Pb: 0.0002 %
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	**$NaH_2PO_4.H_2O$**
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 di-Hydrogen Phosphate 1-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic

Assay (Acidim.): 99.0-102.0%

CODE	**131965**
CAS	**10049-21-5**
MOLECULAR FORMULA	**$NaH_2PO_4.H_2O$**
MOLAR MASS	**137.99 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131965.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131965.1211	PACKAGING SIZE 1000 g	
	CODE 131965.0915	PACKAGING SIZE 10 kg	
	CODE 131965.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 131965.0915 (please check specifications).

Technical data

SOLUBILITY:	water 1,103 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131965
PRODUCT NAME:	Sodium di-Hydrogen Phosphate 1-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Acidim.): 99.0-102.0% pH of 5% solution: 4.1-4.5 Maximum limit of impurities Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.003% Heavy Metals (ICP-OES): 0.0005 % As: 0.00005 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.005 % Mg: 0.005 % Ni: 0.0005 % Pb: 0.0005 %

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 Chlorite solution 25% w/w for synthesis

Minimum assay (Iodom.): 24 %*

CODE	**161977**
CAS	**7758-19-2**
MOLECULAR FORMULA	**$NaClO_2$**
MOLAR MASS	**90.44 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 161977.1211	PACKAGING SIZE 1000 ml	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

ⓘ Technical data

DENSITY:	1.21 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	161977
PRODUCT NAME:	Sodium Chlorite solution 25% w/w for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Iodom.): 24 %* * At the moment of the batch analysis.

HAZARD PICTOGRAMS	
UN:	1908
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H332 H312 H302 EUH032
P PHRASES:	P261 P264 P270 P271 P301+P312 P501 P302+P352 P304+P340 P312 P322 P330 P363
MASTER NAME:	Sodium Chlorite solution 25% w/w

EINECS:	231-836-6
CS:	2828 90 00 00

Sodium Fluoride (Reag. USP) for analysis, ACS, ISO

Minimum assay (Compl.): 99.0%

CODE	**131675**
CAS	**7681-49-4**
MOLECULAR FORMULA	**NaF**
MOLAR MASS	**41.99 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131675.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131675.1211	PACKAGING SIZE 1000 g	
	CODE 131675.0416	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:	131675
PRODUCT NAME:	Sodium Fluoride (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (Compl.): 99.0% **Maximum limit of impurities** Acidity: 0.025 meq/g Alkalinity: 0.01 meq/g Insoluble matter in H2O: 0.005 % Loss on drying at 150°C: 0.2% Chloride (Cl): 0.002% Phosphate (PO4): 0.001 % Sulfate (SO4): 0.005% Sulfite (SO3): 0.005% Sodium fluorosilicate (NaSiF6): 0.1% Heavy metals (as Pb): 0.001% Cu: 0.0005 % Fe: 0.002 % K: 0.01 % Ni: 0.003 % Pb: 0.001 %
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
EINECS:	231-667-8
CS:	2826 19 10 00
INDEX NR.:	009-004-00-7

Sodium Dithionite technical grade

Sodium Hydrosulphite, Sodium Hypodisulphite, Sodium Sulphoxylate

Assay (Iodom.): 85 %*

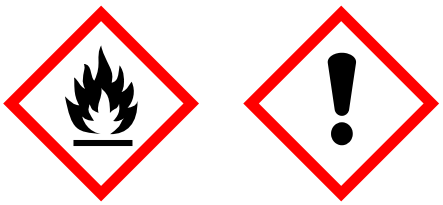
CODE	**211685**
CAS	**7775-14-6**
MOLECULAR FORMULA	**$Na_2S_2O_4$**
MOLAR MASS	**174.11 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 211685.1611	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	> 100 °C
SOLUBILITY:	water 224 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	211685
PRODUCT NAME:	Sodium Dithionite technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Iodom.): 85 %* Insoluble matter in H2O: passes test Cu: 0.002 %

	Fe: 0.002 % Ni: 0.002 % Pb: 0.002 % * At the moment of the batch analysis.
HAZARD PICTOGRAMS	
UN:	1384
CLASS/PG:	4.2/II
ADR:	4.2/II
IMDG:	4.2/II
IATA:	4.2/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	EUH031 H251 H302
P PHRASES:	P235+P410 P264 P270 P280 P301+P312 P501 P330 P407 P413 P420

MASTER NAME:	Sodium Dithionite
SYNONYMS LONG TEXT:	Sodium Hydrosulphite, Sodium Hypodisulphite, Sodium Sulphoxylate
EINECS:	231-890-0
CS:	2831 10 00 00
INDEX NR.:	016-028-00-1

Sodium Disulfite (USP-NF, BP, Ph. Eur.) pure, pharma grade

Sodium Metabisulphite, Sodium Pyrosulphite

Assay (as SO2) (Iodom.): 65.0-67.4 %

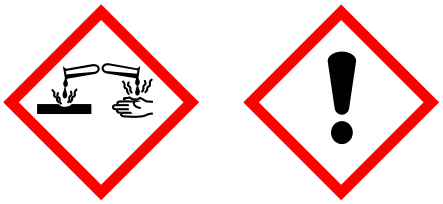
CODE	**141698**
CAS	**7681-57-4**
MOLECULAR FORMULA	**$Na_2S_2O_5$**
MOLAR MASS	**190.10 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141698.1211	PACKAGING SIZE 1000 g
	CODE 141698.1214	PACKAGING SIZE 5 kg
	CODE 141698.0416	PACKAGING SIZE 25 kg

ⓘ 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 Disulfite (Reag. USP) for analysis, ACS

Sodium Metabisulphite, Sodium Pyrosulphite

Minimum assay (Iodom.): 97.0%

CODE	**131698**
CAS	**7681-57-4**
MOLECULAR FORMULA	**$Na_2S_2O_5$**
MOLAR MASS	**190.10 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131698.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

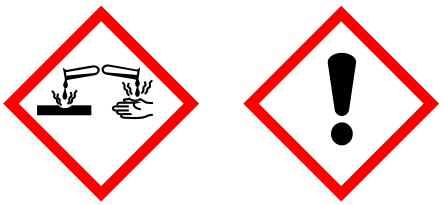
ⓘ Technical data

SOLUBILITY:	water 470 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131698
PRODUCT NAME:	Sodium Disulfite (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 97.0%
	Maximum limit of impurities

Insoluble matter in H2O: 0.005 %
Chloride (Cl): 0.005%
Phosphate (PO4): 0.002 %
Thiosulfate (S2O3): 0.05%
As: 0.0001%
Heavy metals (as Pb): 0.001%

Metals by ICP [in mg/Kg (ppm)]
Al: 5
Au: 5
Ba: 5
Bi: 5
Cd: 5
Co: 5
Cr: 10
Cu: 10
Fe: 10
Ga: 5
In: 5
Mg: 5
Mn: 10
Mo: 5
Ni: 10
Pb: 10
Pt: 5
Sb: 5
Si: 5
Sn: 5
Sr: 5
Ti: 5
Tl: 10
V: 5
Zn: 10
Zr: 5

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 anhydrous for analysis

Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic

Assay (Acidim.): 99-100.5 %

CODE	**122018**
CAS	**7558-80-7**
MOLECULAR FORMULA	**NaH_2PO_4**
MOLAR MASS	**120.00 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 122018.1210	PACKAGING SIZE 500 g

Technical data

SOLUBILITY:	Miscible with ethanol
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	122018
PRODUCT NAME:	Sodium di-Hydrogen Phosphate anhydrous for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Assay (Acidim.): 99-100.5 % pH of 5% solution: 4.1-4.7

	Maximum limit of impurities Insoluble matter in H2O: 0.05 % Chloride (Cl): 0.002% Nitrogen compounds (as N): 0.002% Sulfate (SO4): 0.005% As: 0.0001 % Ca: 0.01 % Cu: 0.001 % Fe: 0.001 % Mg: 0.01 % Ni: 0.001 % Pb: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium di-Hydrogen Phosphate anhydrous
SYNONYMS LONG TEXT:	Sodium Phosphate , primary, Sodium Phosphate Acid, Sodium Phosphate mono-Basic
EINECS:	231-449-2
CS:	2835 22 00 00

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 141638.1214	PACKAGING SIZE 5 kg
	CODE 141638.0416	PACKAGING SIZE 25 kg

ⓘ 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
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Hydrogen Carbonate
SYNONYMS LONG TEXT:	Sodium Bicarbonate
EINECS:	205-633-8
CS:	2836 30 00 00

Sodium Hydrogen Carbonate (Reag. USP) for analysis, ACS, ISO

Sodium Bicarbonate

Assay (Acidim.): 99.7-100.3 %

CODE **131638**

CAS **144-55-8**

MOLECULAR FORMULA **$NaHCO_3$**

MOLAR MASS **84.01 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131638.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131638.1211	PACKAGING SIZE 1000 g	
	CODE 131638.0416	PACKAGING SIZE 25 kg	

ⓘ Technical data

SOLUBILITY:	water 100 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131638
PRODUCT NAME:	Sodium Hydrogen Carbonate (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Acidim.): 99.7-100.3 % Identity: passes test Maximum limit of impurities Insoluble matter in H2O: 0.01 % Reducing substances of I2 (en I): 0.005 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.0005% Sulfur compounds (as SO4): 0.003 % Ammonium (NH4): 0.0005 % Phosphate (PO4): 0.001 % Silicate SiO2: 0.005% As: 0.00004 % Heavy Metals (ICP-OES): 0.0005 % Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Ba: 5 Bi: 5 Ca: 100 Cd: 5 Co: 5 Cr: 5 Cu: 5 Fe: 5 K: 50 Li: 20 Mg: 50 Mn: 5 Mo: 5 Ni: 5 Pb: 5 Sr: 5 Tl: 5 Zn: 5

WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Hydrogen Carbonate
SYNONYMS LONG TEXT:	Sodium Bicarbonate
EINECS:	205-633-8
CS:	2836 30 00 00

Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) IPEC grade

Sodium Bicarbonate

Assay (Ph. Eur.) (Acidim.): 99.0-101.0%

CODE	**631638**
CAS	**144-55-8**
MOLECULAR FORMULA	**$NaHCO_3$**
MOLAR MASS	**84.01 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 631638.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

SOLUBILITY:	water 100 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	631638
PRODUCT NAME:	Sodium Hydrogen Carbonate (Ph. Eur, BP, USP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (Ph. Eur.) (Acidim.): 99.0-101.0% Assay USP (Acidim) calc. a.d.s.: 99.0-100.5%

	Identity according to Pharmacopoeias: Bicarbonate: passes test Sodium: passes test Maximum limit of impurities Appearance of solution Appearance Transparent < formazin 50: passes test Appearance Colourless: passes test Insoluble substances: passes test Loss on drying: 0.25% Chloride (Cl): 0.015% Sulfur compounds (SO4): 0.015% Sulfate (SO4): 0.015% Carbonate Ph. Eur., pH sol 5% < 8.6: passes test Carbonate normal USP: passes test Residual solvents (Ph.Eur/USP): passes test Ammonia USP: passes test Ammonium Ph. Eur (NH4): 0.002% As: 0.0002% Ca: 0.01% Fe: 0.002%
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Hydrogen Carbonate
SYNONYMS LONG TEXT:	Sodium Bicarbonate
EINECS:	205-633-8
CS:	2836 30 00 00

Sodium Hexanitrocobaltate(III) (Reag. USP, Ph. Eur.) for analysis, ACS

Cobalt (III) and Sodium Nitrite, Sodium and Cobalt(III) Nitrite, Sodium Cobaltinitrite, tri-Sodium Hexakis(Nitrito-N)Cobaltate(3-)

CODE	**131663**
CAS	**13600-98-1**
MOLECULAR FORMULA	**$Na_3Co(NO_2)_6$**
MOLAR MASS	**403.94 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE	PACKAGING SIZE
	131663.1208	100 g
	CODE 131663.0914	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	water 720 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131663
PRODUCT NAME:	Sodium Hexanitrocobaltate(III) (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Suitability: for K determination: passes test **Maximum limit of impurities** Insoluble matter in CH3COOH dil: 0.02 % Chloride (Cl): 0.005% Sulfate (SO4): 0.01% Fe: 0.0005 % K: 0.01 %
HAZARD PICTOGRAMS	
UN:	1479
CLASS/PG:	5.1/III
ADR:	5.1/III
IMDG:	5.1/III
IATA:	5.1/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS03
H PHRASES:	H350 H272
P PHRASES:	P201 P202 P210 P220 P221 P501

	P280 P281 P308+P313 P370+P378 P405
MASTER NAME:	Sodium Hexanitrocobaltate(III)
SYNONYMS LONG TEXT:	Cobalt (III) and Sodium Nitrite, Sodium and Cobalt(III) Nitrite, Sodium Cobaltinitrite, tri-Sodium Hexakis(Nitrito-N)Cobaltate(3-)
EINECS:	237-077-7
CS:	2842 90 80 80

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
EINECS:	231-667-8
CS:	2826 19 10 00
INDEX NR.:	009-004-00-7

Sodium Iodide for analysis, ACS

Minimum assay (Arg.): 99.5%

CODE	**131726**
CAS	**7681-82-5**
MOLECULAR FORMULA	**NaI**
MOLAR MASS	**149.89 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131726.1609	PACKAGING SIZE 250 g
	CODE 131726.1214	PACKAGING SIZE 5 kg

Technical data

MELTING POINT:	661 °C
BOILING POINT:	1,304 °C
SOLUBILITY:	water 1,790 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131726
PRODUCT NAME:	Sodium Iodide for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Arg.): 99.5% pH of 5% solution: 6.0-9.0 **Maximum limit of impurities** Insoluble matter in H2O: 0.01 % Phosphate (PO4): 0.001 % Sulfate (SO4): 0.005% Chloride and bromide (as Cl): 0.01% Iodate (IO3): 0.0003% Heavy metals (as Pb): 0.0005% **Metals by ICP [in mg/Kg (ppm)]** Ba: 20 Ca: 20 Fe: 5 K: 100 Mg: 10
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS09
H PHRASES:	H400
MASTER NAME:	Sodium Iodide
EINECS:	231-679-3
CS:	2827 60 00 00

Sodium Hypochlorite solution 5 % w/v technical grade

Assay (Iodom.): 5 % ± 0.5 % *

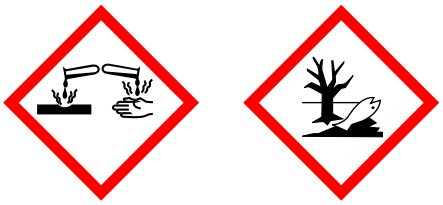
CODE	212297
CAS	7681-52-9
MOLECULAR FORMULA	NaClO in H_2O
MOLAR MASS	74.45 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 212297.1211	PACKAGING SIZE 1000 ml
	CODE 212297.1214	PACKAGING SIZE 5 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	212297
PRODUCT NAME:	Sodium Hypochlorite solution 5 % w/v technical grade
HEADLINE COMMENT:	* At the moment of the batch analysis.
SPECIFICATIONS:	Assay (Iodom.): 5 % ± 0.5 % *

HAZARD PICTOGRAMS	
UN:	1791
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	< 20°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	EUH031 H290 H314 H400 H411
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
CS:	28289000
INDEX NR.:	017-011-00-1

Sodium Hypochlorite solution 13 % w/v technical grade

Assay (active chlorine, iodom.): 10.0 - 14.0 %

CODE	**213322**
CAS	**7681-52-9**
MOLECULAR FORMULA	**NaClO in H_2O**
MOLAR MASS	**74.45 g/mol**

Packs sizes (3)

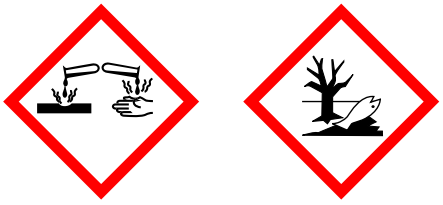
	CODE	PACKAGING SIZE
	CODE 213322.1211	PACKAGING SIZE 1000 mL
	CODE 213322.1214	PACKAGING SIZE 5 L
	CODE 213322.0715	PACKAGING SIZE 10 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	213322
PRODUCT NAME:	Sodium Hypochlorite solution 13 % w/v technical

HEADLINE COMMENT:	grade * The specification refers to the date of filling. Depending on the length of storage and temperature a decrease in the concentration of the active chlorine is expected.
SPECIFICATIONS:	Assay (active chlorine, iodom.): 10.0 - 14.0 % NaCl: max. 11.5 %

HAZARD PICTOGRAMS



UN:	1791
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	< 20°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	EUH031 H290 H314 H400 H411
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321

	P405 P501
CS:	28289000
INDEX NR.:	017-011-00-1

Sodium Hypochlorite solution 10% w/v technical grade

Assay (Iodom.): 10 %*

CODE	211921
CAS	7681-52-9
MOLECULAR FORMULA	NaClO
MOLAR MASS	74.44 g/mol

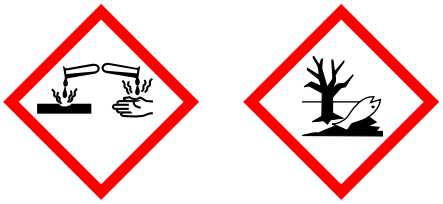
Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 211921.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 211921.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 213322.1214 (please check specifications).

Technical data

DENSITY:	1.18 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	211921
PRODUCT NAME:	Sodium Hypochlorite solution 10% w/v technical

	grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Iodom.): 10 %* * At the moment of the batch analysis.

HAZARD PICTOGRAMS	
UN:	1791
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	EUH031 H314 H290 H318 H400 H411
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 Hypochlorite solution 10% w/v
EINECS:	231-668-3
CS:	2828 90 00 00
INDEX NR.:	017-011-00-1

Sodium Hydrogen Sulfite solution 40% w/v technical grade

Sodium Bisulphite

Assay (Iodom.): 40%

CODE	**211642**
CAS	**7631-90-5**
MOLECULAR FORMULA	**$NaHSO_3$**
MOLAR MASS	**104.06 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 211642.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	- 44 °C
BOILING POINT:	146 °C
DENSITY:	1.260 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	211642
PRODUCT NAME:	Sodium Hydrogen Sulfite solution 40% w/v technical grade
QUALITY NAME:	technical grade

SPECIFICATIONS:	Assay (Iodom.): 40%
HAZARD PICTOGRAMS	
UN:	2693
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302 EUH031
P PHRASES:	P264 P270 P301+P312 P330 P501
MASTER NAME:	Sodium Hydrogen Sulphite solution 40% w/v
SYNONYMS LONG TEXT:	Sodium Bisulphite
EINECS:	231-548-0
CS:	2832 10 00 00
INDEX NR.:	016-064-00-8

Sodium Molybdate 2-hydrate pure

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

CODE	**141701**
CAS	**10102-40-6**
MOLECULAR FORMULA	**$Na_2MoO_4.2H_2O$**
MOLAR MASS	**241.95 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 141701.1209	PACKAGING SIZE 250 g	Product discontinued. Alternative 141701.1211 (please check specifications).
	CODE 141701.1211	PACKAGING SIZE 1000 g	

ⓘ Technical data

SOLUBILITY:	water 560 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141701
PRODUCT NAME:	Sodium Molybdate 2-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Compl.) (calc. a.a.s): 98.0-100.5 %

	pH of 5% solution: 7.0-10.5 Insoluble matter in H2O: 0.02 % Loss on drying at 140°C: 14.0-16.0 % Chloride (Cl): 0.015% Ammonium (NH4): 0.001% Phosphate (PO4): 0.005 % Sulfate (SO4): 0.05% Heavy metals (as Pb): 0.001% Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Molybdate 2-hydrate
EINECS:	231-551-7
CS:	2841 70 00 90

Sodium meta-Periodate (Reag. USP, Ph. Eur.) for analysis, ACS

Sodium Metaperiodate, Sodium Periodate, Sodium Tetroxoiodate(VII)

Assay (Iodom.) (a.d.s.): 99.8-100.3%

CODE	**131700**
CAS	**7790-28-5**
MOLECULAR FORMULA	**$NaIO_4$**
MOLAR MASS	**213.89 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131700.1208	PACKAGING SIZE 100 g	Product discontinued. Alternative 131700.1209 (please check specifications).
	CODE 131700.1209	PACKAGING SIZE 250 g	
	CODE 131700.1214	PACKAGING SIZE 5 kg	

Technical data

MELTING POINT:	300 °C
SOLUBILITY:	water 100 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131700
PRODUCT NAME:	Sodium meta-Periodate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Iodom.) (a.d.s.): 99.8-100.3% Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on drying at 110°C: 0.05% Sulfate (SO4): 0.01% Iodide (I): 0.001% Bromide, chlorate and chloride (as Cl): 0.02% Ca: 0.01 % Mg: 0.002 % Mn: 0.0003 %
HAZARD PICTOGRAMS	
UN:	1479
CLASS/PG:	5.1/II
ADR:	5.1/II
IMDG:	5.1/II
IATA:	5.1/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03

H PHRASES:	H272
P PHRASES:	P210 P220 P221 P280 P370+P378

MASTER NAME:	Sodium meta-Periodate
SYNONYMS LONG TEXT:	Sodium Metaperiodate, Sodium Periodate, Sodium Tetroxoiodate(VII)
EINECS:	232-197-6
CS:	2829 90 10 00

Sodium Lactate solution 50% w/w (USP, BP, Ph. Eur.) pure, pharma grade

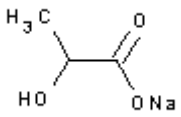
2-Hydroxypropanoic Acid Sodium Salt

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.



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

L(+)-Sodium Lactate crystalline *BioChemica*

Assay (titr.): min. 99 %

CODE	**A1004**
CAS	**867-56-1**
MOLECULAR FORMULA	**$C_3H_5NaO_3$**
MOLAR MASS	**112.06 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A1004,0100	PACKAGING SIZE 100 g
	CODE A1004,1000	PACKAGING SIZE 1 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1004
PRODUCT NAME:	L(+)-Sodium Lactate crystalline *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % α20°C/D; 1 %, H_2O: -12° - -13° Solubility (H_2O): readily soluble Heavy metals (as Pb): max. 0.0005 %

	Water (K.F.): max. 1.0 %
WGK:	1
STORAGE:	2 - 8°C
EINECS:	212-762-3
CS:	29181100

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

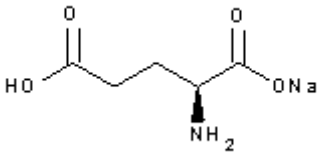
$NaCOOHCOONH_2CH(CH_2)_2.H_2O$

MOLAR MASS

187.13 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 141683.0914	PACKAGING SIZE 5 kg



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 Perborate 4-hydrate (BP, Ph. Eur.) pure, pharma grade

Assay (Perm.): 96.0-103.0 %

CODE	**145642**
CAS	**10486-00-7**
MOLECULAR FORMULA	**$NaBO_3.4H_2O$**
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.

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 Pentacyanonitrosoferrate(III) 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Disodium Pentakis(cyano-C)Nitrosylferrate (2-), Sodium Nitroferricyanide, Sodium Nitroprussiate, Sodium Nitroprusside

Assay (Arg.): 99.0-102.0%

CODE	**131705**
CAS	**13755-38-9**
MOLECULAR FORMULA	**$Na_2Fe(CN)_5NO.2H_2O$**
MOLAR MASS	**297.95 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131705.1208	PACKAGING SIZE 100 g	Product active until stock lasts.

Technical data

SOLUBILITY:	water 400 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131705
PRODUCT NAME:	Sodium Pentacyanonitrosoferrate(III) 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS

SPECIFICATIONS:	Assay (Arg.): 99.0-102.0% **Maximum limit of impurities** Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.01% Sulfate (SO4): 0.01% Hexacyanoferrate (II) [Fe(CN)6]4-: 0.02% Hexacyanoferrate (III) [Fe(CN)6]3-: 0.01% Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.005 % Cu: 0.0005 % K: 0.3 % Mg: 0.0005 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.005 %
HAZARD PICTOGRAMS	
UN:	1588
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06
H PHRASES:	

	H301
P PHRASES:	P264 P270 P301+P310 P321 P330 P501 P405

MASTER NAME:	Sodium Pentacyanonitrosoferrate(III) 2-hydrate
SYNONYMS LONG TEXT:	Disodium Pentakis(cyano-C)Nitrosylferrate (2-), Sodium Nitroferricyanide, Sodium Nitroprussiate, Sodium Nitroprusside
EINECS:	238-373-9
CS:	2837 20 00 10

Sodium Nitrite (Reag. USP, Ph. Eur.) for analysis, ACS

Minimum assay (Perm.): 98.0%

CODE	**131703**
CAS	**7632-00-0**
MOLECULAR FORMULA	**$NaNO_2$**
MOLAR MASS	**69.00 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131703.1210	PACKAGING SIZE 500 g
	CODE 131703.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	271 °C
SOLUBILITY:	water 820 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131703
PRODUCT NAME:	Sodium Nitrite (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Perm.): 98.0%

Maximum limit of impurities
Insoluble matter in H2O: 0.003 %
Chloride (Cl): 0.002%
Sulfate (SO4): 0.005%
As: 0.00004 %
Heavy metals (as Pb): 0.001%

Metals by ICP [in mg/Kg (ppm)]
Al: 5
Au: 5
B: 5
Ba: 5
Be: 5
Bi: 5
Ca: 25
Cd: 5
Co: 5
Cr: 5
Cu: 10
Fe: 10
Ga: 5
Ge: 5
Hg: 5
K: 50
Li: 5
Mg: 25
Mn: 5
Mo: 5
Ni: 10
Pb: 10
Sb: 5
Si: 5
Sn: 5
Sr: 5
Ti: 5
Tl: 5
V: 5
Zn: 10

HAZARD PICTOGRAMS	
UN:	1500
CLASS/PG:	5.1(6.1)/III
ADR:	5.1(6.1)/III
IMDG:	5.1(6.1)/III
IATA:	5.1(6.1)/III
WGK:	2
STORAGE:	Storage between 20 and 25°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS06 GHS09
H PHRASES:	H272 H301 H319 H400
P PHRASES:	P280 P301+P310 P321 P330 P305+P351+P338 P210 P501 P220 P221 P264 P270 P273 P337+P313 P391

P405

MASTER NAME:	Sodium Nitrite
EINECS:	231-555-9
CS:	2834 10 00 00
INDEX NR.:	007-010-00-4

Sodium Nitrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Minimum assay: 99.0%

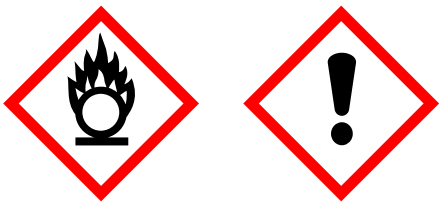
CODE	**131702**
CAS	**7631-99-4**
MOLECULAR FORMULA	**$NaNO_3$**
MOLAR MASS	**84.99 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	131702.1211	1000 g
	131702.1214	5 kg
	131702.0416	25 kg

Technical data

MELTING POINT:	309 °C
SOLUBILITY:	water 880 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131702
PRODUCT NAME:	Sodium Nitrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay: 99.0% pH of 5% solution: 5.5-8.0 **Maximum limit of impurities** Insoluble matter in H2O: 0.003 % Chloride (Cl): 0.001% Ammonium (NH4): 0.001% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.002% Nitrite (NO2): 0.001% Iodate (IO3): 0.0005% Heavy Metals (ICP-OES): 0.0005% As: 0.00004 % Ca: 0.005 % Cd: 0.0002 % Co: 0.0002 % Cu: 0.0002 % Fe: 0.0002 % K: 0.005 % Mg: 0.001 % Mn: 0.0002 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
HAZARD PICTOGRAMS	
UN:	1498
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 GHS07
H PHRASES:	H272 H319
P PHRASES:	P210 P220 P221 P280 P370+P378

MASTER NAME:	Sodium Nitrate
EINECS:	231-554-3
CS:	3102 50 00 90

Sodium Molybdate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Compl.): 99.5-103.0%

CODE	**131701**
CAS	**10102-40-6**
MOLECULAR FORMULA	**$Na_2MoO_4.2H_2O$**
MOLAR MASS	**241.95 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131701.1209	PACKAGING SIZE 250 g
	CODE 131701.1211	PACKAGING SIZE 1000 g

Technical data

SOLUBILITY:	water 560 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131701
PRODUCT NAME:	Sodium Molybdate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS

SPECIFICATIONS:	Assay (Compl.): 99.5-103.0% pH of 5% solution: 7.0-10.5 Maximum limit of impurities Appearance: passes test Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.005% Ammonium (NH4): 0.001% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.015% Identification: positive Heavy metals (as Pb): 0.0005% Ca: 0.001 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.05 % Mg: 0.001 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Molybdate 2-hydrate
EINECS:	231-551-7
CS:	2841 70 00 90

Sodium Plumbite solution (Doctor solution)

CODE

175506

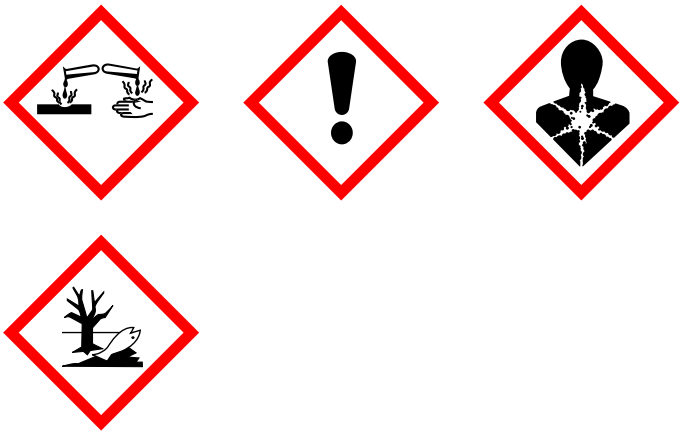
Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 175506.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

DENSITY:	1.143 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	175506
PRODUCT NAME:	Sodium Plumbite solution (Doctor solution)
HEADLINE COMMENT:	sulphide reagent
SPECIFICATIONS:	Suitability: as sulphide reagent: passes test

HAZARD PICTOGRAMS



UN:	2922
CLASS/PG:	8(6.1)/II
ADR:	8(6.1)/II
IMDG:	8(6.1)/II
IATA:	8(6.1)/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS08 GHS07 GHS09
H PHRASES:	H314 H360Df H373 H411 H290 H302+H332
P PHRASES:	P201 P202 P260 P261 P264 P270 P271 P273 P280 P281 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P308+P313 P310 P312

	P314 P321 P330 P338 P363 P391 P405 P501
MASTER NAME:	Sodium Plumbite solution *(Doctor solution)
CS:	3822 00 00 00

Sodium Peroxodisufate pure

Sodium Peroxydisulphate, Sodium Persulphate

Assay (Iodom.): 98 %*

CODE	**143396**
CAS	**7775-27-1**
MOLECULAR FORMULA	**$Na_2S_2O_8$**
MOLAR MASS	**238.09 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 143396.1211	PACKAGING SIZE 1000 g

Technical data

SOLUBILITY:	water 556 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	143396
PRODUCT NAME:	Sodium Peroxodisufate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Iodom.): 98 %* Insoluble matter in H2O: 0.05 % Chlorine compounds (as Cl): 0.05% Ca: 0.01 % Cu: 0.002 %

	Fe: 0.002 % Mg: 0.01 % Ni: 0.002 % Pb: 0.002 % * At the moment of the batch analysis.
HAZARD PICTOGRAMS	
UN:	1505
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 GHS08 GHS07
H PHRASES:	H272 H302 H334 H317
P PHRASES:	P210 P220 P221 P261 P264 P270 P272 P280 P285

	P301+P312 P302+P352 P304+P341 P321 P330 P333+P313 P342+P311 P363 P370+P378 P501
MASTER NAME:	Sodium Peroxodisulphate
SYNONYMS LONG TEXT:	Sodium Peroxydisulphate, Sodium Persulphate
EINECS:	231-892-1
CS:	2833 40 00 00

Sodium Peroxide granulated (Reag. USP) for analysis, ACS

Sodium Dioxide, Sodium Superoxide

Minimum assay (Perm.): 95.0%

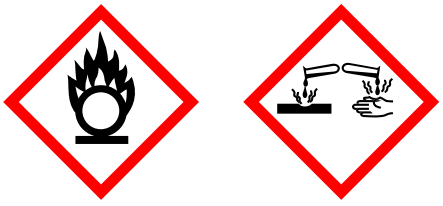
CODE	**131708**
CAS	**1313-60-6**
MOLECULAR FORMULA	**Na_2O_2**
MOLAR MASS	**77.98 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131708.1209	PACKAGING SIZE 250 g	
	CODE 131708.1211	PACKAGING SIZE 1000 g	
	CODE 131708.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 131708.1211 (please check specifications).

Technical data

MELTING POINT:	460 °C
SOLUBILITY:	water 100 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131708
PRODUCT NAME:	Sodium Peroxide granulated (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Perm.): 95.0% Maximum limit of impurities Chloride (Cl): 0.002% Nitrogen compounds (as N): 0.003% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.001% Heavy metals (as Pb): 0.002% Cd: 0.001 % Co: 0.001 % Cr: 0.001 % Cu: 0.001 % Fe: 0.002 % K: 0.05 % Ni: 0.001 % Pb: 0.001 % Zn: 0.001 % May contain a small quantity of discoloured/dark material from the manufacturing process.
HAZARD PICTOGRAMS	
UN:	1504
CLASS/PG:	5.1/I
ADR:	5.1/I
IMDG:	5.1/I
IATA:	

	5.1/I
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05
H PHRASES:	H271 H314
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:	Sodium Peroxide
SYNONYMS LONG TEXT:	Sodium Dioxide, Sodium Superoxide
EINECS:	215-209-4
CS:	2815 30 00 00
INDEX NR.:	011-003-00-1

Sodium Peroxide, 95% granulated for synthesis

Sodium Dioxide, Sodium Superoxide

Minimum assay (Perm.): 95%

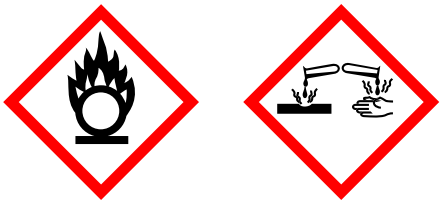
CODE	**161708**
CAS	**1313-60-6**
MOLECULAR FORMULA	**Na_2O_2**
MOLAR MASS	**77.98 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 161708.1208	PACKAGING SIZE 100 g	Product active until stock lasts.

ⓘ Technical data

MELTING POINT:	460 °C
SOLUBILITY:	water 100 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	161708
PRODUCT NAME:	Sodium Peroxide, 95% granulated for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Perm.): 95%

	May contain a small quantity of discoloured/dark material from the manufacturing process.
HAZARD PICTOGRAMS	
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ADR:	5.1/I
IMDG:	5.1/I
IATA:	5.1/I
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05
H PHRASES:	H271 H314
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:	Sodium Peroxide
SYNONYMS LONG TEXT:	Sodium Dioxide, Sodium Superoxide
EINECS:	215-209-4
CS:	2815 30 00 00
INDEX NR.:	011-003-00-1

Sodium Perchlorate 1-hydrate (Reag. USP) for analysis, ACS

Assay (as NaClO4.H2O) (Arg.): 98.0-102.0%

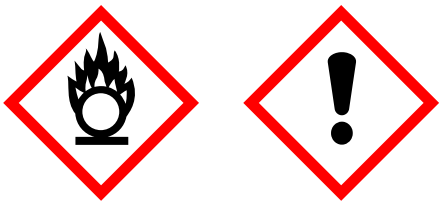
CODE	**134387**
CAS	**7791-07-3**
MOLECULAR FORMULA	**$NaClO_4.H_2O$**
MOLAR MASS	**140.46 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 134387.1209	PACKAGING SIZE 250 g	Product active until stock lasts.
	CODE 134387.1210	PACKAGING SIZE 500 g	
	CODE 134387.1211	PACKAGING SIZE 1000 g	Product discontinued. Alternative 134387.1210 (please check specifications).
	CODE 134387.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

ⓘ Technical data

SOLUBILITY:	water 2,090 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	134387
PRODUCT NAME:	Sodium Perchlorate 1-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (as $NaClO_4.H_2O$) (Arg.): 98.0-102.0% Assay (as $NaClO_4$) (Arg.): 85.5-89.0% pH of 5% solution: 6.0-8.0 Maximum limit of impurities Insoluble matter in H_2O: 0.005 % Chloride (Cl): 0.003% Nitrogen compounds (as N): 0.001% Phosphate (PO_4): 0.001 % Sulfate (SO_4): 0.002% Chlorate (ClO_3): 0.05% Heavy Metals (ICP-OES): 0.0005 % Ca: 0,005 % Cd: 0,0005 % Co: 0,0005 % Cu: 0,0005 % Fe: 0,0005 % K: 0,01 % Mg: 0,005 % Mn: 0,0005 % Ni: 0,0005 % Pb: 0,0005 % Zn: 0,0005 %
HAZARD PICTOGRAMS	
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CLASS/PG:	5.1/II

ADR:	5.1/II
IMDG:	5.1/II
IATA:	5.1/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS07
H PHRASES:	H271 H302
P PHRASES:	P210 P220 P221 P264 P270 P501 P280 P283 P301+P312 P306+P360 P330 P370+P378 P371+P380+P375

MASTER NAME:	Sodium Perchlorate 1-hydrate
EINECS:	231-511-9
CS:	2829 90 10 00
INDEX NR.:	017-010-00-6

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_2SeO_3**
MOLAR MASS	**172.94 g/mol**

Packs sizes (1)

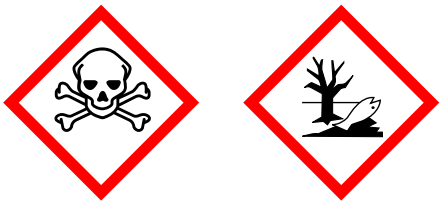
CODE	PACKAGING SIZE
CODE 192756.1211	PACKAGING SIZE 1000 g

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	
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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 Selenate pure

Disodium Selenate

Minimum assay: 99%

CODE	**145777**
CAS	**13410-01-0**
MOLECULAR FORMULA	**Na_2SeO_4**
MOLAR MASS	**188.94 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 145777.1211	PACKAGING SIZE 1000 g	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

SOLUBILITY:	Miscible with ethanol
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	145777
PRODUCT NAME:	Sodium Selenate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Minimum assay: 99% Identity: passes test Appearance: passes test Insoluble matter in H2O: 0.01 %

	Ca: 0.01 % Cu: 0.02 % Mg: 0.002 %
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 GHS08 GHS09
H PHRASES:	H331 H301 H373 H410
P PHRASES:	P260 P261 P264 P270 P271 P501 P273 P301+P310 P304+P340 P311 P314

	P321 P330 P391 P403+P233 P405
MASTER NAME:	Sodium Selenate
SYNONYMS LONG TEXT:	Disodium Selenate
EINECS:	236-501-8
CS:	2842 90 10 10

Sodium Salicylate for analysis

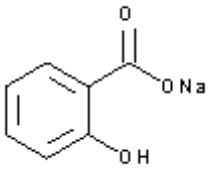
2-Hydroxybenzoic Acid Sodium Salt, Salicylic Acid Sodium Salt, Sodium 2-Hydroxybenzoate

Minimum assay (Perchl. Ac.) (a.d.s.): 99.5%

CODE	**121859**
CAS	**54-21-7**
MOLECULAR FORMULA	**$C_7H_5NaO_3$**
MOLAR MASS	**160.11 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 121859.1209	PACKAGING SIZE 250 g	Product active until stock lasts.
	CODE 121859.1211	PACKAGING SIZE 1000 g	



Technical data

MELTING POINT:	200 °C
SOLUBILITY:	water 1,000 g/l at 20 °C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121859
PRODUCT NAME:	Sodium Salicylate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Perchl. Ac.) (a.d.s.): 99.5% Identity: IR passes test **Maximum limit of impurities** Appearance of solution: passes test Insoluble matter in H2O: 0.02 % Loss on drying at 105°C: 0.3 % Chloride (Cl): 0.02 % Sulfate (SO4): 0.06 % Heavy metals (as Pb): 0.001 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.001 % Mg: 0.001 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
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

Sodium Salicylate (BP, Ph. Eur.) pure, pharma grade

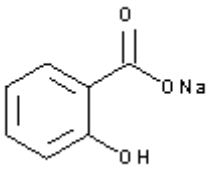
2-Hydroxybenzoic Acid Sodium Salt, Salicylic Acid Sodium Salt, Sodium 2-Hydroxybenzoate

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.



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

Sodium Polyphosphate pure

Graham Salt, Sodium Polymeta-Phosphate

Assay (as P2O5) (Acidim.): 65-70 %

CODE	**141684**
CAS	**68915-31-1**
MOLECULAR FORMULA	**$(NaPO_3)_n$**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141684.1211	PACKAGING SIZE 1000 g

ⓘ Technical data

MELTING POINT:	628 °C
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141684
PRODUCT NAME:	Sodium Polyphosphate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (as P2O5) (Acidim.): 65-70 % Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.03% Sulfate (SO4): 0.1% As: 0.0002 %

	Cu: 0.0025 % Fe: 0.01 % Ni: 0.0025 % Pb: 0.0025 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Polyphosphate
SYNONYMS LONG TEXT:	Graham Salt, Sodium Polymeta-Phosphate
EINECS:	272-808-3
CS:	2835 39 00 00

Sodium Sulfate anhydrous (E-514i, F.C.C.) food grade

Assay (Na2SO4) after drying: 99.0-100.5%

CODE	**201716**
CAS	**7757-82-6**
MOLECULAR FORMULA	**Na_2SO_4**
MOLAR MASS	**142.04 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 201716.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	884 °C
SOLUBILITY:	water 162 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201716
PRODUCT NAME:	Sodium Sulfate anhydrous (E-514i, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (Na2SO4) after drying: 99.0-100.5% Identity

	Sulfate: passes test Sodium: passes test Appearance: passes test Acidity 5% solution neutral or slightly alkaline: passes test Loss on drying , not more than: 1.0% Arsenic, not more than: 3 ppm Mercury, not more than: 1 ppm Lead, not more than: 2 ppm Selenium, not more than: 0.003% Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
WGK:	nwg
STORAGE:	Storage below 30°C
MASTER NAME:	Sodium Sulphate anhydrous
EINECS:	231-820-9
CS:	2833 19 00 00

Sodium Sulfate 10-hydrate (Reag. USP) for analysis, ACS

Glauber Salt

Minimum assay: 99.0%

CODE	**131715**
CAS	**7727-73-3**
MOLECULAR FORMULA	**$Na_2SO_4.10H_2O$**
MOLAR MASS	**322.19 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 131715.0416	PACKAGING SIZE 25 kg	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	32 °C
SOLUBILITY:	water 900 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131715
PRODUCT NAME:	Sodium Sulfate 10-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay: 99.0%

pH of 5% solution: 5.2-8.2

Maximum limit of impurities
Insoluble matter in H2O: 0.005 %
Chloride (Cl): 0.0005%
Nitrogen compounds (as N): 0.0003%
Phosphate (PO4): 0.0005 %
As: 0.0001 %
Heavy metals (as Pb): 0.0003%

Metals by ICP [in mg/Kg (ppm)]
Ag: 5
Al: 5
Ba: 5
Bi: 5
Ca: 20
Cd: 5
Co: 5
Cr: 5
Cu: 5
Fe: 5
K: 20
Li: 20
Mg: 10
Mn: 5
Mo: 5
Ni: 5
Pb: 3
Sr: 5
Tl: 5
Zn: 5

WGK:	nwg
STORAGE:	Not recommended in areas with a very hot climate

MASTER NAME:	Sodium Sulphate 10-hydrate
SYNONYMS LONG TEXT:	Glauber Salt
EINECS:	231-820-9
CS:	2833 19 00 00

Sodium Stannate 3-hydrate pure

Assay (Sn): 42%

CODE	**142970**
CAS	**12209-98-2**
MOLECULAR FORMULA	**$Na_2SnO_3.3H_2O$**
MOLAR MASS	**266.71 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 142970.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 613 g/l at 16 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142970
PRODUCT NAME:	Sodium Stannate 3-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Sn): 42% Alkalinity: 29.0-32.5 % Cu: 0.001 % Ni: 0.001 % Pb: 0.001 %

HAZARD PICTOGRAMS	
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

MASTER NAME:	Sodium Stannate 3-hydrate
EINECS:	234-724-5
CS:	2841 90 85 90

Sodium Silicate neutral solution technical grade

Soluble glass

CODE	**211714**
CAS	**1344-09-8**
MOLECULAR FORMULA	**Na_2SiO_3**
MOLAR MASS	**122.07 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 211714.1211	PACKAGING SIZE 1000 ml	
	CODE 211714.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 211714.1211 (please check specifications).

ⓘ Technical data

DENSITY:	1.365 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	211714
PRODUCT NAME:	Sodium Silicate neutral solution technical grade
QUALITY NAME:	technical grade

SPECIFICATIONS:	pH of 5% solution: ≤11.5 Density 20/4: 1.350-1.380 Cu: 0.005 % Ni: 0.005 % Pb: 0.005 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H335 H315
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:	Sodium Silicate *neutral solution
SYNONYMS LONG TEXT:	Soluble glass

EINECS:	215-687-4
CS:	2839 19 00 90

Sodium Selenite anhydrous pure

Assay (Iodom.): 99 %

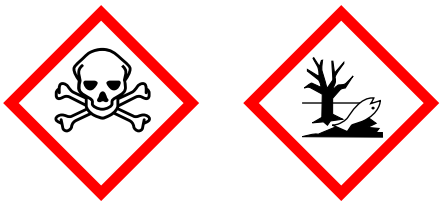
CODE	**142756**
CAS	**10102-18-8**
MOLECULAR FORMULA	**Na_2SeO_3**
MOLAR MASS	**172.94 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 142756.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	142756
PRODUCT NAME:	Sodium Selenite anhydrous pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Iodom.): 99 % Identity Selenite: passes test Sodium: passes test pH sol. 1M: 10.6 - 11.4 Appearance: passes test

	Insoluble matter in H2O: 0.05 % Loss on drying at 105°C: 1 % Chloride (Cl): 0.01% Nitrogen Compounds (as NO3): 0.01 % Seleniate and sulphate (as SO4): 0.2% 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 Sulfite anhydrous (BP, Ph. Eur.) pharma grade

Assay (Iodom.): 95.0-100.5%

CODE	**191717**
CAS	**7757-83-7**
MOLECULAR FORMULA	**Na_2SO_3**
MOLAR MASS	**126.04 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 191717.0416	PACKAGING SIZE 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 Sulfide x-hydrate technical grade

Assay (as Na2S) (Iodom.): 30%

CODE	**211682**
CAS	**1313-84-4**
MOLECULAR FORMULA	**$Na_2S.xH_2O$**
MOLAR MASS	**78.04 (anh) g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 211682.1610	PACKAGING SIZE 500 g

Technical data

MELTING POINT:	50 °C
SOLUBILITY:	water 470 g/l at 10 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	211682
PRODUCT NAME:	Sodium Sulfide x-hydrate technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (as Na2S) (Iodom.): 30% Nitrogen compounds (as N): 0.01%

HAZARD PICTOGRAMS	
UN:	1849
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	2
STORAGE:	Not recommended in areas with a very hot climate
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS09 GHS06 GHS05
H PHRASES:	H302 H311 H400 H314
P PHRASES:	P260 P264 P270 P273 P280 P501 P301+P312 P301+P330+P331 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310

	P312 P321 P322 P330 P338 P361 P363 P391 P405
MASTER NAME:	Sodium Sulphide x-hydrate
EINECS:	215-211-5
CS:	2830 10 00 90
INDEX NR.:	016-009-00-8

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.

ⓘ 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 Sulfate anhydrous (Reag. USP) for analysis, ACS, ISO

Minimum assay: 99.0%

CODE	**131716**
CAS	**7757-82-6**
MOLECULAR FORMULA	**Na_2SO_4**
MOLAR MASS	**142.04 g/mol**

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131716.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131716.1211	PACKAGING SIZE 1000 g	
	CODE 131716.1214	PACKAGING SIZE 5 kg	
	CODE 131716.0416	PACKAGING SIZE 25 kg	

Technical data

MELTING POINT:	884 °C

SOLUBILITY:	water 162 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131716
PRODUCT NAME:	Sodium Sulfate anhydrous (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay: 99.0% Identity: passes test pH of 5% solution: 5.2-8 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Loss on ignition 800°C: 0.5 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.0005% Phosphate (PO4): 0.001 % As: 0.0001 % Heavy metals (as Pb): 0.0005% Metals by ICP [in mg/Kg (ppm)] Ag: 5 Al: 5 Au: 5 B: 5 Ba: 5 Be: 5 Bi: 5 Ca: 50 Cd: 5 Co: 5 Cr: 10 Cu: 5 Fe: 5 Ga: 5 In: 5 K: 20 Mg: 10 Mn: 5 Mo: 5

	Ni: 5 Pb: 5 Pt: 5 Sb: 5 Se: 5 Si: 5 Sr: 5 Ti: 5 V: 5 Zr: 5
WGK:	nwg
STORAGE:	Storage below 30°C
MASTER NAME:	Sodium Sulphate anhydrous
EINECS:	231-820-9
CS:	2833 19 00 00

Sodium Sulfate anhydrous, for pesticide analysis

Minimum assay: 99.5%

CODE	**325709**
CAS	**7757-82-6**
MOLECULAR FORMULA	**Na_2SO_4**
MOLAR MASS	**142.04 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 325709.1611	PACKAGING SIZE 1000 g

Technical data

MELTING POINT:	884 °C
SOLUBILITY:	water 162 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	325709
PRODUCT NAME:	Sodium Sulfate anhydrous, for pesticide analysis
QUALITY NAME:	for pesticide analysis
SPECIFICATIONS:	Minimum assay: 99.5%
	Maximum limit of impurities

	Insoluble matter in H2O: 0.005 % Loss on ignition 800°C: 0.2% Granular size more than 0,75 mm: 5 % Signal ECD of pesticide (Lindane a DDT) (as Lindane): 5 ng/l
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Sulphate anhydrous
EINECS:	231-820-9
CS:	2833 19 00 00

Sodium Thiosulfate 0.05 mol/l (0.05N) standard volumetric solution

CODE	**182160**
CAS	**7772-98-7**
MOLECULAR FORMULA	**$Na_2S_2O_3$**
MOLAR MASS	**158.10 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182160.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.007 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182160
PRODUCT NAME:	Sodium Thiosulfate 0.05 mol/l (0.05N) standard volumetric solution
QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	Indicator: Starch
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Thiosulphate 0,05 mol/l *(0,05N)
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium Thiosulfate 0.01 mol/l (0.01N) standard volumetric solution

CODE	**182577**
CAS	**7772-98-7**
MOLECULAR FORMULA	**$Na_2S_2O_3$**
MOLAR MASS	**158.10 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182577.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.002 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182577
PRODUCT NAME:	Sodium Thiosulfate 0.01 mol/l (0.01N) standard volumetric solution
QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	Indicator: Starch.
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Thiosulphate 0,01 mol/l *(0,01N)
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium tetra-Phenylborate (Reag. USP, Ph. Eur.) for analysis, ACS

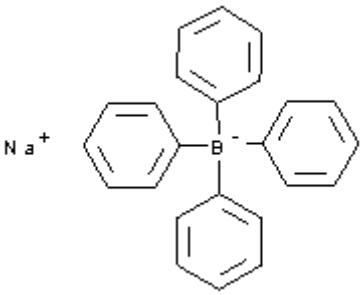
Kalignost (Registered trade-mark of Heyl Co.Berlin), Sodium Tetraphenylborate, Tetraphenylboron Sodium

Minimum assay: 99.5%

CODE	**132440**
CAS	**143-66-8**
MOLECULAR FORMULA	**$C_{24}H_{20}BNa$**
MOLAR MASS	**342.23 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 132440.1608	PACKAGING SIZE 100 g



Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	132440
PRODUCT NAME:	Sodium tetra-Phenylborate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
HEADLINE COMMENT:	(KALIGNOST ®) (® Registered trade-mark of Heyl Co. Berlin)
SPECIFICATIONS:	Minimum assay: 99.5% Identity: passes test Maximum limit of impurities Appearance of solution: passes test Loss on drying at 105°C: 0.5% Sensitivity to K: passes test
WGK:	2
STORAGE:	Room Temperature.
MASTER NAME:	Sodium tetra-Phenylborate
SYNONYMS LONG TEXT:	Kalignost (Registered trade-mark of Heyl Co.Berlin), Sodium Tetraphenylborate, Tetraphenylboron Sodium
EINECS:	205-605-5
CS:	2931 90 00 90

Sodium Tartrate 2-hydrate (Reag. Ph. Eur.) for analysis

di-Sodium Tartrate, Tartaric Acid Disodium Salt

Assay (Perchl. Ac.): 99.0-101.0%

CODE

121719

CAS

6106-24-7

MOLECULAR FORMULA

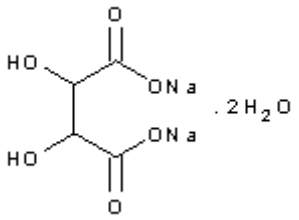
$Na_2(COO)_2(CHOH)_2.2H_2O$

MOLAR MASS

230.08 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 121719.1211	PACKAGING SIZE 1000 g
	CODE 121719.0416	PACKAGING SIZE 25 kg



Technical data

MELTING POINT:	150 °C
SOLUBILITY:	water 290 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	121719
PRODUCT NAME:	Sodium Tartrate 2-hydrate (Reag. Ph. Eur.) for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Assay (Perchl. Ac.): 99.0-101.0% pH of 5% solution: 7.0-9.0 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Ammonium (NH4): 0.003% Phosphate (PO4): 0.0005 % Sulfate (SO4): 0.002% Heavy metals (as Pb): 0.0005% As: 0.00005 % Ca: 0.005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.002 % Ni: 0.0005 % Pb: 0.0005 %

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Tartrate 2-hydrate
SYNONYMS LONG TEXT:	di-Sodium Tartrate, Tartaric Acid Disodium Salt
EINECS:	212-773-3
CS:	2918 13 00 00

Sodium Sulfite anhydrous (Reag. USP) for analysis, ACS

Minimum assay (Iodom.): 98.0%

CODE	131717
CAS	7757-83-7
MOLECULAR FORMULA	Na_2SO_3
MOLAR MASS	126.04 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131717.1210	PACKAGING SIZE 500 g
	CODE 131717.1211	PACKAGING SIZE 1000 g

Technical data

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131717
PRODUCT NAME:	Sodium Sulfite anhydrous (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 98.0%

	Maximum limit of impurities Acidity: passes test Alkalinity: 0.03 meq/g Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.01% Thiosulfate: passes test Heavy metals (as Pb): 0.001% As: 0.0001 % Ca: 0.013 % Cu: 0.001 % Fe: 0.001 % K: 0.05 % Mg: 0.013 % Ni: 0.001 % Pb: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Sulphite anhydrous
EINECS:	231-821-4
CS:	2832 10 00 00

Sodium Thiosulfate 1 mol/l (1N) standard volumetric solution

CODE	**181722**
CAS	**7772-98-7**
MOLECULAR FORMULA	**$Na_2S_2O_3$**
MOLAR MASS	**158.10 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181722.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.121 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181722
PRODUCT NAME:	Sodium Thiosulfate 1 mol/l (1N) standard volumetric solution
QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	Indicator: Starch
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Thiosulphate 1 mol/l *(1N)
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium Thiosulfate 0.2 mol/l (0.2N) standard volumetric solution

CODE	**183489**
CAS	**7772-98-7**
MOLECULAR FORMULA	**$Na_2S_2O_3$**
MOLAR MASS	**158.10 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 183489.1212	PACKAGING SIZE 2,5 l

Technical data

DENSITY:	1.02 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	183489
PRODUCT NAME:	Sodium Thiosulfate 0.2 mol/l (0.2N) standard volumetric solution
QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	Indicator: Starch
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Thiosulphate 0,2 mol/l *(0,2N)
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium Thiosulfate 0.1 mol/l (0.1N) (Reag. USP) standard volumetric solution

CODE **181723**

CAS **7772-98-7**

MOLECULAR FORMULA **$Na_2S_2O_3$**

MOLAR MASS **158.10 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 181723.1211	PACKAGING SIZE 1000 ml
	CODE 181723.1315	PACKAGING SIZE 10 l

Technical data

DENSITY:	1.012 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181723
PRODUCT NAME:	Sodium Thiosulfate 0.1 mol/l (0.1N) (Reag. USP) standard volumetric solution
QUALITY NAME:	standard volumetric solution

HEADLINE COMMENT:	Standardised against Potassium Dichromate. Indicator: Starch
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Thiosulphate 0,1 mol/l *(0,1N)
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium Thiosulfate 0.1 mol/l (0.1N) (Reag. Ph.Eur.) volumetric solution

CODE	**186987**
CAS	**7772-98-7**
MOLAR MASS	**158.10 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 186987.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.012 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	186987
PRODUCT NAME:	Sodium Thiosulfate 0.1 mol/l (0.1N) (Reag. Ph.Eur.) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Potassium Bromate. Indicator: Starch
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Thiosulphate 0,1 mol/l (0,1N)
EINECS:	231-867-5
CS:	2832 30 00 00

Sodium Thiosulfate 0.1 mol (24.818g Na2S2O3.5H2O) to prepare 1l of 0.1N solution

CODE	**303127**
CAS	**10102-17-7**
MOLECULAR FORMULA	**$Na_2S_2O_3.5H_2O$**
MOLAR MASS	**248.18 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 303127.1920	PACKAGING SIZE amp56ml

Technical data

PHYSICAL DESCRIPTION:	liquid Plastic or glass ampoules containing clear colourless liquid
PRODUCT CODE:	303127
PRODUCT NAME:	Sodium Thiosulfate 0.1 mol (24.818g Na2S2O3.5H2O) to prepare 1l of 0.1N solution
SPECIFICATIONS:	Titer at 20°C: 0.997 - 1.003 Traceability: See certificate

WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Thiosulphate 0,1 mol *(24,818g Na2S2O3.5H2O) to prepare 1l of 0,1N solution
EINECS:	231-867-5
CS:	2832 30 00 00

tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) food grade

Sodium Pyrophosphate, tetra-Sodium Diphosphate, TSPP

Assay (Na4P2O7) , calc. on the ignited basis: 95.0-100.5%

CODE	**201710**
CAS	**13472-36-1**
MOLECULAR FORMULA	**$Na_4P_2O_7.10H_2O$**
MOLAR MASS	**446.06 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201710.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	79 °C
SOLUBILITY:	water 62.3 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201710
PRODUCT NAME:	tetra-Sodium Pyrophosphate 10-hydrate (E-450iii, F.C.C.) food grade
QUALITY NAME:	food grade

SPECIFICATIONS:	Assay ($Na_4P_2O_7$) , calc. on the ignited basis: 95.0-100.5% pH 1%: 9.9-10.7 Insoluble substances , not more than: 0.2 % Loss on ignition: 38.0-42.0 % P_2O_5 content calculated on ignited basis: 52.5 - 54.0 % Fluoride, not more than: 10 ppm Arsenic (as As), not more than: 1 ppm Cadmium, not more than: 1 ppm Mercury, not more than: 1 ppm Lead, not more than: 1 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
STORAGE:	Room Temperature.
MASTER NAME:	tetra-Sodium Pyrophosphate 10-hydrate
SYNONYMS LONG TEXT:	Sodium Pyrophosphate, tetra-Sodium Diphosphate, TSPP
EINECS:	231-767-1
CS:	2835 39 00 00

Sodium Thiosulfate anhydrous (Reag. Ph. Eur.) for analysis

Minimum assay (Iodom.): 99.0%

CODE	**121879**
CAS	**7772-98-7**
MOLECULAR FORMULA	**$Na_2S_2O_3$**
MOLAR MASS	**158.13 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 121879.1211	PACKAGING SIZE 1000 g
	CODE 121879.0914	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121879
PRODUCT NAME:	Sodium Thiosulfate anhydrous (Reag. Ph. Eur.) for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:	Minimum assay (Iodom.): 99.0% pH of 5% solution: 6.0-8.4 Maximum limit of impurities Insoluble matter in H2O: 0.01 % Loss on drying at 105°C: 1% Chloride (Cl): 0.05% Sulfide (S): 0.0005 % Sulfate and sulfite (as SO4): 0.5% Ca: 0.004 % Cd: 0.001 % Co: 0.001 % Cu: 0.001 % Fe: 0.001 % K: 0.01 % Ni: 0.001 % Pb: 0.001 % Zn: 0.001 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Thiosulphate anhydrous
EINECS:	231-867-5
CS:	2832 30 00 00

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	$Na_2S_2O_3.5H_2O$
MOLAR MASS	248.18 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	141721.1211	1000 g
	141721.1214	5 kg
	141721.0416	25 kg

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

β-Glycerol Phosphate Disodium Salt 5-hydrate *BioChemica*

Assay (total): min. 99 %

CODE	**A2253**
CAS	**819-83-0**
MOLECULAR FORMULA	**$C_3H_7Na_2O_6P \cdot 5H_2O$**
MOLAR MASS	**216.04 g/mol · $5H_2O$**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A2253,0100	PACKAGING SIZE 100 g
	CODE A2253,0500	PACKAGING SIZE 500 g
	CODE A2253,1000	PACKAGING SIZE 1 kg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2253
PRODUCT NAME:	β-Glycerol Phosphate Disodium Salt 5-hydrate

SPECIFICATIONS:	*BioChemica* Assay (total): min. 99 % Solubility (5 %; H_2O): clear, colorless Heavy metals: max. 0.002 % Identity (IR): passes test α-Glycerophosphate: max. 2 % Water: 26 - 33 % Chloride: max. 0.01 % Free phosphate: max. 0.01 % Sulfate: max. 0.01 % As: max. 0.0005 % Ca: max. 0.005 %
WGK:	1
STORAGE:	2 - 8°C
EINECS:	212-464-3
CS:	29199000

Sodium Thiosulfate 5-hydrate (Reag. USP) for analysis, ACS

Assay (Iodom.): 99.5-101.0%

CODE	**131721**
CAS	**10102-17-7**
MOLECULAR FORMULA	**$Na_2S_2O_3.5H_2O$**
MOLAR MASS	**248.18 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 131721.1211	PACKAGING SIZE 1000 g
	CODE 131721.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	48 °C
SOLUBILITY:	water 680 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131721
PRODUCT NAME:	Sodium Thiosulfate 5-hydrate (Reag. USP) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Iodom.): 99.5-101.0% pH of 5% solution: 6.0-8.4 Maximum limit of impurities Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.02% Nitrogen compounds (as N): 0.002% Sulfide (S): 0.0001 % Sulfate and sulfite (as SO4): 0.1% Heavy metals (as Pb): 0.0005% Ca: 0.002 % Cd: 0.0005 % Co: 0.0005 % Cr: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.005 % Mg: 0.001 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
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

Tetrabutylammonium Hydrogen Sulfate, 98% for synthesis

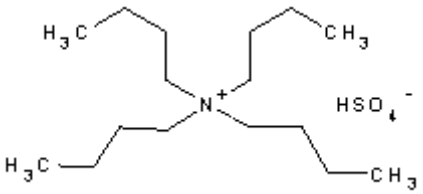
Tetrabutylammonium bisulphate, tetra-n-Butylammonium Hydrogen Sulphate

Minimum assay: 98%

CODE	**153622**
CAS	**32503-27-8**
MOLECULAR FORMULA	**$C_{16}H_{37}NO_4S$**
MOLAR MASS	**339.54 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 153622.1208	PACKAGING SIZE 100 g



Technical data

MELTING POINT:	169 - 171 °C
SOLUBILITY:	Soluble in water.
PRODUCT CODE:	153622

PRODUCT NAME:	Tetrabutylammonium Hydrogen Sulfate, 98% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay: 98% Identity: IR passes test Melting range: 164-172°C

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

MASTER NAME:	Tetrabutylammonium Hydrogen Sulphate
SYNONYMS LONG TEXT:	Tetrabutylammonium bisulphate, tetra-n-Butylammonium Hydrogen Sulphate
EINECS:	251-068-5
CS:	2923 90 00 90

Tetrabutylammonium Hydrogen Sulfate for HPLC

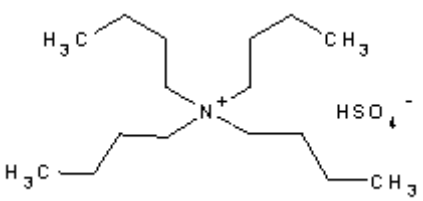
Tetrabutylammonium bisulphate, tetra-n-Butylammonium Hydrogen Sulphate

Minimum assay (Acidim.): 99%

CODE	**363622**
CAS	**32503-27-8**
MOLECULAR FORMULA	**$C_{16}H_{37}NO_4S$**
MOLAR MASS	**339.54 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 363622.1606	PACKAGING SIZE 25 g
	CODE 363622.1607	PACKAGING SIZE 50 g
	CODE 363622.1610	PACKAGING SIZE 500 g



Technical data

MELTING POINT:	169 - 171 °C
SOLUBILITY:	Soluble in water.

PRODUCT CODE:	363622
PRODUCT NAME:	Tetrabutylammonium Hydrogen Sulfate for HPLC
QUALITY NAME:	for HPLC
HEADLINE COMMENT:	for ion pair chromatography
SPECIFICATIONS:	Minimum assay (Acidim.): 99% Identity: IR passes test UV Spectrum (1cm cell; Ref.: water): Transmittance at 200 nm: ≥70% Transmittance at 220 nm: ≥89%

HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319
P PHRASES:	P264 P280 P305+P351+P338 P332+P313 P337+P313

P501

MASTER NAME:	Tetrabutylammonium Hydrogen Sulphate
SYNONYMS LONG TEXT:	Tetrabutylammonium bisulphate, tetra-n-Butylammonium Hydrogen Sulphate
EINECS:	251-068-5
CS:	2923 90 00 90

Tetrabutylammonium di-Hydrogen Phosphate for HPLC

Assay (titr., calc. on dried subst.): min. 99 %

CODE	**367038**
CAS	**5574-97-0**
MOLECULAR FORMULA	**$C_{16}H_{38}NO_4P$**
MOLAR MASS	**339.46 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 367038.1606	PACKAGING SIZE 25 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	367038
PRODUCT NAME:	Tetrabutylammonium di-Hydrogen Phosphate for HPLC
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): min. 99 % pH (1 %; H_2O; 20°C): 3.0 - 5.0 Loss on drying (2 h; 110°C): max. 6 % A (1 cm/0.005 M in H_2O) 210 nm: max. 0.15 230 nm: max. 0.05 260 nm: max. 0.02

WGK:	1
STORAGE:	RT
EINECS:	226-947-1
CS:	29239000

Tetrabutylammonium di-Hydrogen Phosphate

Assay (titr., calc. on dried subst.): min. 99 %

CODE	**A1947**
CAS	**5574-97-0**
MOLECULAR FORMULA	**$C_{16}H_{38}NO_4P$**
MOLAR MASS	**339.46 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A1947,0025	PACKAGING SIZE 25 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1947
PRODUCT NAME:	Tetrabutylammonium di-Hydrogen Phosphate
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): min. 99 % Solubility (2 %; H_2O): clear, colorless pH (1 %; H_2O; 20°C): 3.0 - 5.0 Loss on drying (2 h; 110°C): max. 6 % Halogenide: max. 0.1 %
WGK:	1

STORAGE:	RT
EINECS:	226-947-1
CS:	29239000

tetra-Sodium Pyrophosphate 10-hydrate for analysis

Sodium Pyrophosphate, tetra-Sodium Diphosphate, TSPP

Minimum assay (Acidim.): 99.0%

CODE	**121710**
CAS	**13472-36-1**
MOLECULAR FORMULA	**$Na_4P_2O_7.10H_2O$**
MOLAR MASS	**446.06 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 121710.1211	PACKAGING SIZE 1000 g
	CODE 121710.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	79 °C
SOLUBILITY:	water 62.3 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121710
PRODUCT NAME:	tetra-Sodium Pyrophosphate 10-hydrate for

	analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% pH of 5% solution: 9.5-10.7 Maximum limit of impurities Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.005% Sulfate (SO4): 0.005% Carbonate: passes test Nitrate (NO3): 0.003% As: 0.0003 % Ca: 0.01 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.01 % Ni: 0.0005 % Pb: 0.0005 %
STORAGE:	Room Temperature.
MASTER NAME:	tetra-Sodium Pyrophosphate 10-hydrate
SYNONYMS LONG TEXT:	Sodium Pyrophosphate, tetra-Sodium Diphosphate, TSPP
EINECS:	231-767-1
CS:	2835 39 00 00

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	**$Ca_3(PO_4)_2$**
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

tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) food grade

2-Hydroxy-1,2,3-Propanetricarboxilic Acid Calcium Salt (2:3), Calcium Citrate, Citric Acid tri-Calcium Salt

Assay (as C12H10Ca3O14) after drying: 97.5-100.5%

CODE

201213

CAS

5785-44-4

MOLECULAR FORMULA

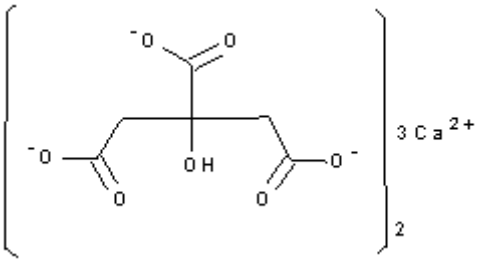
$Ca_3(C_6H_5O_7)_2.4H_2O$

MOLAR MASS

570.51 g/mol

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201213.0416	PACKAGING SIZE 25 kg



Technical data

SOLUBILITY:	water 1 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	201213
PRODUCT NAME:	tri-Calcium di-Citrate 4-hydrate (E-333iii, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as C12H10Ca3O14) after drying: 97.5-100.5% Identity Citrate: passes test Calcium: passes test Appearance: passes test Loss on drying: 10.0-14.0 % Carbonate: passes test Fluoride, not more than: 0.003% Oxalate (as oxalic acid) a.a.s., not more than: 0.01% Arsenic (as As), not more than: 1 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 1 ppm Aluminium, not more than: 30 ppm Heavy metals (as Pb) , not more than: 5 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	tri-Calcium di-Citrate 4-hydrate
SYNONYMS LONG TEXT:	2-Hydroxy-1,2,3-Propanetricarboxilic Acid Calcium Salt (2:3), Calcium Citrate, Citric Acid tri-Calcium Salt
EINECS:	212-391-7
CS:	2918 15 00 10

Tin(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Stannous Chloride

Assay (Iodom.): 98.0-103.0%

CODE	**131303**
CAS	**10025-69-1**
MOLECULAR FORMULA	**$SnCl_2.2H_2O$**
MOLAR MASS	**225.63 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131303.1609	PACKAGING SIZE 250 g	
	CODE 131303.1611	PACKAGING SIZE 1000 g	
	CODE 131303.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 131303.1611 (please check specifications).

Technical data

MELTING POINT:	38 °C
BOILING POINT:	652 °C

SOLUBILITY:	water 1,187 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131303
PRODUCT NAME:	Tin(II) Chloride 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Iodom.): 98.0-103.0% Identity Chloride: passes test Tin: passes test Maximum limit of impurities Insoluble matter in HCl: 0.005 % Ammonium (NH4): 0.002% Sulfate (SO4): 0.002% As: 0,0001 % Ca: 0,005 % Cd: 0,0005 % Co: 0,0005 % Fe: 0,003 % K: 0,005 % Mg: 0,005 % Na: 0,01 % Ni: 0,0005 % Pb: 0,01 %

HAZARD PICTOGRAMS	
UN:	3260
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III

IATA:	8/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS08 GHS09
H PHRASES:	H410 H319 H335 H315 H373 H332 H317 H341 H361
P PHRASES:	P261 P264 P270 P271 P280 P501 P301+P312 P302+P352 P304+P340 P305+P351+P338 P312 P321 P330 P332+P313 P337+P313 P362 P403+P233 P405 P201 P202 P281 P308+P313 P273

	P391 P301+P310 P331
MASTER NAME:	Tin(II) Chloride 2-hydrate
SYNONYMS LONG TEXT:	Stannous Chloride
EINECS:	231-868-0
CS:	2827 39 10 00

Tin(II) Chloride 2-hydrate pure

Stannous Chloride

Assay (Iodom.): 97%

CODE	**141303**
CAS	**10025-69-1**
MOLECULAR FORMULA	**$SnCl_2.2H_2O$**
MOLAR MASS	**225.63 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141303.1609	PACKAGING SIZE 250 g	Product discontinued. Alternative 131303.1609 (please check specifications).

Technical data

MELTING POINT:	38 °C
BOILING POINT:	652 °C
SOLUBILITY:	water 1,187 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141303
PRODUCT NAME:	Tin(II) Chloride 2-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Iodom.): 97%

	Insoluble matter in HCl: 0.025 % Sulfate (SO4): 0.05% As: 0.0005 % Cu: 0.05 % Fe: 0.01 % Ni: 0.05 % Pb: 0.1 %
HAZARD PICTOGRAMS	
UN:	3260
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS08 GHS09
H PHRASES:	H410 H319 H335 H315 H373 H332 H317 H341 H361
P PHRASES:	P261

	P264 P270 P271 P280 P501 P301+P312 P302+P352 P304+P340 P305+P351+P338 P312 P321 P330 P332+P313 P337+P313 P362 P403+P233 P405 P201 P202 P281 P308+P313 P273 P391 P301+P310 P331
MASTER NAME:	Tin(II) Chloride 2-hydrate
SYNONYMS LONG TEXT:	Stannous Chloride
EINECS:	231-868-0
CS:	2827 39 10 00

Tin(II) Chloride 2-hydrate (max. 0.000005% Hg) (Reag. USP) for analysis, ACS

Stannous Chloride

Assay (Iodom.): 98.0-103.0%

CODE	**471303**
CAS	**10025-69-1**
MOLECULAR FORMULA	**$SnCl_2.2H_2O$**
MOLAR MASS	**225.63 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 471303.1609	PACKAGING SIZE 250 g

Technical data

MELTING POINT:	38 °C
BOILING POINT:	652 °C
SOLUBILITY:	water 1,187 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	471303
PRODUCT NAME:	Tin(II) Chloride 2-hydrate (max. 0.000005% Hg) (Reag. USP) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Iodom.): 98.0-103.0% **Maximum limit of impurities** Insoluble matter in HCl: 0.005 % Ammonium (NH4): 0.002% Sulfate (SO4): 0.002% As: 0.0001 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Fe: 0.003 % Hg: 0.000005 % K: 0.005 % Mg: 0.005 % Na: 0.01 % Ni: 0.0005 % Pb: 0.01 %

HAZARD PICTOGRAMS

UN:	3260
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS08 GHS09
H PHRASES:	H410

	H319 H335 H315 H373 H332 H317 H341 H361
P PHRASES:	P261 P264 P270 P271 P280 P501 P301+P312 P302+P352 P304+P340 P305+P351+P338 P312 P321 P330 P332+P313 P337+P313 P362 P403+P233 P405 P201 P202 P281 P308+P313 P273 P391 P301+P310 P331

MASTER NAME:	Tin(II) Chloride 2-hydrate
SYNONYMS LONG TEXT:	Stannous Chloride
EINECS:	231-868-0
CS:	2827 39 10 00

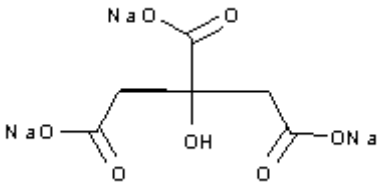
tri-Sodium Citrate 2-hydrate *BioChemica*

Assay (titr.): min. 99 %

CODE	**A3901**
CAS	**6132-04-3**
MOLECULAR FORMULA	**$C_6H_5Na_3O_7 \cdot 2H_2O$**
MOLAR MASS	**294.10 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE A3901,1000	PACKAGING SIZE 1 kg	Product discontinued. Alternative 131655.1211 (please check specifications).
	CODE A3901,9025	PACKAGING SIZE 25 kg	



Technical data

SOLUBILITY:	425 g/L (H_2O)
PHYSICAL DESCRIPTION:	Solid

PRODUCT CODE:	A3901
PRODUCT NAME:	*tri*-Sodium Citrate 2-hydrate *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 99 % pH (5 %; H_2O; 20°C): 7.5 - 9.0 Heavy metals (as Pb): max. 0.001 % Insoluble matter: passes test Chloride: max. 0.001 % Phosphate: max. 0.002 % Sulfate: max. 0.005 % A (1 cm/0.1 M in H_2O) 260 nm: max. 0.02 280 nm: max. 0.02
WGK:	1
STORAGE:	RT
EINECS:	200-675-3
CS:	29181500

tri-Sodium Citrate 2-hydrate (Reag. USP) for analysis, ACS

2-Hydroxy-1,2,3-Propanetricarboxylic Acid SodiumSalt, Citric Acid Trisodium Salt, Sodium Citrate

Minimum assay (Perchl. Ac.): 99.0%

CODE

131655

CAS

6132-04-3

MOLECULAR FORMULA

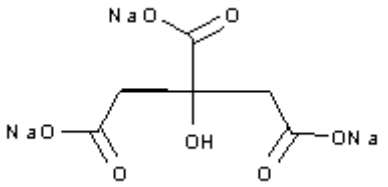
$C_6H_5Na_3O_7.2H_2O$

MOLAR MASS

294.10 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE
	131655.1210	500 g
	131655.1211	1000 g
	131655.1214	5 kg
	131655.0416	25 kg



Technical data

MELTING POINT:	150 °C
SOLUBILITY:	water 720 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131655
PRODUCT NAME:	tri-Sodium Citrate 2-hydrate (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Perchl. Ac.): 99.0% Identity: passes test pH of 5% solution: 7.5-9.0 Maximum limit of impurities Insoluble matter in H2O: 0.003 % Darkened substances by H2SO4: passes test Reducing substances: passes test Chloride (Cl): 0.003% Ammonium (NH4): 0.001% Sulfate (SO4): 0.005% Oxalate (C2O4): 0.01% Heavy Metals (ICP-OES): 0.0005 % Water: 11.0 - 13.0 % As: 0.00004 % Ca: 0.005 % Cu: 0.0005 % Fe: 0.0005 % K: 0.01 % Ni: 0.0005 %

	Pb: 0.0005 %
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-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) IPEC grade

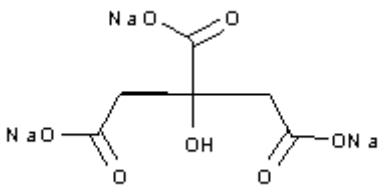
2-Hydroxy-1,2,3-Propanetricarboxylic Acid SodiumSalt, Citric Acid Trisodium Salt, Sodium Citrate

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

CODE	**631655**
CAS	**6132-04-3**
MOLECULAR FORMULA	**$C_6H_5Na_3O_7.2H_2O$**
MOLAR MASS	**294.10 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 631655.0416	PACKAGING SIZE 25 kg



ⓘ Technical data

MELTING POINT:	150 °C
SOLUBILITY:	water 720 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	631655
PRODUCT NAME:	tri-Sodium Citrate 2-hydrate (Ph. Eur, BP, USP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (Perchl. Ac.)(Ph. Eur.) (calc. a.a.s): 99.0-101.0% Assay (Perchl. Ac.)(USP) (a.a.s.): 99.0-100.5% Identity according to Pharmacopoeias: Sodium: passes test Citrate: passes test C USP: passes test Maximum limit of impurities Appearance of solution Appearance Clear < formazin I: passes test Appearance Colourless: passes test Acidity or alkalinity (< 0.2 ml HCl or NaOH 0.1M): passes test Alkalinity USP: passes test Loss on drying at 180°C: 10.0-13.0% Chloride (Cl): 0.0050 % Sulfate (SO4): 0.0150 % Residual solvents (Ph.Eur/USP): passes test Easily darkened substances: < Y2 o GY2 Oxalate (C2O4): 0.0300 % Tartrate: passes test Water (KF): 11.0-13.0 %
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-Sodium Citrate 2-hydrate (E-331iii, F.C.C) food grade

2-Hydroxy-1,2,3-Propanetricarboxylic Acid SodiumSalt, Citric Acid Trisodium Salt, Sodium Citrate

Assay (as C6H5Na3O7) calc. after drying: 99.0-100.5%

CODE

201655

CAS

6132-04-3

MOLECULAR FORMULA

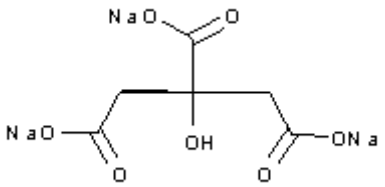
$C_6H_5Na_3O_7.2H_2O$

MOLAR MASS

294.10 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE 201655.0416	PACKAGING SIZE 25 kg



ⓘ Technical data

MELTING POINT:	150 °C
SOLUBILITY:	water 720 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	201655
PRODUCT NAME:	tri-Sodium Citrate 2-hydrate (E-331iii, F.C.C) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as C6H5Na3O7) calc. after drying: 99.0-100.5% Identity Citrate: passes test Sodium: passes test pH 5%: 7.5-9.0 Appearance: passes test Alkalinity: passes test Loss on drying: 10.0 - 13.0 % Oxalate (as oxalic acid) a.a.s., not more than: 0.01% Arsenic (as As), not more than: 1 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 1 ppm Water: 10.0-13.0 % Heavy metals (as Pb) , not more than: 5 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
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 (E-341iii, F.C.C.) food grade

Calcium Phosphate tri-Basic

Assay (in ignited substance), not less than: 90%

CODE	**201228**
CAS	**7758-87-4**
MOLECULAR FORMULA	**$Ca_3(PO_4)_2$**
MOLAR MASS	**310.20 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201228.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

MELTING POINT:	1,670 °C
SOLUBILITY:	water 0.02 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201228
PRODUCT NAME:	tri-Calcium Phosphate (E-341iii, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (in ignited substance), not less than: 90%

	Assay (as Ca): 34.0-40.0 % Identity Phosphate: passes test Calcium: passes test Appearance: passes test P2O5 content (a.a.s.): 38.5 - 48.0 % Loss on ignition, not more than: 8% Fluoride, not more than: 0.005% Arsenic (as As), not more than: 1 ppm Cadmium, not more than: 1 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 1 ppm Aluminium, not more than: 200 ppm Specifications Regulation (UE) n° 231/2012, F.C.C. 12, R.D. 1466/2009 For use in foodstuffs according to Regulation (EC) n° 1333/2008 and F.C.C.
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

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 147039.1211	PACKAGING SIZE 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

tri-Sodium Phosphate 12-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Sodium Phosphate tertiary, Sodium Phosphate tri-Basic

Assay (Acidim.): 98.0-102.0%

CODE	**131680**
CAS	**10101-89-0**
MOLECULAR FORMULA	**$Na_3PO_4.12H_2O$**
MOLAR MASS	**380.12 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131680.1211	PACKAGING SIZE 1000 g
	CODE 131680.0914	PACKAGING SIZE 5 kg
	CODE 131680.0416	PACKAGING SIZE 25 kg

ⓘ Technical data

SOLUBILITY:	water 258 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131680
PRODUCT NAME:	tri-Sodium Phosphate 12-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Acidim.): 98.0-102.0% Maximum limit of impurities Alkalinity: 2.5 % Insoluble matter in H2O: 0.01 % Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.001% Sulfate (SO4): 0.01% Heavy metals (as Pb): 0.001% As: 0.0003 % Ca: 0.005 % Cd: 0.0005 % Co: 0.0005 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.0005 % Mn: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Zn: 0.0005 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319

P PHRASES:	P262 P305+P351+P338 P313
MASTER NAME:	tri-Sodium Phosphate 12-hydrate
SYNONYMS LONG TEXT:	Sodium Phosphate tertiary, Sodium Phosphate tri-Basic
EINECS:	231-509-8
CS:	2835 29 30 00

tri-Sodium Phosphate 1-hydrate pure

Sodium Phosphate tertiary, Sodium Phosphate tri-Basic

Assay (Acidim.): 95%

CODE	**141681**
CAS	**27176-08-5**
MOLECULAR FORMULA	**$Na_3PO_4.H_2O$**
MOLAR MASS	**181.15 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 141681.0914	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141681
PRODUCT NAME:	tri-Sodium Phosphate 1-hydrate pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 95% Insoluble matter in H2O: 0.05 % Chloride (Cl): 0.02% Nitrogen compounds (as N): 0.005% Sulfate (SO4): 0.05%

	As: 0.0005 % Cu: 0.003 % Fe: 0.003 % Ni: 0.003 % Pb: 0.003 %
WGK:	1
STORAGE:	Room Temperature.
P PHRASES:	P262 P305+P351+P338 P313
MASTER NAME:	tri-Sodium Phosphate 1-hydrate
SYNONYMS LONG TEXT:	Sodium Phosphate tertiary, Sodium Phosphate tri-Basic
EINECS:	231-509-8
CS:	2835 29 30 00

tri-Sodium Citrate 5.5-hydrate for analysis

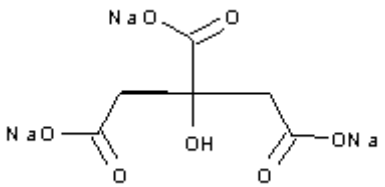
2-Hydroxy-1,2,3-Propanetricarboxylic Acid SodiumSalt, Citric Acid Trisodium Salt, Sodium Citrate

Minimum assay (Perchl. Ac.): 99.0%

CODE	**121656**
CAS	**6858-44-2**
MOLECULAR FORMULA	**$Na_3C_6H_5O_7.5,5H_2O$**
MOLAR MASS	**357.15 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 121656.1211	PACKAGING SIZE 1000 g



Technical data

MELTING POINT:	150 °C (anh)
SOLUBILITY:	water 920 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	121656

PRODUCT NAME:	tri-Sodium Citrate 5.5-hydrate for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (Perchl. Ac.): 99.0% pH of 5% solution: 8.0-9.3 Maximum limit of impurities Insoluble matter in H2O: 0.003 % Darkened substances by H2SO4: passes test Reducing substances: passes test Chloride (Cl): 0.001% Ammonium (NH4): 0.001% Phosphate (PO4): 0.003 % Sulfate (SO4): 0.005% Oxalate (C2O4): 0.01% As: 0.00004 % Ca: 0.005 % Cu: 0.00005 % Fe: 0.0002 % K: 0.01 % Ni: 0.0005 % Pb: 0.0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	tri-Sodium Citrate 5,5-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-Sodium Citrate 2-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

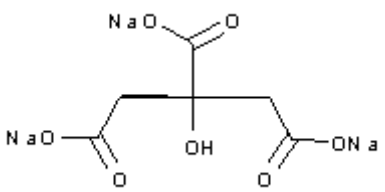
2-Hydroxy-1,2,3-Propanetricarboxylic Acid SodiumSalt, Citric Acid Trisodium Salt, Sodium Citrate

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

CODE	**141655**
CAS	**6132-04-3**
MOLECULAR FORMULA	**$C_6H_5Na_3O_7.2H_2O$**
MOLAR MASS	**294.10 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141655.1211	PACKAGING SIZE 1000 g
	CODE 141655.1214	PACKAGING SIZE 5 kg
	CODE 141655.0416	PACKAGING SIZE 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

XTT Sodium Salt *BioChemica*

CODE	**A2240**
CAS	**111072-31-2**
MOLECULAR FORMULA	**$C_{22}H_{16}N_7O_{13}S_2Na$**
MOLAR MASS	**673.50 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A2240,0100	PACKAGING SIZE 100 mg
	CODE A2240,0500	PACKAGING SIZE 500 mg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2240
PRODUCT NAME:	XTT Sodium Salt *BioChemica*
SPECIFICATIONS:	$\lambda_{max.}$: 283 - 287 nm E 1 %/1 cm, 285 nm: 14800 - 16800 Water: max. 15 %

HAZARD PICTOGRAMS	
UN:	3224
CLASS/PG:	4.1
ADR:	4.1
IMDG:	4.1
IATA:	4.1
WGK:	1
STORAGE:	2 - 8°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02
H PHRASES:	H228 H242
P PHRASES:	P210 P241 P280 P370+P378 P403 P501
CS:	29339980

X-Glucuro CHA Salt *BioChemica*

Assay (TLC): min. 99 %

CODE	**A1113**
CAS	**114162-64-0**
MOLECULAR FORMULA	**$C_{20}H_{26}BrClN_2O_7$**
MOLAR MASS	**521.79 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE
	CODE A1113,0001	PACKAGING SIZE 1 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A1113
PRODUCT NAME:	X-Glucuro CHA Salt *BioChemica*
SPECIFICATIONS:	Assay (TLC): min. 99 % Water (K.F.): max. 5.0 %
WGK:	1
STORAGE:	-20°C protected from light
SHIPMENT:	wet ice
CS:	29389090

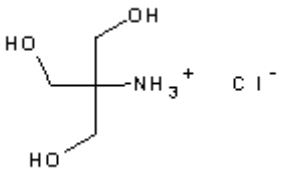
Tris Hydrochloride for molecular biology

Assay (titr., dried subst.): min. 99 %

CODE	**A3452**
CAS	**1185-53-1**
MOLECULAR FORMULA	**$C_4H_{11}NO_3 \cdot HCl$**
MOLAR MASS	**157.60 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE A3452,0500	PACKAGING SIZE 500 g
	CODE A3452,1000	PACKAGING SIZE 1 kg



Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A3452
PRODUCT NAME:	Tris Hydrochloride for molecular biology

SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr., dried subst.): min. 99 % pH (0.5 M; H_2O): 3.5 - 5.0 (25°C) Water: max. 0.5 % As: max. 0.0001 % Ba: max. 0.0001 % Cd: max. 0.0001 % Cu: max. 0.0001 % Fe: max. 0.0005 % Mn: max. 0.0001 % Pb: max. 0.0001 % Zn: max. 0.0002 % A (1 cm/1 M in H_2O) 260 nm: max. 0.06 280 nm: max. 0.05
WGK:	1
STORAGE:	RT
EINECS:	214-684-5
CS:	29221900

Tris-(2-carboxyethyl)-phosphine hydrochloride (TCEP) *BioChemica*

Assay (titr.): min. 98 %

CODE	**A2233**
CAS	**51805-45-9**
MOLECULAR FORMULA	**$C_9H_{16}ClO_6P$**
MOLAR MASS	**286.70 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE A2233,0050	PACKAGING SIZE 50 g

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A2233
PRODUCT NAME:	Tris-(2-carboxyethyl)-phosphine hydrochloride (TCEP) *BioChemica*
SPECIFICATIONS:	Assay (titr.): min. 98 % Loss on drying: max. 2 % Identity (IR): passes test

HAZARD PICTOGRAMS	
UN:	3261
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	2 - 8°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
CS:	29420000

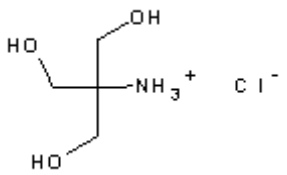
Tris Hydrochloride for buffer solutions

Assay (titr., dried subst.): min. 99 %

CODE	**A1087**
CAS	**1185-53-1**
MOLECULAR FORMULA	**$C_4H_{11}NO_3 \cdot HCl$**
MOLAR MASS	**157.60 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A1087,0500	PACKAGING SIZE 500 g
	CODE A1087,1000	PACKAGING SIZE 1 kg
	CODE A1087,5000	PACKAGING SIZE 5 kg



Technical data

PHYSICAL DESCRIPTION:	Solid

PRODUCT CODE:	A1087
PRODUCT NAME:	Tris Hydrochloride for buffer solutions
SPECIFICATIONS:	Assay (titr., dried subst.): min. 99 % pH (0.5 M; H_2O; 25°C): 3.5 - 5.0 Heavy metals (as Pb): max. 0.001 % Water: max. 0.5 %
WGK:	1
STORAGE:	RT
EINECS:	214-684-5
CS:	29221900

Zinc Chloride pure

Assay (Compl.): 97%

CODE	**141779**
CAS	**7646-85-7**
MOLECULAR FORMULA	**$ZnCl_2$**
MOLAR MASS	**136.28 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141779.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 191779.1211 (please check specifications).

ⓘ Technical data

MELTING POINT:	290 °C
BOILING POINT:	730 °C
SOLUBILITY:	water 3,680 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	141779
PRODUCT NAME:	Zinc Chloride pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Compl.): 97% Insoluble matter in HCl: 0.05 %

	Sulfate (SO4): 0.05% Fe: 0.002 % Pb: 0.002 %
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

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
CODE 191779.1211	PACKAGING SIZE 1000 g

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

Zinc Chloride for analysis, ACS

Minimum assay (Arg.): 97.0%

CODE	**131779**
CAS	**7646-85-7**
MOLECULAR FORMULA	**$ZnCl_2$**
MOLAR MASS	**136.28 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131779.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131779.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.

Technical data

MELTING POINT:	290 °C
BOILING POINT:	730 °C
SOLUBILITY:	water 3,680 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131779
PRODUCT NAME:	Zinc Chloride for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Arg.): 97.0% **Maximum limit of impurities** Insoluble matter in HCl: 0.005 % Ammonium (NH4): 0.005% Sulfate (SO4): 0.01% 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

Zinc Acetate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Acetic Acid Zinc Salt

Assay (Compl.): 99.5-101.0 %

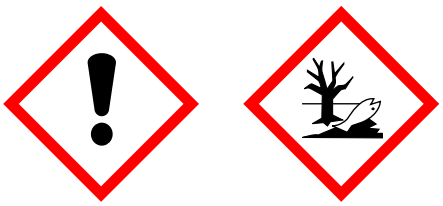
CODE	**131775**
CAS	**5970-45-6**
MOLECULAR FORMULA	**$Zn(CH_3COO)_2.2H_2O$**
MOLAR MASS	**219.49 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 131775.1211	PACKAGING SIZE 1000 g	
	CODE 131775.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 131775.1211 (please check specifications).

Technical data

MELTING POINT:	237 °C
SOLUBILITY:	water 430 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131775

PRODUCT NAME:	Zinc Acetate 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 99.5-101.0 % pH of 5% solution: 6.0-7.0 **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.005% Sulfate (SO4): 0.002% Nitrate (NO3): 0.005% Alkali and alkaline-earth salts: 0.1% As: 0,00005 % Ca: 0,005 % Cd: 0,001 % Cu: 0,001 % Fe: 0,0005 % K: 0,01 % Mg: 0,005 % Mn: 0,001 % Na: 0,01 % Pb: 0,001 %
HAZARD PICTOGRAMS	
UN:	3077
CLASS/PG:	9/III
ADR:	9/III
IMDG:	9/III
IATA:	9/III
WGK:	3

STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS09
H PHRASES:	H302 H410
P PHRASES:	P273 P305+P351+P338 P501

MASTER NAME:	Zinc Acetate 2-hydrate
SYNONYMS LONG TEXT:	Acetic Acid Zinc Salt
EINECS:	209-170-2
CS:	2915 29 00 90

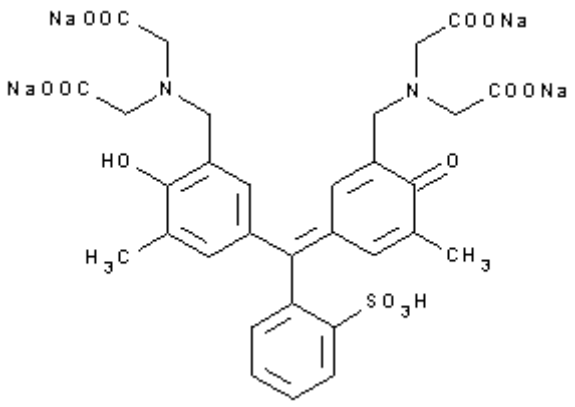
Xylenol Orange Tetrasodium Salt (Reag. Ph. Eur.) for analysis, ACS

o-Cresolsulphonephtalein-3',3"-Bis (Methyliminodiacetic) Acid Tetrasodium salt

CODE	**132617**
CAS	**3618-43-7**
MOLECULAR FORMULA	**$C_{31}H_{28}O_{13}N_2SNa_4$**
MOLAR MASS	**760.60 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 132617.1604	PACKAGING SIZE 5 g	Product active until stock lasts.



Technical data

SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	132617
PRODUCT NAME:	Xylenol Orange Tetrasodium Salt (Reag. Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
HEADLINE COMMENT:	for complexometry
SPECIFICATIONS:	Identity: IR passes test Suitability: as complexometric indicator.: passes test T.L.C.: passes test Maximum limit of impurities Insoluble matter in H2O: passes test Loss on drying at 110°C: 7%
WGK:	3
STORAGE:	Room Temperature.
MASTER NAME:	Xylenol Orange Tetrasodium Salt
SYNONYMS LONG TEXT:	o-Cresolsulphonephtalein-3',3"-Bis (Methyliminodiacetic) Acid Tetrasodium salt
EINECS:	222-805-8
CS:	3204 12 00 90

Zinc Sulfate 7-hydrate (F.C.C.) food grade

White Vitriol

Assay (as ZnSO4.7H2O): 99.0-108.7%

CODE	**201787**
CAS	**7446-20-0**
MOLECULAR FORMULA	**$ZnSO_4.7H_2O$**
MOLAR MASS	**287.54 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 201787.1214	PACKAGING SIZE 5 kg
	CODE 201787.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	100 °C
SOLUBILITY:	water 960 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	201787
PRODUCT NAME:	Zinc Sulfate 7-hydrate (F.C.C.) food grade
QUALITY NAME:	food grade

SPECIFICATIONS:	Assay (as ZnSO4.7H2O): 99.0-108.7% Identity Sulfate: passes test Zinc: passes test Appearance: passes test Acidity: passes test Alkalis and alkaline-earths, not more than: 0.5% Cadmium, not more than: 2 ppm Mercury, not more than: 1 ppm Lead, not more than: 4 ppm Selenium, not more than: 0.003% Arsenic, not more than: 3 ppm Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
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	**$ZnSO_4.H_2O$**
MOLAR MASS	**179.45 g/mol**

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141788.1211	PACKAGING SIZE 1000 g	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 Sulfate 0.1 mol/l (0.1M) volumetric solution

White Vitriol

CODE	**181789**
CAS	**7446-20-0**
MOLECULAR FORMULA	**$ZnSO_4.7H_2O$**
MOLAR MASS	**287.540 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 181789.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.013 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181789
PRODUCT NAME:	Zinc Sulfate 0.1 mol/l (0.1M) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Eriochrome Black T
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

WGK:	2
STORAGE:	Room Temperature.
H PHRASES:	H412
P PHRASES:	P273 P501

MASTER NAME:	Zinc Sulphate 0,1 mol/l *(0,1M)
SYNONYMS LONG TEXT:	White Vitriol
EINECS:	231-793-3
CS:	2833 29 20 00
INDEX NR.:	030-006-00-9

Zinc Sulfate 1-hydrate (F.C.C.) food grade

White Vitriol

Assay (as ZnSO4.H2O): 98.0-100.5%

CODE	**201788**
CAS	**7446-19-7**
MOLECULAR FORMULA	**$ZnSO_4.H_2O$**
MOLAR MASS	**179.45 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 201788.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY:	water 350 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	201788
PRODUCT NAME:	Zinc Sulfate 1-hydrate (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as ZnSO4.H2O): 98.0-100.5% Identity Sulfate: passes test Zinc: passes test Appearance: passes test

	Acidity: passes test Alkalis and alkaline-earths, not more than: 0.5% Cadmium, not more than: 2 ppm Mercury, not more than: 5 ppm Lead, not more than: 4 ppm Selenium, not more than: 0.003% Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.
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 Sulfate 0.05 mol/l (0.05M) volumetric solution

White Vitriol

CODE	**182163**
CAS	**7446-20-0**
MOLECULAR FORMULA	**$ZnSO_4.7H_2O$**
MOLAR MASS	**287.54 g/mol**

Packs sizes (1)

CODE	PACKAGING SIZE
CODE 182163.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY:	1.007 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182163
PRODUCT NAME:	Zinc Sulfate 0.05 mol/l (0.05M) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Eriochrome Black T
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate

	Traceability: NIST
HAZARD PICTOGRAMS	
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H412 H319
P PHRASES:	P273 P280 P305+P351+P338
MASTER NAME:	Zinc Sulphate 0,05 mol/l *(0,05M)
SYNONYMS LONG TEXT:	White Vitriol
EINECS:	231-793-3
CS:	2833 29 20 00
INDEX NR.:	030-006-00-9

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	**$ZnSO_4.7H_2O$**
MOLAR MASS	**287.54 g/mol**

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 141787.1211	PACKAGING SIZE 1000 g
	CODE 141787.0416	PACKAGING SIZE 25 kg

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 7-hydrate for analysis, ACS

White Vitriol

Assay (Compl.): 99.5-103.0%

CODE	**131787**
CAS	**7446-20-0**
MOLECULAR FORMULA	**$ZnSO_4.7H_2O$**
MOLAR MASS	**287.54 g/mol**

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 131787.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131787.1211	PACKAGING SIZE 1000 g	
	CODE 131787.0416	PACKAGING SIZE 25 kg	

ⓘ Technical data

MELTING POINT:	100 °C
SOLUBILITY:	water 960 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131787
PRODUCT NAME:	Zinc Sulfate 7-hydrate for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 99.5-103.0% pH of 5% solution: 4.4-6.0 **Maximum limit of impurities** Insoluble matter in H2O: 0.005 % Chloride (Cl): 0.0005% Nitrogen compounds (as N): 0.0005% As: 0,00005% **Metals by ICP [in mg/Kg (ppm)]** Al: 5 Bi: 5 Ca: 10 Cd: 10 Co: 5 Cr: 5 Cu: 5 Fe: 5 Hg: 5 K: 50 Mg: 10 Mn: 3 Na: 50 Ni: 5 Pb: 20 Sr: 5
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

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