

Кислоты и основания

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
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Брянск (4832)59-03-52
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Владикавказ (8672)28-90-48
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Вологда (8172)26-41-59
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Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
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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Киргизия +996(312)96-26-47

эл.почта: pcc@nt-rt.ru || сайт: <https://panreac.nt-rt.ru/>

α -Ketoglutaric Acid *BioChemica*

Assay (titr.): min. 99 %

CODE

A1138

CAS

328-50-7

MOLECULAR FORMULA

C₅H₆O₅

MOLAR MASS

146.10 g/mol

Packs sizes (2)



CODE

CODE
A1138,0250

PACKAGING SIZE

PACKAGING SIZE
250 g

Product active until stock lasts.



CODE
A1138,9025

PACKAGING SIZE
25 kg

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1138

PRODUCT NAME:

α -Ketoglutaric Acid *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 99 %

pH (1 %; H₂O; 20°C): 1.5 - 2.0

Heavy metals (as Pb): max. 0.001 %

Loss on drying: max. 1 %

A (1 cm/1 % in H₂O)

430 nm: max. 0.2

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

2 - 8°C

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

H PHRASES:

H318

P PHRASES:

P280

P305+P351+P338

P310

EINECS:

206-330-3

CS:

29183000

6-Aminohexanoic Acid (Ph. Eur., BP, USP) IPEC grade

6-Aminocaproic Acid, EACA, e-Aminocaproic Acid

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

CODE	63B764
CAS	60-32-2
MOLECULAR FORMULA	$C_6H_{13}NO_2$
MOLAR MASS	131.18 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
63B764.0914F	5 kg

Technical data

MELTING POINT:	205 °C
SOLUBILITY:	in water at 20°C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	63B764
PRODUCT NAME:	6-Aminohexanoic Acid (Ph. Eur., BP, USP) IPEC grade
QUALITY NAME:	IPEC grade

SPECIFICATIONS:	Assay (Perchl. Ac.) calc. a.d.s.: 98.5-101.0% Assay (HPLC.) calc. a.d.s.: 98.5-101.5% Identity according to Pharmacopoeias: IR: passes test (B Ph. Eur): passes test (C Ph. Eur): passes test (D Ph. Eur): passes test pH sol. 20%: 7.5-8.0 Maximum limit of impurities ABS λ 287 nm 20% sol.: 0.10 ABS λ 450 nm 20% sol.: 0.03 ABS λ 287 nm (98-102°C , 72 h, 20% sol.): 0.15 ABS λ 450 nm (98-102°C , 72 h, 20% sol.): 0.03 Appearance of solution Appearance Colourless (initial, 24h): passes test Appearance Clear (initial, 24h) (< formazin I): passes test Loss on drying at 105°C: 0.5% Residue on ignition (as SO₄): 0.1 % Residual solvents (Ph.Eur/USP): passes test Ninhydrin positive substances: 0.5% Water (H₂O): 0.5%
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STORAGE:	Room Temperature.
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MASTER NAME:	6-Aminohexanoic Acid
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SYNONYMS LONG TEXT:	6-Aminocaproic Acid, EACA, e-Aminocaproic Acid
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EINECS:	200-469-3
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CS:	2922 49 85 90
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3,5-Dinitrosalicylic Acid, 98% for synthesis

2-Hydroxy-3,5-Dinitrobenzoic Acid

Minimum assay (Acidim.): 98%

CODE

162837

CAS

609-99-4

MOLECULAR FORMULA

C₇H₄N₂O₇

MOLAR MASS

228.12 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

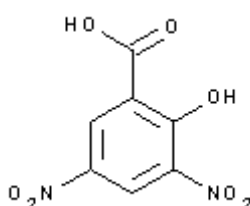
CODE

162837.1608

PACKAGING SIZE

100 g

Product active until stock lasts.



① Technical data

MELTING POINT:

174 °C

SOLUBILITY:

Slightly soluble in water. Soluble in alcohol.

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:	162837
PRODUCT NAME:	3,5-Dinitrosalicylic Acid, 98% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Acidim.): 98% Identity: IR passes test Melting range: 171-174°C

HAZARD PICTOGRAMS



UN:	2811
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302
P PHRASES:	P264 P270 P301+P312 P330 P501

MASTER NAME:	3,5-Dinitrosalicylic Acid
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SYNONYMS LONG TEXT: 2-Hydroxy-3,5-Dinitrobenzoic Acid

EINECS: 210-204-3

CS: 2918 29 00 90

1H-Indole-3-Butyric Acid, 99% for synthesis

4-(3-Indolyl)Butyric Acid, IBA

Assay: 99%

CODE

155494

CAS

133-32-4

MOLECULAR FORMULA

C₁₂H₁₃NO₂

MOLAR MASS

203.24 g/mol

Packs sizes (1)



CODE

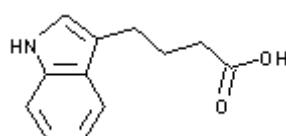
PACKAGING SIZE

CODE

PACKAGING SIZE

155494.1606

25 g



Technical data

MELTING POINT:

125 °C

SOLUBILITY:

Slightly soluble in water. Soluble in alcohol.

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

155494

PRODUCT NAME:	1H-Indole-3-Butyric Acid, 99% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Assay: 99% Identity: IR passes test

HAZARD PICTOGRAMS



UN:	2811
CLASS/PG:	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	Storage between +2 and +8°C .
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H332 H302
P PHRASES:	P261 P264 P270 P271 P301+P312 P501 P304+P340 P312 P330

MASTER NAME:	1H-Indole-3-Butyric Acid
SYNONYMS LONG TEXT:	4-(3-Indolyl)Butyric Acid, IBA
EINECS:	205-101-5
CS:	2933 99 80 90

1,2-Diaminocyclohexane-N,N,N',N',-Tetraacetic Acid 1-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

1,2-Cyclohexanediamine Tetraacetic Acid, 1,2-Cyclohexylenedinitrile Tetraacetic Acid, CDTA, Titriplex IV

Assay (Compl.): 97.5-100.5%

CODE

133534

CAS

125572-95-4

MOLECULAR FORMULA

$C_{14}H_{22}N_2O_8 \cdot H_2O$

MOLAR MASS

364.36 g/mol

Packs sizes (1)



CODE

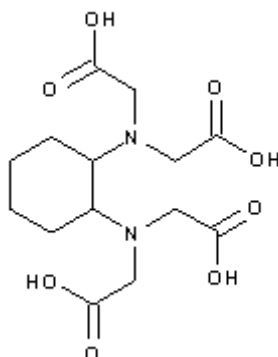
PACKAGING SIZE

CODE

133534.1208

PACKAGING SIZE

100 g



① Technical data

MELTING POINT:	213 - 216 °C
SOLUBILITY:	Insoluble in water
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	133534
PRODUCT NAME:	1,2-Diaminocyclohexane-N,N,N',N'-Tetraacetic Acid 1-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Compl.): 97.5-100.5% Identity: IR passes test

Maximum limit of impurities

Insoluble matter in NaOH: passes test
Residue on ignition (as SO₄): 0.2 %
Heavy metals (as Pb): 0.001%
Fe: 0.005 %

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319 H335
P PHRASES:	P261 P280

P305+P351+P338

P403+P233

P405

P501

MASTER NAME:	1,2-Diaminocyclohexane-N,N,N',N',-Tetraacetic Acid 1-hydrate
SYNONYMS LONG TEXT:	1,2-Cyclohexanediamine Tetraacetic Acid, 1,2-Cyclohexylenedinitrile Tetraacetic Acid, CDTA, Titriplex IV
EINECS:	236-308-9
CS:	2922 49 85 90

Acetic Acid 80% for analysis

Minimum assay (Acidim.): 80.0%

CODE

121556

CAS

64-19-7

MOLECULAR FORMULA

CH₃COOH

MOLAR MASS

60.05 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

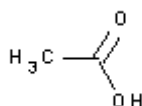
CODE

121556.1611

PACKAGING SIZE

1000 ml

Product active until stock lasts.



Technical data

DENSITY:

1.07 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

121556

PRODUCT NAME:

Acetic Acid 80% for analysis

QUALITY NAME:

for analysis

SPECIFICATIONS:

Minimum assay (Acidim.): 80.0%

Maximum limit of impurities

APHA colour: 10

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.001 %

Reducing substance to KMnO₄: passes test

Residue on ignition (as SO₄): 0.0005 %

Chloride (Cl): 0.0001%

Sulfate (SO₄): 0.0001%

Peroxides: 0.0002%

Reducing substances to K₂Cr₂O₇: passes test

Acetaldehyde (CH₃CHO): 0.0002%

Formate (HCOO): 0.01%

Nitrate (NO₃): 0.0001%

Heavy metals (as Pb): 0.0001%

Ag: 0.000001 %

Al: 0.000005 %

As: 0.00005 %

Ba: 0.00001 %

Be: 0.000001 %

Ca: 0.00005 %

Cd: 0.000001 %

Co: 0.000001 %

Cr: 0.000002 %

Cu: 0.000001 %

Fe: 0.00001 %

K: 0.00001 %

Li: 0.000001 %

Mg: 0.00001 %

Mn: 0.000001 %

Na: 0.00005 %

Ni: 0.000005 %

Pb: 0.000002 %

Sr: 0.000005 %

Zn: 0.000005 %

HAZARD PICTOGRAMS



UN:

2789

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:	Acetic Acid 80%
EINECS:	200-580-7
CS:	2915 21 00 90
INDEX NR.:	607-002-00-6

Acetic Acid 36% (USP-NF) pharma grade

Assay (Acidim.): 36.0-37.0 %

CODE

196358

CAS

64-19-7

MOLECULAR FORMULA

C₂H₄O₂

MOLAR MASS

60.05 g/mol

Packs sizes (1)



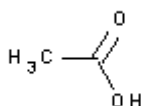
CODE

CODE
196358.0716

PACKAGING
SIZE

PACKAGING
SIZE
25 l

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



Technical data

DENSITY: 1.046 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 196358

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

QUALITY NAME: pharma grade

SPECIFICATIONS:

Assay (Acidim.): 36.0-37.0 %

Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Non-volatile matter: 0.005 %

Chloride (Cl): passes test

Sulfate (SO₄): passes test

Residual solvents (USP): passes test

Readily oxidable substances: passes test

HAZARD PICTOGRAMS

UN: 2790

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314

P PHRASES:

P260
P264
P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310

P321

P338

P363

P405

MASTER NAME:

Acetic Acid 36%

EINECS:

200-580-7

CS:

2915 21 00 90

Acetic Acid 25% w/w pharma grade

Assay (Acidim.): 23-27 %

CODE

196884

CAS

64-19-7

MOLECULAR FORMULA

CH₃COOH

MOLAR MASS

60.05 g/mol

Packs sizes (1)



CODE

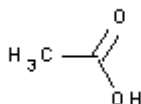
PACKAGING SIZE

CODE

196884.1215

PACKAGING SIZE

10 l



Technical data

DENSITY: 1.031 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 196884

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

QUALITY NAME: pharma grade

SPECIFICATIONS: Assay (Acidim.): 23-27 %

Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.005 %

Reducing substances: passes test

Easily oxidable substances: passes test

Chloride (Cl): 0.001%

Sulfate (SO₄): 0.001%

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

Aldehydes (as CH₃CHO): 0.05%

Total aerobic microbial count (TAMC): 100 cfu/ml

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

Heavy metals (as Pb): 0.0005%

Fe: 0.0005 %

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

HAZARD PICTOGRAMS



UN:	2790
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05

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

MASTER NAME:	Acetic Acid 25% w/w
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EINECS:	200-580-7
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CS:	2915 21 00 90
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INDEX NR.:	607-002-00-6
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Acetic Acid 100 % *BioChemica*

Assay (titr.): min. 99.7 %

CODE

A3701

CAS

64-19-7

MOLECULAR FORMULA

CH₃COOH

MOLAR MASS

60.05 g/mol

Packs sizes (2)



CODE

CODE
A3701,1000PE

PACKAGING SIZE

PACKAGING SIZE
1 L

Product active until stock lasts.



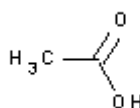
CODE

A3701,2500PE

PACKAGING SIZE

2.5 L

Product active until stock lasts.



① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A3701

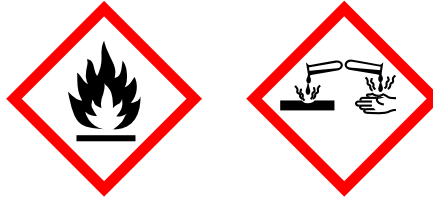
PRODUCT NAME:

Acetic Acid 100 % *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 99.7 %
Non-volatile matter: max. 0.003 %
Heavy metals (as Pb): max. 0.0005 %
Water (K.F.): max. 0.2 %
Chloride: max. 0.0002 %
Sulfate: max. 0.0005 %

HAZARD PICTOGRAMS



UN: 2789

CLASS/PG: 8(3)/II

ADR: 8(3)/II

IMDG: 8(3)/II

IATA: 8(3)/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05

H PHRASES: H226
H314

P PHRASES: P280
P303+P361+P353
P305+P351+P338
P310
P321
P405
P501

EINECS: 200-580-7

CS: 29152100

INDEX NR.: 607-002-00-6

Acetic Acid 1 mol/l (1N) volumetric solution

CODE	181009
CAS	64-19-7
MOLECULAR FORMULA	CH ₃ COOH
MOLAR MASS	60.05 g/mol

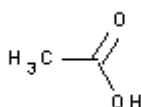
Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 181009.1211	PACKAGING SIZE 1000 ml
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Product active until stock lasts.



① Technical data

DENSITY:	1.009 kg/l
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PHYSICAL DESCRIPTION:	liquid
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PRODUCT CODE:	181009
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PRODUCT NAME:	Acetic Acid 1 mol/l (1N) volumetric solution
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QUALITY NAME:	volumetric solution
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HEADLINE COMMENT:

Indicator: Phenolphthalein

SPECIFICATIONS:

Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate

Traceability: NIST

WGK:

1

STORAGE:

Room Temperature.

MASTER NAME:

Acetic Acid 1 mol/l *(1N)

EINECS:

200-580-7

CS:

2915 21 00 10

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

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

CODE

A1342

CAS

39665-12-8

MOLECULAR FORMULA

$C_6H_{14}N_2O_2 \cdot H_2O$

MOLAR MASS

164.21 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1342,0100

PACKAGING SIZE
100 g



CODE
A1342,0250

PACKAGING SIZE
250 g



CODE
A1342,9010

PACKAGING SIZE
10 kg

Technical data

SOLUBILITY: 300 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1342

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

200-294-2

CS:

29224100

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

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

CODE

A1701

CAS

56-84-8

MOLECULAR FORMULA

C₄H₇NO₄

MOLAR MASS

133.10 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1701,9050

PACKAGING SIZE
50 kg



CODE
A1701,1000

PACKAGING SIZE
1 kg



CODE
A1701,5000

PACKAGING SIZE
5 kg

Technical data

SOLUBILITY: 5 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1701

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-291-6
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CS:	29224985
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L-Asparagine anhydrous (USP-NF) pure, pharma grade

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

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

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 147755.0914	PACKAGING SIZE 5 kg

① Technical data

PRODUCT CODE:	147755
PRODUCT NAME:	L-Asparagine anhydrous (USP-NF) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 98.0 - 101.5 % α 20°C/D; 1 %, 6 M HCl: +33.0° - +36.5° Colony count (yeasts & moulds): max. 100 CFU/g Total aerobic microbial count: max. 1000 CFU/g Identity: passes test Loss on drying (3 h; 130°C): max. 1.0 % Residue on ignition: max. 0.1 %

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

WGK: 1

STORAGE: RT

EINECS: 200-735-9

CS: 29241900

Hydrochloric Acid 37% (max. 0,0000005% Hg) (Reag. USP) for analysis, ACS, ISO

Muriatic Acid

Assay (Acidim.): 36.5-38.0 %

CODE	131020
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (6)

	CODE	PACKAGING SIZE
	CODE 131020.1211	PACKAGING SIZE 1000 ml
	CODE 131020.1611	PACKAGING SIZE 1000 ml
	CODE 131020.1212	PACKAGING SIZE 2.5 l
	CODE 131020.1612	PACKAGING SIZE 2.5 l
	CODE 131020.1214	PACKAGING SIZE 5 l



CODE
131020.9774

PACKAGING SIZE
1000 l

① Technical data

MELTING POINT:	-25 °C
BOILING POINT:	85 °C
DENSITY:	1.19 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	131020
PRODUCT NAME:	Hydrochloric Acid 37% (max. 0,0000005% Hg) (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Acidim.): 36.5-38.0 % Density 15/4: ≥ 1.19

Maximum limit of impurities

APHA colour: 10
Appearance: passes test
Residue on ignition (as SO₄): 0.0005 %
Chlorine (Cl): 0.0001%
Ammonium (NH₄): 0.0003%
Bromide (Br): 0.005%
Phosphate (PO₄): 0.00005 %
Sulfate (SO₄): 0.0001%
Sulfite: 0.0001%
Extractable organic substances: passes test
Heavy Metals (ICP-OES): 0.0001 %
Hg: 0.0000005 %

Metals by ICP [in mg/Kg (ppm)]

Ag: 0,05
Al: 0,1

As: 0,01
Au: 0,1
B: 0,2
Ba: 0,05
Be: 0,02
Bi: 0,05
Ca: 0,5
Cd: 0,01
Co: 0,01
Cr: 0,02
Cu: 0,02
Fe: 0,2
Ga: 0,05
Ge: 0,02
In: 0,05
K: 0,1
Li: 0,02
Mg: 0,1
Mn: 0,01
Mo: 0,01
Na: 0,5
Ni: 0,02
Pb: 0,02
Pt: 0,1
Sb: 0,01
Si: 0,1
Sn: 0,1
Sr: 0,02
Ti: 0,02
Tl: 0,02
V: 0,01
Zn: 0,05
Zr: 0,02

HAZARD PICTOGRAMS



UN: 1789

CLASS/PG: 8/II

ADR: 8/II

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

MASTER NAME:	Hydrochloric Acid 37%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Acetic Acid 96% for analysis

Minimum assay (Acidim.): 96.0%

CODE 122703

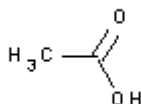
CAS 64-19-7

MOLECULAR FORMULA CH_3COOH

MOLAR MASS 60.05 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 122703.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 122703.1612	PACKAGING SIZE 2.5 l	Product active until stock lasts.
	CODE 122703.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 131008.1214 (please check specifications).



① Technical data

MELTING POINT: 10 °C

BOILING POINT: 118 °C

DENSITY: 1.06 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 122703

PRODUCT NAME: Acetic Acid 96% for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay (Acidim.): 96.0%

Maximum limit of impurities

APHA colour: 10

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.001 %

Reducing substance to KMnO₄: passes test

Residue on ignition (as SO₄): 0.0005 %

Chloride (Cl): 0.0001%

Sulfate (SO₄): 0.0001%

Reducing substances to K₂Cr₂O₇: passes test

Acetaldehyde (CH₃CHO): 0.0002%

Formate (HCOO): 0.01%

Nitrate (NO₃): 0.0001%

Ag: 0.000001 %

Al: 0.000005 %

As: 0.00005 %

Ba: 0.00001 %

Be: 0.000001 %

Ca: 0.00005 %

Cd: 0.000001 %

Co: 0.000001 %

Cr: 0.000002 %

Cu: 0.000001 %

Fe: 0.00001 %

K: 0.00001 %

Li: 0.000001 %

Mg: 0.00001 %

Mn: 0.000001 %

Na: 0.00005 %

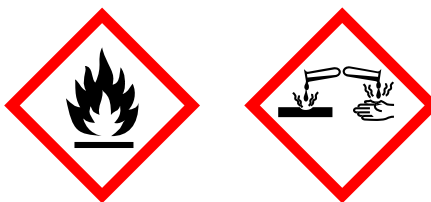
Ni: 0.000005 %

Pb: 0.000002 %

Sr: 0.000005 %

Zn: 0.000005 %

HAZARD PICTOGRAMS



UN:	2789
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05
H PHRASES:	H226 H314
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P260 P264 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338

P310
P321
P338
P363
P370+P378
P403+P235
P405

MASTER NAME:	Acetic Acid 96%
EINECS:	200-580-7
CS:	2915 21 00 90
INDEX NR.:	607-002-00-6

Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade

Assay (Acidim.): 99.5-100.5%

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

Packs sizes (8)

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



CODE
141008.9914

PACKAGING SIZE
5 l



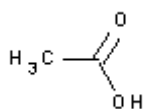
CODE
141008.0716

PACKAGING SIZE
25 l



CODE
141008.9774

PACKAGING SIZE
1000 l



Technical data

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

PRODUCT CODE:	141008
PRODUCT NAME:	Acetic Acid glacial (USP, BP, Ph. Eur., JP) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 99.5-100.5% Identity according to Pharmacopoeias:: passes test Freezing point: $\geq 15.6^{\circ}\text{C}$

Maximum limit of impurities

Appearance of the substance: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.005 %

Reducing substances: passes test

Easily oxidable substances: passes test

Chloride (Cl): 0.001%

Sulfate (SO₄): 0.001%

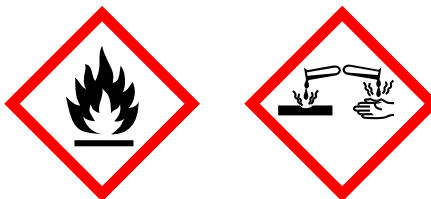
Residual solvents (Ph.Eur/USP): passes test

Aldehydes (as CH₃CHO): 0.05%

Heavy metals (as Pb): 0.001 %

Fe: 0,0005 %

HAZARD PICTOGRAMS



UN:	2789
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05
H PHRASES:	H226 H314
P PHRASES:	P210 P233 P240 P241 P242

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

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

Acetic Acid glacial (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica

Minimum assay (G.C.): 99.7%

CODE	131008
CAS	64-19-7
MOLECULAR FORMULA	CH ₃ COOH
MOLAR MASS	60.05 g/mol

Packs sizes (5)



CODE	PACKAGING SIZE
CODE 131008.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 131008.1611	PACKAGING SIZE 1000 ml



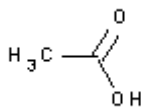
CODE	PACKAGING SIZE
CODE 131008.1212	PACKAGING SIZE 2.5 l



CODE	PACKAGING SIZE
CODE 131008.1612	PACKAGING SIZE 2.5 l



CODE	PACKAGING SIZE
CODE 131008.1214	PACKAGING SIZE 5 l



① Technical data

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

PRODUCT CODE:	131008
PRODUCT NAME:	Acetic Acid glacial (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica
QUALITY NAME:	for analysis, ACS, ISO, BioChemica
SPECIFICATIONS:	Minimum assay (G.C.): 99.7% Density 20/20: 1.050-1.052 Freezing point: $\geq 16.0^{\circ}\text{C}$

Maximum limit of impurities

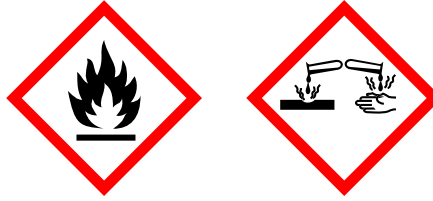
APHA colour: 10
Alkalinity: 0.0004 meq/g
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.001 %
Reducing substance to KMnO₄: passes test
Residue on ignition (as SO₄): 0.0005 %
Chloride (Cl): 0.00004%
Phosphate (PO₄): 0.00004 %
Sulfate (SO₄): 0.0001%
Reducing substances to K₂Cr₂O₇: passes test
Acetaldehyde (CH₃CHO): 0.0002%
Acetic anhydride [(CH₃CO)₂O] (G.C.): 0.01%
Formate (HCOO): 0.01%

Nitrate (NO₃): 0.0001%
Water (H₂O): 0.2 %
Heavy metals (as Pb): 0.00005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.01
Al: 0.05
As: 0.5
Au: 0.1
B: 0.05
Ba: 0.1
Be: 0.01
Bi: 0.05
Ca: 0.5
Cd: 0.01
Co: 0.01
Cr: 0.02
Cu: 0.01
Fe: 0.1
Ga: 0.05
Ge: 0.02
Hg: 0.1
In: 0.05
K: 0.1
Li: 0.01
Mg: 0.1
Mn: 0.01
Mo: 0.02
Na: 0.5
Ni: 0.05
Pb: 0.5
Pt: 0.1
Sb: 0.02
Si: 0.1
Sn: 0.05
Sr: 0.05
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.05
Zr: 0.05

HAZARD PICTOGRAMS



UN:	2789
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05
H PHRASES:	H226 H314
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P260 P264 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P338 P363

P370+P378
P403+P235

MASTER NAME: Acetic Acid glacial

EINECS: 200-580-7

CS: 2915 21 00 10

INDEX NR.: 607-002-00-6

Acetic Acid glacial for HPLC

Minimum assay (G.C.): 99.8%

CODE 361008

CAS 64-19-7

MOLECULAR FORMULA CH_3COOH

MOLAR MASS 60.05 g/mol

Packs sizes (2)

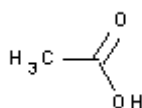


CODE PACKAGING SIZE

CODE PACKAGING SIZE
361008.1611 1000 ml



CODE PACKAGING SIZE
361008.1612 2.5 l



① Technical data

MELTING POINT: 16.7 °C

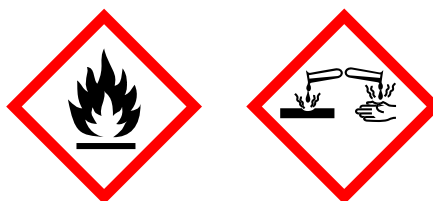
BOILING POINT: 117 - 119 °C

DENSITY: 1.052 kg/l

REFRACTIVE INDEX: 20/D 1.3718

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	361008
PRODUCT NAME:	Acetic Acid glacial for HPLC
QUALITY NAME:	for HPLC
SPECIFICATIONS:	Minimum assay (G.C.): 99.8% Identity: IR passes test Maximum limit of impurities APHA colour: 10 Non-volatile matter: 0.001 % Water (H₂O): 0.1 % UV Spectrum (1cm cell; Ref.: water): Transmittance at 253 (Cut off) nm: ≥10% Transmittance at 254 nm: ≥25% Transmittance at 280 nm: ≥95% Transmittance at 300-450 nm: ≥98% Data of interest in HPLC: Rohrschneider Polarity: 6.0 Sol. H₂O in solv. at 20°C: miscible For critical jobs, purge with nitrogen. Microfiltered product (0.2 µm) and bottled under nitrogen atmosphere.

HAZARD PICTOGRAMS



UN:	2789
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05

H PHRASES: H226
H314

P PHRASES: P210
P233
P240
P241
P242
P501
P243
P260
P264
P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P338
P363
P370+P378
P403+P235

MASTER NAME: Acetic Acid glacial

EINECS: 200-580-7

CS: 2915 21 00 10

INDEX NR.: 607-002-00-6

Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade

Caustic Soda

Assay (Acidim.): 98.0-100.5%

CODE	141687
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 141687.1210	PACKAGING SIZE 500 g
	CODE 141687.1211	PACKAGING SIZE 1000 g
	CODE 141687.1214	PACKAGING SIZE 5 kg
	CODE 141687.0415	PACKAGING SIZE 10 Kg
	CODE 141687.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	318 °C
BOILING POINT:	1,390 °C
SOLUBILITY:	water 1,090 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White solid as lentils or flakes, frosted, caustic deliquescent, absorbing CO ₂ from the air

PRODUCT CODE:	141687
PRODUCT NAME:	Sodium Hydroxide pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 98.0-100.5% Assay (as Na): 54.0-59.8% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Chloride (Cl): 0.0200% Nitrogen compounds (as N): 0.002% Phosphate (PO ₄): 0.002 % Sulfate (SO ₄): 0.0200% Carbonate (as Na ₂ CO ₃): 1.0% Residual solvents (Ph.Eur/USP): passes test Insoluble substances and organic matter: passes test Fe: 0,0010 % K: 0,5 % Product can present some grey dark-pellets, due to manufacturing process. Product can be used without any concern.

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353 P501 P305+P351+P338 P310

MASTER NAME:	Sodium Hydroxide pellets
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 10 mol/l (10N) pharma grade

CODE	193508
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 193508.0715	PACKAGING SIZE 10 l	Product discontinued. Alternative 183508.1211 (please check specifications).

Technical data

DENSITY: 1.331 kg/l

SOLUBILITY: Soluble in water.

PRODUCT CODE: 193508

PRODUCT NAME: Sodium Hydroxide 10 mol/l (10N) pharma grade

QUALITY NAME: pharma grade

HEADLINE COMMENT: Indicator: Phenolphthalein.

SPECIFICATIONS: Titer at 20°C: 1.00±0.01
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.002%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as Na₂CO₃): 1.0%

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

Heavy metals (as Pb): 0.001%

Al: 0.002 %

Ca: 0.005 %

Fe: 0.001 %

K: passes test

Mg: 0.005 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264

P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME: Sodium Hydroxide 10 mol/l *(10N)

EINECS: 215-185-5

CS: 2815 12 00 00

Ammonia 25% (as NH₃) (Reag. USP, Ph. Eur.) for analysis

Ammonium Hydroxide

Assay (Acidim.): 25.0-27.0 %*

CODE	121129
CAS	1336-21-6
MOLECULAR FORMULA	NH ₃
MOLAR MASS	17.03 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 121129.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 121129.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 121129.0716	PACKAGING SIZE 25 l

① Technical data

DENSITY: 0.905 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 121129

PRODUCT NAME: Ammonia 25% (as NH₃) (Reag. USP, Ph. Eur.) for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Assay (Acidim.): 25.0-27.0 %*
Density 20/4: 0.901-0.907*

Maximum limit of impurities

APHA colour: 10
Non-volatile matter: 0.002 %
Reducing substance to KMnO₄ (as O): 0.0008 %
Chloride (Cl): 0.00005%
Sulfur compounds (as SO₄): 0.0002 %
Phosphate (PO₄): 0.0001 %
Sulfide (S): 0.00001 %
Carbonate (as CO₂): 0.002%
Pyridine and homologues: 0.0002%
As: 0.000005 %
Heavy metals (as Pb): 0.00005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02
Al: 0.1
Au: 0.1
B: 0.5
Ba: 0.1
Be: 0.1
Bi: 0.05
Ca: 1
Cd: 0.1
Co: 0.1
Cr: 0.05
Cu: 0.1
Fe: 0.1
Ga: 0.05
Ge: 0.02
Hg: 0.1
In: 0.05
K: 1
Li: 0.02
Mg: 0.5

Mn: 0.1
Mo: 0.02
Na: 2
Ni: 0.05
Pb: 0.05
Pt: 0.1
Sb: 0.02
Si: 0.3
Sn: 0.05
Sr: 1
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.05

* At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN:	2672
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Storage below 20°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H400 H335

P PHRASES:	P260
	P261
	P264
	P271
	P273
	P501
	P280
	P301+P330+P331
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P310
	P312
	P321
	P363
	P391
	P403+P233
	P405

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

Ammonium Hydroxide

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

CODE 141129

CAS 1336-21-6

MOLECULAR FORMULA NH₃

MOLAR MASS 17.03 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
CODE 141129.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 141129.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 141129.0716	PACKAGING SIZE 25 l



CODE	PACKAGING SIZE
CODE 141129.0719	PACKAGING SIZE 200 l

① Technical data

DENSITY: 0.905 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	141129
PRODUCT NAME:	Ammonia 25% (as NH ₃) (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (w/w): 25.0-27.0 %* Identity according to Pharmacopoeias:: passes test Density 20/20: 0.901-0.907*

Maximum limit of impurities

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

HAZARD PICTOGRAMS



UN:	2672
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III

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

MASTER NAME:	Ammonia 25% *(as NH ₃)
SYNONYMS LONG TEXT:	Ammonium Hydroxide
EINECS:	215-647-6
CS:	2814 20 00 00
INDEX NR.:	007-001-01-2

Ammonia 20% (as NH3) for analysis

Ammonium Hydroxide

Minimum assay (Acidim.): 20 %*

CODE	121128
CAS	1336-21-6
MOLECULAR FORMULA	NH ₃
MOLAR MASS	17.03 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE	PACKAGING SIZE
121128.1611	1000 ml

Product active until stock lasts.

Technical data

DENSITY: 0.920 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 121128

PRODUCT NAME: Ammonia 20% (as NH3) for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay (Acidim.): 20 %*
Density 20/4: 0.917-0.923*

Maximum limit of impurities
APHA colour: 10

Non-volatile matter: 0.002 %
Reducing substance to KMnO₄ (as O): 0.0008 %
Chloride (Cl): 0.00005%
Sulfur compounds (as SO₄): 0.0002 %
Phosphate (PO₄): 0.0001 %
Sulfide (S): 0.00001 %
Carbonate (as CO₂): 0.002%
Pyridine and homologues: 0.0002%
Heavy metals (as Pb): 0.00005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02
Al: 0.5
As: 0.000005 %
Au: 0.1
B: 0.5
Ba: 0.1
Be: 0.1
Bi: 0.05
Ca: 1
Cd: 0.1
Co: 0.1
Cr: 0.05
Cu: 0.1
Fe: 0.1
Ga: 0.05
Ge: 0.02
Hg: 0.1
In: 0.05
K: 1
Li: 0.02
Mg: 0.5
Mn: 0.1
Mo: 0.02
Na: 2
Ni: 0.05
Pb: 0.05
Pt: 0.1
Sb: 0.02
Si: 0.2
Sn: 0.05
Sr: 1
Ti: 0.05
Tl: 0.02

V: 0.02

Zn: 0.1

Zr: 0.05

* At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN:

2672

CLASS/PG:

8/III

ADR:

8/III

IMDG:

8/III

IATA:

8/III

WGK:

2

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

GHS09

GHS07

H PHRASES:

H314

H302+H332

H400

P PHRASES:

P260

P261

P264

P271

P273

P501

P280

P301+P330+P331

P303+P361+P353

P304+P340

P305+P351+P338

P312

P321
P363
P391
P403+P233
P405
P310

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

Amidosulfuric Acid (Reag. USP, Ph. Eur.) for analysis, ACS

Amidosulphonic Acid, Amidosulphuric Acid, Sulphamidic Acid, Sulphaminic Acid

Assay (Acidim.) (a.d.s.): 99.5-100.3 %

CODE 131056

CAS 5329-14-6

MOLECULAR FORMULA $\text{H}_3\text{NO}_3\text{S}$

MOLAR MASS 97.07 g/mol

Packs sizes (2)



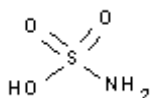
CODE PACKAGING SIZE

CODE 131056.1210 PACKAGING SIZE 500 g



CODE 131056.1211 PACKAGING SIZE 1000 g

Product active until stock lasts.



① Technical data

MELTING POINT: 200 °C

SOLUBILITY: water 150 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE: 131056

PRODUCT NAME: Amidosulfuric Acid (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Assay (Acidim.) (a.d.s.): 99.5-100.3 %
Identity: IR passes test

Maximum limit of impurities

Insoluble matter in H₂O: 0.01 %
Residue on ignition: 0.01 %
Chloride (Cl): 0.001%
Sulfate (SO₄): 0.05%
Heavy metals (as Pb): 0.001%
Cu: 0.001 %
Fe: 0.0005 %
Ni: 0.001 %
Pb: 0.001 %

HAZARD PICTOGRAMS



UN: 2967

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:	H319 H315 H412
P PHRASES:	P264 P273 P280 P302+P352 P305+P351+P338 P501 P321 P332+P313 P337+P313 P362

MASTER NAME:	Sulphamic Acid
SYNONYMS LONG TEXT:	Amidosulphonic Acid, Amidosulphuric Acid, Sulphamidic Acid, Sulphaminic Acid
EINECS:	226-218-8
CS:	2811 19 80 10
INDEX NR.:	016-026-00-0

Acetic Anhydride (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Minimum assay: 99%

CODE	131147
CAS	108-24-7
MOLECULAR FORMULA	(CH ₃ CO) ₂ O
MOLAR MASS	102.09 g/mol

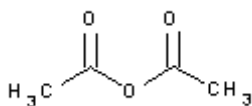
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 131147.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 131147.0716	PACKAGING SIZE 25 l



① Technical data

MELTING POINT:	-73 °C
BOILING POINT:	136 - 142 °C
DENSITY:	1.08 kg/l

SOLUBILITY: Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene

REFRACTIVE INDEX: 20/D 1.3903

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131147

PRODUCT NAME: Acetic Anhydride (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Minimum assay: 99%

Maximum limit of impurities

Non-volatile matter: 0.003 %

Reducing substance to KMnO₄: passes test

Chloride (Cl): 0.0005%

Phosphate (PO₄): 0.001 %

Sulfate (SO₄): 0.0005%

Heavy metals (as Pb): 0.0002%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.1

Al: 0.05

As: 0.1

Au: 0.1

B: 0.05

Ba: 0.1

Bi: 0.05

Ca: 5

Cd: 0.02

Co: 0.02

Cr: 0.02

Cu: 0.02

Fe: 0.1

Ga: 0.05

Ge: 0.02

Hg: 0.1

In: 0.05

K: 0.1

Li: 0.02

Mg: 0.1
Mn: 0.02
Mo: 0.02
Na: 0.5
Ni: 0.02
Pb: 0.1
Pt: 0.1
Sb: 0.02
Si: 0.1
Sn: 0.05
Sr: 0.05
Ti: 0.05
Tl: 0.02
V: 0.05
Zn: 0.1
Zr: 0.02

HAZARD PICTOGRAMS



UN: 1715

CLASS/PG: 8(3)/II

ADR: 8(3)/II

IMDG: 8(3)/II

IATA: 8(3)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07
GHS05

H PHRASES: H226
H332

	H302
	H314
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P243
	P260
	P261
	P264
	P270
	P271
	P280
	P301+P312
	P301+P330+P331
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P310
	P312
	P321
	P330
	P338
	P363
	P370+P378
	P403+P235
	P405
	P501

MASTER NAME:	Acetic Anhydride
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EINECS:	203-564-8
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CS:	2915 24 00 00
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INDEX NR.:	607-008-00-9
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Boric Acid for molecular biology

Assay (titr.): min. 99.8 %

CODE

A2940

CAS

10043-35-3

MOLECULAR FORMULA

H₃BO₃

MOLAR MASS

61.83 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A2940,1000

PACKAGING SIZE
1 kg

Product active until stock lasts.

① Technical data

SOLUBILITY: 50 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A2940

PRODUCT NAME: Boric Acid for molecular biology

SPECIFICATIONS:

- DNases/RNases/Proteases: not detectable
- Assay (titr.): min. 99.8 %
- pH (5 %; H₂O; 20°C): 3.5 - 4.8
- Water: max. 0.3 %
- Chloride: max. 0.001 %
- Phosphate: max. 0.0002 %
- Sulfate: max. 0.02 %
- As: max. 0.0001 %

Ca: max. 0.002 %
Cu: max. 0.0005 %
Fe: max. 0.0002 %
Mg: max. 0.0005 %
Na: max. 0.005 %
Pb: max. 0.0005 %

HAZARD PICTOGRAMS



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

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

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

Benzenecarboxylic acid, Phenylformic acid

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

CODE 141014

CAS 65-85-0

MOLECULAR FORMULA C_6H_5COOH

MOLAR MASS 122.12 g/mol

Packs sizes (2)



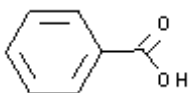
CODE
141014.1211

PACKAGING SIZE
1000 g



CODE
141014.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 122.4 °C (Handbook)

BOILING POINT: 249.2 °C (Handbook)

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141014
PRODUCT NAME:	Benzoic Acid (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 99.5-100.5% Identity according to Pharmacopoeias:: passes test Melting range: 121-123°C Maximum limit of impurities Appearance of solution: passes test Insoluble matter in Cl₃CH: 0.01 % Insoluble matter in C₂H₅OH: passes test Residue on ignition (as SO₄): 0.05 % Sulfate (SO₄): 0.005% Halogenated compounds and halides (as Cl): 0.03 % Residual solvents (Ph.Eur/USP): passes test Oxidisable substances: passes test Darkened substances: passes test Water (H₂O): 0.7 % Fe: 0.001 %
HAZARD PICTOGRAMS	
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS08

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

MASTER NAME:	Benzoic Acid
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SYNONYMS LONG TEXT:	Benzenecarboxylic acid, Phenylformic acid
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EINECS:	200-618-2
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CS:	2916 31 00 90
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Barium Hydroxide 8-hydrate (Reag. Ph. Eur.) for analysis, ISO

Minimum assay (Acidim.): 98.0%

CODE	131188
CAS	12230-71-6
MOLECULAR FORMULA	Ba(OH) ₂ .8H ₂ O
MOLAR MASS	315.48 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE	
CODE 131188.1210	PACKAGING SIZE 500 g	Product active until stock lasts.

Technical data

MELTING POINT:	78 °C
SOLUBILITY:	water 56 g/l at 15 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131188
PRODUCT NAME:	Barium Hydroxide 8-hydrate (Reag. Ph. Eur.) for analysis, ISO
QUALITY NAME:	for analysis, ISO
SPECIFICATIONS:	Minimum assay (Acidim.): 98.0%

Maximum limit of impurities

Insoluble matter in HCl: 0.005 %

Chloride (Cl): 0.001%

Sulfide (S): 0.001 %

Carbonate (as BaCO₃): 2.0%

Heavy metals (as Pb): 0.0005%

Ca: 0.05 %

Cu: 0.0005 %

Fe: 0.001 %

K: 0.005 %

Na: 0.01 %

Ni: 0.0005 %

Pb: 0.0005 %

Sr: 1.5 %

HAZARD PICTOGRAMS



UN:	1564
CLASS/PG:	6.1/II
ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H332 H315 H319
P PHRASES:	P261

P280
P301+P312
P304+P340
P305+P351+P338
P501

MASTER NAME:	Barium Hydroxide 8-hydrate
EINECS:	241-234-5
CS:	2816 40 00 10
INDEX NR.:	056-002-00-7

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

Ammonium Hydroxide

Assay (Acidim.): 27.0-30.0 %*

CODE 141130

CAS 1336-21-6

MOLECULAR FORMULA NH₃

MOLAR MASS 17.03 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
141130.1611	1000 ml



CODE	PACKAGING SIZE
141130.1612	2.5 l



CODE	PACKAGING SIZE
141130.1214	5 l



CODE	PACKAGING SIZE
141130.0719	200 l

Product active until stock lasts.

① Technical data

DENSITY: 0.897 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141130

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

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

HAZARD PICTOGRAMS



UN: 2672

CLASS/PG: 8/III

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

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

CS: 2814 20 00 00

INDEX NR.: 007-001-01-2

Ammonia 30% (as NH₃) (Reag. USP) for analysis, ACS

Ammonium Hydroxide

Assay (Acidim.): 28.0-30.0 %*

CODE 131130

CAS 1336-21-6

MOLECULAR FORMULA NH₃

MOLAR MASS 17.03 g/mol

Packs sizes (4)



CODE
131130.1611

PACKAGING SIZE
1000 ml



CODE
131130.1612

PACKAGING SIZE
2.5 l



CODE
131130.0716

PACKAGING SIZE
25 l



CODE
131130.0719

PACKAGING SIZE
200 l

① Technical data

DENSITY: 0.897 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131130

PRODUCT NAME: Ammonia 30% (as NH₃) (Reag. USP) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Assay (Acidim.): 28.0-30.0 %*
Density 20/4: 0.892-0.898*

Maximum limit of impurities

APHA colour: 10

Non-volatile matter: 0.002 %

Reducing substance to KMnO₄ (as O): 0.0008 %

Residue on ignition: 0.002 %

Chloride (Cl): 0.00005%

Sulfur compounds (as SO₄): 0.0002 %

Phosphate (PO₄): 0.0001 %

Sulfide (S): 0.00001 %

Carbonate (as CO₂): 0.002%

Nitrate (NO₃): 0.0002%

Pyridine and homologues: 0.0002%

As: 0.000005 %

Heavy metals (as Pb): 0.00005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02

Al: 0.1

Au: 0.1

B: 0.5

Ba: 0.1

Be: 0.1

Bi: 0.05

Ca: 1

Cd: 0.1

Co: 0.1

Cr: 0.05

Cu: 0.1

Fe: 0.1

Ga: 0.05
Ge: 0.02
Hg: 0.1
In: 0.05
K: 1
Li: 0.02
Mg: 0.5
Mn: 0.1
Mo: 0.02
Na: 2
Ni: 0.05
Pb: 0.05
Pt: 0.1
Sb: 0.02
Si: 0.2
Sn: 0.05
Sr: 1
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.05

* At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN: 2672

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 2

STORAGE: Storage below 20°C

SIGNAL WORD: Danger

GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H400 H335
P PHRASES:	P260 P261 P264 P271 P273 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P363 P391 P403+P233 P405

MASTER NAME:	Ammonia 30% *(as NH3)
SYNONYMS LONG TEXT:	Ammonium Hydroxide
EINECS:	215-647-6
CS:	2814 20 00 00
INDEX NR.:	007-001-01-2

Boric Acid solution 3 % for volumetric analysis

Assay (acidimetr.): 2.95 - 3.05 %

CODE	282928
CAS	10043-35-3
MOLECULAR FORMULA	H_3BO_3
MOLAR MASS	61.83 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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282928.1211	1000 ml
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Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:	Liquid
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PRODUCT CODE:	282928
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PRODUCT NAME:	Boric Acid solution 3 % for volumetric analysis
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SPECIFICATIONS:	Assay (acidimetr.): 2.95 - 3.05 %
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HAZARD PICTOGRAMS



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

EINECS:	233-139-2
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CS:	28100090
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INDEX NR.:	005-007-00-2
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Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade

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

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

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 141015.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141015.0914	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141015.0416	PACKAGING SIZE 25 kg

Technical data

SOLUBILITY: 50 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 141015

PRODUCT NAME:	Boric Acid (USP-NF, BP, Ph. Eur.) pure, pharma grade
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.5 - 100.5 % Assay (titr.): 99.0 - 100.5 % Appearance of solution: passes test Identity: passes test Solubility (EtOH 96 %): passes test pH (3.3 %; H₂O): 3.8 - 4.8 Loss on drying: max. 0.5 % Residue on ignition (CH₃OH + HCl): max. 0.1 % Residual solvents (Ph. Eur./USP): passes test Organic substances: passes test Sulfate: max. 0.045 % Chloride: max. 0.002 % Phosphate: max. 0.002 % As: max. 0.0005 % Fe: max. 0.001 % Pb: max. 0.001 % Cu: max. 0.001 % Mg: max. 0.005 % Ni: max. 0.001 % Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Tl): max. 0.8 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm Class 3 (Mo): max. 25 ppm

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

HAZARD PICTOGRAMS



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

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

Boric Acid solution 2 % for volumetric analysis

CODE

287096

CAS

10043-35-3

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
287096.1214

PACKAGING SIZE
5 L



CODE
287096.0716

PACKAGING SIZE
25 L

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

287096

PRODUCT NAME:

Boric Acid solution 2 % for volumetric analysis

SPECIFICATIONS:

Composition:

Boric acid: 20 g/L

HAZARD PICTOGRAMS



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

EINECS:	233-139-2
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CS:	28100090
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Boric Acid solution 1 % for volumetric analysis

Assay (acidimetr.): 0.9 - 1.1 %

CODE

282972

CAS

10043-35-3

MOLECULAR FORMULA

H_3BO_3

MOLAR MASS

61.83 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
282972.1214

PACKAGING SIZE
5 L

① Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 282972

PRODUCT NAME: Boric Acid solution 1 % for volumetric analysis

SPECIFICATIONS: Assay (acidimetr.): 0.9 - 1.1 %

HAZARD PICTOGRAMS



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

EINECS:	233-139-2
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CS:	28100090
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INDEX NR.:	005-007-00-2
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Boric Acid for analysis, ACS, ISO

Assay (titr.): min. 99.8 %

CODE	131015
CAS	10043-35-3
MOLECULAR FORMULA	H ₃ BO ₃
MOLAR MASS	61.83 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 131015.1210	PACKAGING SIZE 500 g
	CODE 131015.1211	PACKAGING SIZE 1000 g
	CODE 131015.1214	PACKAGING SIZE 5 kg

Technical data

SOLUBILITY: 50 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 131015

PRODUCT NAME: Boric Acid for analysis, ACS, ISO

SPECIFICATIONS:

Assay (titr.): min. 99.8 %

Insoluble matter in H₂O: max. 0.005 %

Residue on ignition (as SO₄) (CH₃OH + HCl): max.
0.05 %

Heavy metals (as Pb): max. 0.0005 %

Insoluble matter in CH₃OH: max. 0.005 %

Chloride: max. 0.0005 %

Phosphate: max. 0.0005 %

Sulfate: max. 0.002 %

As: max. 0.00005 %

Ca: max. 0.002 %

Fe: max. 0.0001 %

K: max. 0.005 %

Pb: max. 0.0005 %

Ag: max. 0.0005 %

Al: max. 0.0005 %

Au: max. 0.0005 %

Be: max. 0.0005 %

Bi: max. 0.0005 %

Cd: max. 0.0005 %

Co: max. 0.0005 %

Cr: max. 0.0005 %

Cu: max. 0.0005 %

Ga: max. 0.0005 %

Ge: max. 0.0005 %

Ba: max. 0.0005 %

In: max. 0.0005 %

Mg: max. 0.0005 %

Mn: max. 0.0005 %

Mo: max. 0.0005 %

Ni: max. 0.0005 %

Pt: max. 0.0005 %

Sb: 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 %

Zn: max. 0.0005 %

Zr: max. 0.0005 %

Li: max. 0.0005 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08
H PHRASES:	H360FD
P PHRASES:	P201 P202 P280 P308+P313 P405 P501
EINECS:	233-139-2
CS:	28100090
INDEX NR.:	005-007-00-2

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

Slaked lime

Assay (Compl.): 95.0-100.5%

CODE 142400

CAS 1305-62-0

MOLECULAR FORMULA Ca(OH)_2

MOLAR MASS 74.09 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 142400.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 142400.0914	PACKAGING SIZE 5 kg

① Technical data

SOLUBILITY: water 1.7 g/l at 20 °C

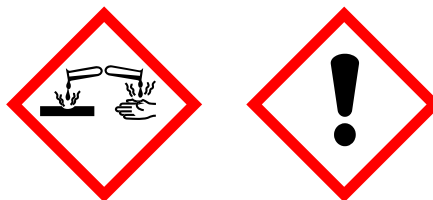
PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 142400

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

QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Compl.): 95.0-100.5% Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Insoluble matter in HCl: 0.5 % Chloride (Cl): 0.033% Sulfate (SO₄): 0.4% Carbonate (as CaCO₃): 5.0% Carbonate (USP): passes test Residual solvents (Ph.Eur/USP): passes test Magnesium and alkali salts: 4.0% Heavy metals (as Pb): 0.002%

HAZARD PICTOGRAMS



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

MASTER NAME: Calcium Hydroxide, powder

SYNONYMS LONG TEXT: Slaked lime

EINECS: 215-137-3

CS: 2825 90 19 00

Calcium Hydroxide, powder (E-526, F.C.C.) food grade

Slaked lime

Assay (as Ca(OH)₂) , not less than: 95.0-100.5%

CODE	202400
CAS	1305-62-0
MOLECULAR FORMULA	Ca(OH) ₂
MOLAR MASS	74.09 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 202400.0416	PACKAGING SIZE 25 kg

i Technical data

SOLUBILITY: water 1.7 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 202400

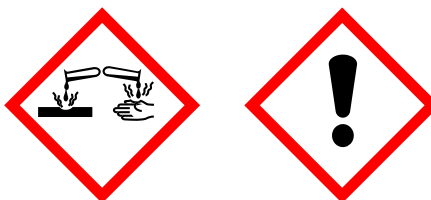
PRODUCT NAME: Calcium Hydroxide, powder (E-526, F.C.C.) food grade

QUALITY NAME: food grade

SPECIFICATIONS: Assay (as Ca(OH)₂) , not less than: 95.0-100.5%
Identity

Alkali: passes test
Calcium: passes test
Appearance: passes test
Carbonate: passes test
Acid-Insoluble substances, not more than: 0.5%
Barium, not more than: 300 ppm
Fluoride, not more than: 0.005%
Magnesium and alkali salts, not more than: 1.0%
Arsenic (as As), not more than: 3 ppm
Lead, not more than: 2 ppm
Specifications Dir. 2009/10/CE, 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:

Danger

GHS SYMBOLS:

GHS05
GHS07

H PHRASES:

H315
H318
H335

P PHRASES:

P264
P280
P302+P352
P321
P332+P313
P501
P362

MASTER NAME:

Calcium Hydroxide, powder

SYNONYMS LONG TEXT:

Slaked lime

EINECS:

215-137-3

CS:

2825 90 19 00

Calcium Hydroxide 2 mol/l (suspension) VINIKIT, for wine analysis

Assay (as Ca(OH)₂) (Compl.): 1.9 - 2.1 mol/L

CODE	625409
CAS	1305-62-0
MOLECULAR FORMULA	Ca(OH) ₂
MOLAR MASS	74.09 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 625409.1209	PACKAGING SIZE 250 ml	Product active until stock lasts.

Technical data

DENSITY:	1.072 kg/l
SOLUBILITY:	Ca(OH) ₂ /l in water at 20°C
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	625409
PRODUCT NAME:	Calcium Hydroxide 2 mol/l (suspension) VINIKIT, for wine analysis
QUALITY NAME:	VINIKIT, for wine analysis
HEADLINE COMMENT:	For determination of alcoholic strength by volume

SPECIFICATIONS:**COMPOSITION:**

Calcium Hydroxide: 14.8 g

Water (s.q.m): 100 ml

Assay (as $\text{Ca}(\text{OH})_2$) (Compl.): 1.9 - 2.1 mol/L

Identity: passes test

WGK:

1

STORAGE:

Room Temperature.

MASTER NAME:

Calcium Hydroxide 2 mol/l *(suspension)

EINECS:

215-137-3

CS:

2825 90 19 00

Cacodylic acid *BioChemica*

Assay (titr.): min. 99 %

CODE

A1497

CAS

75-60-5

MOLECULAR FORMULA

$C_2H_7AsO_2$

MOLAR MASS

138.00 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1497,0250

PACKAGING SIZE
250 g

① Technical data

PRODUCT CODE: A1497

PRODUCT NAME: Cacodylic acid *BioChemica*

SPECIFICATIONS: Assay (titr.): min. 99 %
Monomethylarsinic acid: max. 1 %

HAZARD PICTOGRAMS



UN: 1572

CLASS/PG: 6.1/II

ADR:	6.1/II
IMDG:	6.1/II
IATA:	6.1/II
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS09
H PHRASES:	H301+H331 H410
P PHRASES:	P301+P310 P304+P340 P321
EINECS:	200-883-4
CS:	29319000
INDEX NR.:	033-002-00-5

Boric Acid solution 4% for volumetric analysis

Boracic Acid solution, ortho-Boric Acid solution

Assay (Acidim.): 3.9-4.1 %

CODE

282222

CAS

10043-35-3

MOLECULAR FORMULA

H₃BO₃

MOLAR MASS

61.84 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

282222.1211

1000 ml



CODE

PACKAGING SIZE

282222.1214

5 l

① Technical data

DENSITY: 1.015 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 282222

PRODUCT NAME: Boric Acid solution 4% for volumetric analysis

QUALITY NAME:	for volumetric analysis
HEADLINE COMMENT:	for ammonia titration
SPECIFICATIONS:	Assay (Acidim.): 3.9-4.1 % pH at 20°C: 3.8 - 4.0

HAZARD PICTOGRAMS



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

MASTER NAME:	Boric Acid solution 4%
SYNONYMS LONG TEXT:	Boracic Acid solution, ortho-Boric Acid solution
EINECS:	233-139-2
CS:	2810 00 90 00

Citric Acid 1-hydrate (Reag. USP) for analysis, ACS, ISO

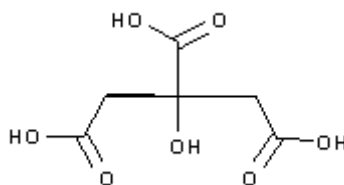
2-Hydroxy-1,2,3-Propanetricarboxilic Acid

Assay (Acidim.): 99.5-102.0%

CODE	131018
CAS	5949-29-1
MOLECULAR FORMULA	C ₆ H ₈ O ₇ .H ₂ O
MOLAR MASS	210.14 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131018.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131018.1211	PACKAGING SIZE 1000 g	
	CODE 131018.1214	PACKAGING SIZE 5 kg	
	CODE 131018.0416	PACKAGING SIZE 25 kg	



① Technical data

MELTING POINT: 135 °C

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131018

PRODUCT NAME: Citric Acid 1-hydrate (Reag. USP) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Assay (Acidim.): 99.5-102.0%
Identity: IR passes test

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.02 %

Chloride (Cl): 0.0005%

Sulfur compounds (as SO₄): 0.002 %

Phosphate (PO₄): 0.001 %

Oxalate (C₂O₄): 0.05%

As: 0.00001%

Heavy metals (as Pb): 0.0005%

Metals by ICP [in mg/Kg (ppm)]

Al: 2

Au: 2

B: 2

Ba: 2

Be: 2

Ca: 20
Cd: 2
Co: 2
Cr: 2
Cu: 0.5
Fe: 3
Ge: 2
In: 2
K: 50
Mg: 5
Mn: 2
Mo: 2
Na: 50
Ni: 2
Pb: 2
Pt: 2
Sb: 2
Si: 10
Sn: 5
Sr: 2
Ti: 2
Tl: 2
V: 2
Zn: 2
Zr: 2

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

H PHRASES:

H319

P PHRASES:

P264

P280

P305+P351+P338

P337+P313

MASTER NAME: Citric Acid 1-hydrate

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

EINECS: 201-069-1

CS: 2918 14 00 00

Citric Acid 1-hydrate (Ph. Eur, BP, USP)

GMP - IPEC grade

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

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

CODE

631018

CAS

5949-29-1

MOLECULAR FORMULA

C₆H₈O₇.H₂O

MOLAR MASS

210.14 g/mol

Packs sizes (1)

CODE

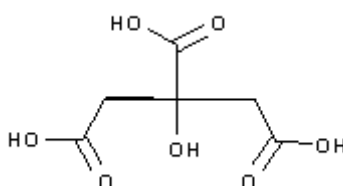
PACKAGING
SIZE



CODE
631018.0416

PACKAGING
SIZE
25 kg

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



Technical data

MELTING POINT:

135 °C

SOLUBILITY:

in water at 20°C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:	631018
PRODUCT NAME:	Citric Acid 1-hydrate (Ph. Eur, BP, USP) GMP - IPEC grade
QUALITY NAME:	GMP - IPEC grade
SPECIFICATIONS:	Assay (Acidim.) (calc. a.a.s): 99.5-100.5% Identity according to Pharmacopoeias: (A Ph. Eur): passes test (B Ph. Eur / USP): IR passes test (C Ph. Eur): passes test (D Ph. Eur): passes test (E Ph. Eur): passes test Maximum limit of impurities Appearance of solution Appearance Clear < formazin I: passes test Appearance Colour: < Y7 : < BY7; or GY7 Residue on ignition (as SO₄): 0.1 % Sulfate (SO₄): 0.0150% Readily carbonisable substances: passes test Residual solvents (Ph.Eur/USP): passes test Oxalic acid (C₂H₂O₄): 0.0360% Water (H₂O): 7.5-9.0 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280

P305+P351+P338
P337+P313

MASTER NAME:	Citric Acid 1-hydrate
SYNONYMS LONG TEXT:	2-Hydroxy-1,2,3-Propanetricarboxilic Acid
EINECS:	201-069-1
CS:	2918 14 00 00

Chlorosulfonic Acid, 98% for synthesis

Chlorosulphuric Acid

Minimum assay (Acidim.): 98%

CODE	15A676
CAS	7790-94-5
MOLECULAR FORMULA	HClO ₃ S
MOLAR MASS	116.52 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
15A676.00122	188 l

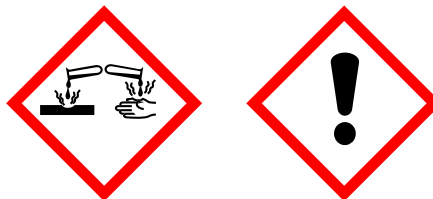
Technical data

MELTING POINT:	-80 °C
BOILING POINT:	151 °C
DENSITY:	1.75 kg/l
SOLUBILITY:	Reacts violently with water and ethanol. Miscible with ether, chloroform or benzene
REFRACTIVE INDEX:	14/D 1.437
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	15A676
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PRODUCT NAME:	Chlorosulfonic Acid, 98% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Acidim.): 98% Density 20/4: 1.749-1.753

HAZARD PICTOGRAMS



UN:	1754
CLASS/PG:	8/I
ADR:	8/I
IMDG:	8/I
IATA:	8/I
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	EUH014 H314 H335
P PHRASES:	P260 P261 P264 P271 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338

P310
P312
P321
P338
P363
P403+P233
P405
P501

MASTER NAME:	Chlorosulphonic Acid
SYNONYMS LONG TEXT:	Chlorosulphuric Acid
EINECS:	232-234-6
CS:	2806 20 00 00
INDEX NR.:	016-017-00-1

Chenodeoxycholic Acid *BioChemica*

Assay (titr.): min. 98 %

CODE

A1690

CAS

474-25-9

MOLECULAR FORMULA

C₂₄H₄₀O₄

MOLAR MASS

392.58 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1690,0005

PACKAGING SIZE
5 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1690

PRODUCT NAME:

Chenodeoxycholic Acid *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 98 %
 $\alpha_{20^{\circ}\text{C/D}}$; 2 %, EtOH: +11° - +13°
Cholic acid (TLC): max. 0.5 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319
P PHRASES:	P264 P280 P305+P351+P338 P332+P313 P337+P313 P362+P364

EINECS:	207-481-8
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CS:	29181998
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Calconcarboxylic Acid (Reag. Ph. Eur.) for analysis

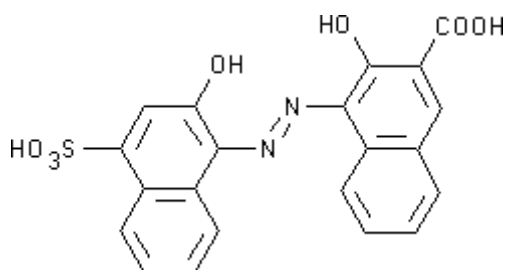
Patton and Reeder reagent

CODE	123575
CAS	3737-95-9
MOLECULAR FORMULA	$C_{21}H_{14}N_2O_7S$
MOLAR MASS	438.42 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 123575.1606	PACKAGING SIZE 25 g



① Technical data

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 123575

PRODUCT NAME: Calconcarboxylic Acid (Reag. Ph. Eur.) for analysis

QUALITY NAME:	for analysis
HEADLINE COMMENT:	for complexometry
SPECIFICATIONS:	Identity: IR passes test A 1% , 1 cm, λ max.: >250 λ of max. ABS in C ₂ H ₅ OH: 569 - 572 nm Suitability: as compl.indicator of Ca: passes test T.L.C.: passes test

Maximum limit of impurities

Loss on drying at 135°C: 6-9 %

WGK:	1
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STORAGE:	Room Temperature.
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MASTER NAME:	Calconcarboxylic Acid
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SYNONYMS LONG TEXT:	Patton and Reeder reagent
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EINECS:	223-117-0
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CS:	2927 00 00 90
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Citric Acid solution 15% w/v pharma grade

Assay (Acidim.) w/v: 14.5 % - 15.5 %

CODE

197012

CAS

77-92-9

Packs sizes (1)



CODE

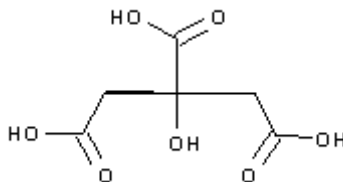
PACKAGING SIZE

CODE

PACKAGING SIZE

197012.0719

200 l



① Technical data

DENSITY: 1.05 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 197012

PRODUCT NAME: Citric Acid solution 15% w/v pharma grade

QUALITY NAME: pharma grade

SPECIFICATIONS:

Assay (Acidim.) w/v: 14.5 % - 15.5 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance and colour: passes test
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): 0.05 %
Sulfate (SO₄): 0.01 %
Residual solvents (Ph.Eur/USP): passes test
Oxalate (C₂O₄): 0.035 %
Heavy metals (as Pb): 0.001 %
This product has been manufactured with Citric Acid anhydrous which passes Ph. Eur., BP and USP specifications.

HAZARD PICTOGRAMS**STORAGE:**

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

H PHRASES:

H319

P PHRASES:

P264
P280
P305+P351+P338
P337+P313

MASTER NAME:

Citric Acid 15%

EINECS:

201-069-1

CS:

2918 14 00 00

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

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

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

CODE 141808

CAS 77-92-9

MOLECULAR FORMULA $C_6H_8O_7$

MOLAR MASS 192.13 g/mol

Packs sizes (3)



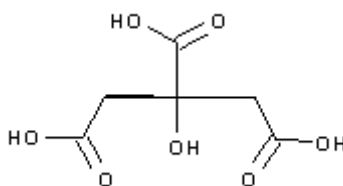
CODE	PACKAGING SIZE
CODE 141808.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 141808.1214	PACKAGING SIZE 5 kg



CODE	PACKAGING SIZE
CODE 141808.0416	PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 153 °C

SOLUBILITY: water 622 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141808

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.01%

Colour of solution: passes test

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

Oxalate (C₂O₄): 0.035%

Water (H₂O): 0.5 %

Heavy metals (as Pb): 0.001%

Ba: passes test

Ca: 0.02 %

Mg: 0.005 %

HAZARD PICTOGRAMS



WGK:

1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

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

MASTER NAME: Citric Acid anhydrous

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

EINECS: 201-069-1

CS: 2918 14 00 00

Citric Acid anhydrous (Reag. USP) for analysis, ACS

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

Minimum assay (Acidim.): 99.5%

CODE 131808

CAS 77-92-9

MOLECULAR FORMULA $C_6H_8O_7$

MOLAR MASS 192.13 g/mol

Packs sizes (3)



CODE PACKAGING SIZE

CODE 131808.1210 PACKAGING SIZE 500 g

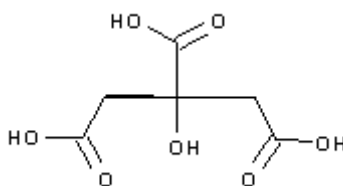
Product active until stock lasts.



CODE 131808.1211 PACKAGING SIZE 1000 g



CODE 131808.0416 PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 153 °C

SOLUBILITY: water 622 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131808

PRODUCT NAME: Citric Acid anhydrous (Reag. USP) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (Acidim.): 99.5%
Identity: IR passes test

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.02 %

Chloride (Cl): 0.001%

Sulfur compounds (as SO₄): 0.002 %

Phosphate (PO₄): 0.001 %

Oxalate (C₂O₄): 0.005%

Water (H₂O): 0.5 %

Heavy metals (as Pb): 0.0005%

As: 0.00001 %

Ba: 0.001 %

Ca: 0.0025 %

Cu: 0.00005 %

Fe: 0.0001 %

Mg: 0.0005 %

Ni: 0.0002 %

Pb: 0.0002 %

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:	Citric Acid anhydrous
SYNONYMS LONG TEXT:	2-Hydroxy-1,2,3-Propanetricarboxylic acid
EINECS:	201-069-1
CS:	2918 14 00 00

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

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

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

CODE

141018

CAS

5949-29-1

MOLECULAR FORMULA

C₆H₈O₇.H₂O

MOLAR MASS

210.14 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141018.1211

1000 g



CODE

PACKAGING SIZE

141018.1214

5 kg

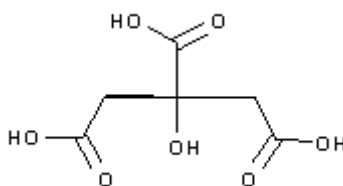


CODE

PACKAGING SIZE

141018.0416

25 kg



① Technical data

MELTING POINT: 135 °C

SOLUBILITY: in water at 20°C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141018

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.01%

Colour of solution: passes test

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

Oxalate (C₂O₄): 0.035%

Water (H₂O): 7.5-8.8 %

Heavy metals (as Pb): 0.0010 %

Ba: passes test

Ca: 0,02 %

Mg: 0,005 %

HAZARD PICTOGRAMS



WGK:

1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

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

MASTER NAME: Citric Acid 1-hydrate

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

EINECS: 201-069-1

CS: 2918 14 00 00

Citric Acid 1-hydrate technical grade

Assay (titr.): approx. 97 %

CODE

211018

CAS

5949-29-1

MOLECULAR FORMULA

$C_6H_8O_7 \cdot H_2O$

MOLAR MASS

210.14 g/mol

Packs sizes (2)



CODE

CODE
211018.1214

PACKAGING SIZE

PACKAGING SIZE
5 kg

Product active until stock lasts.



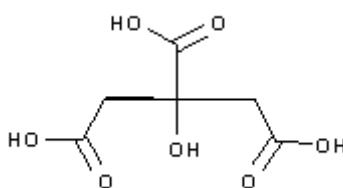
CODE

211018.0415

PACKAGING SIZE

10 kg

Product active until stock lasts.



① Technical data

SOLUBILITY: 1630 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 211018

PRODUCT NAME: Citric Acid 1-hydrate technical grade

SPECIFICATIONS: Assay (titr.): approx. 97 %

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: 201-069-1

CS: 29181400

EDTA solution pH 8.0 (0.5 M) for molecular biology

CODE

A4892

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A4892,0100

100 ml



CODE

PACKAGING SIZE

A4892,0500

500 ml



CODE

PACKAGING SIZE

A4892,1000

1 L

Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A4892

PRODUCT NAME:

EDTA solution pH 8.0 (0.5 M) for molecular biology

SHORT DESCRIPTION:

additional product description: filtered, autoclaved, sterile

SPECIFICATIONS:

DNases/RNases/Proteases: not detectable
pH (20°C): 8.0 ± 0.1
Composition:

EDTA- $\text{Na}_2 \cdot 2\text{H}_2\text{O}$: 186.12 g/L
NaOH (10 M): approx. 50 ml/L

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS08
H PHRASES:	H373
P PHRASES:	P260 P314 P501

EINECS:	205-358-3
CS:	38221900

EDTA solution pH 8.0 (0.5 M)

CODE

A3145

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A3145,1000

PACKAGING SIZE
1 L

Technical data

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	A3145
PRODUCT NAME:	EDTA solution pH 8.0 (0.5 M)
SHORT DESCRIPTION:	additional product description: filtered, autoclaved, sterile
SPECIFICATIONS:	pH (20°C): 8.0 ± 0.1 Composition: EDTA-$\text{Na}_2 \cdot 2\text{H}_2\text{O}$: 186.1 g/L NaOH (10 M): approx. 50 ml/L

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	RT

SIGNAL WORD: Attention

GHS SYMBOLS: GHS08

H PHRASES: H373

P PHRASES: P260
P314
P501

EINECS: 205-358-3

CS: 38221900

DL- α -Lipoic Acid *BioChemica*

Assay (titr.): min. 98 %

CODE

A4065

CAS

1077-28-7

MOLECULAR FORMULA

C₈H₁₄O₂S₂

MOLAR MASS

206.33 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A4065,0005

PACKAGING SIZE
5 g



CODE
A4065,0250

PACKAGING SIZE
250 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A4065

PRODUCT NAME:

DL- α -Lipoic Acid *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 98 %

Melting point: 60 - 62°C

Heavy metals (as Pb): max. 0.005 %

Sulfated ash: max. 0.1 %

Loss on drying: max. 0.5 %

HAZARD PICTOGRAMS



WGK:	nwg
STORAGE:	2 - 8°C
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H319
P PHRASES:	P264 P280 P305+P351+P338 P332+P313 P337+P313 P362+P364
EINECS:	200-534-6
CS:	29349990

Coenzyme A free acid *BioChemica*

Assay (enzym.): min. 75 %

CODE	A0812
CAS	85-61-0
MOLECULAR FORMULA	$C_{21}H_{36}N_7O_{16}P_3S$
MOLAR MASS	767.54 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A0812,0025	PACKAGING SIZE 25 mg

Technical data

PHYSICAL DESCRIPTION:	Solid
PRODUCT CODE:	A0812
PRODUCT NAME:	Coenzyme A free acid <i>BioChemica</i>
SHORT DESCRIPTION:	additional product description: lyophilized
SPECIFICATIONS:	Assay (enzym.): min. 75 %
WGK:	1
STORAGE:	-20°C
SHIPMENT:	wet ice

EINECS: 201-619-0

CS: 29349990

Citric Acid solution 50 % technical grade

CODE

217062

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

217062.1214

PACKAGING SIZE

5 L

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

217062

PRODUCT NAME:

Citric Acid solution 50 % technical grade

SHORT DESCRIPTION:

additional product description: Decalcifying Solution

SPECIFICATIONS:

Composition:

Citric Acid 1-hydrate: 500 g/L

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

RT

SIGNAL WORD:

Attention

GHS SYMBOLS:

GHS07

H PHRASES:

H319

P PHRASES:

P264

P280

P305+P351+P338

P337+P313

CS:

38221900

EGTA for molecular biology

Assay (titr.): min. 99 %

CODE	A0878
CAS	67-42-5
MOLECULAR FORMULA	$C_{14}H_{24}N_2O_{10}$
MOLAR MASS	380.35 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE A0878,0025	PACKAGING SIZE 25 g
	CODE A0878,0100	PACKAGING SIZE 100 g
	CODE A0878,1000	PACKAGING SIZE 1 kg

Technical data

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A0878

PRODUCT NAME: EGTA for molecular biology

SPECIFICATIONS: DNases/RNases/Proteases: not detectable

Assay (titr.): min. 99 %
Residue on ignition: max. 0.1 %
Heavy metals (as Pb): max. 0.001 %
Water: max. 1.0 %
Fe: max. 0.001 %

WGK: 1

STORAGE: RT

EINECS: 200-651-2

CS: 29225000

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

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

Assay (Compl.): 99.0-100.5 %

CODE 141026

CAS 60-00-4

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

MOLAR MASS 292.24 g/mol

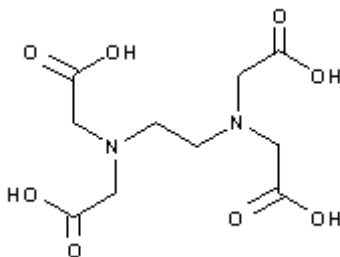
Packs sizes (2)



CODE	PACKAGING SIZE
141026.1211	1000 g



CODE	PACKAGING SIZE
141026.0914	5 kg



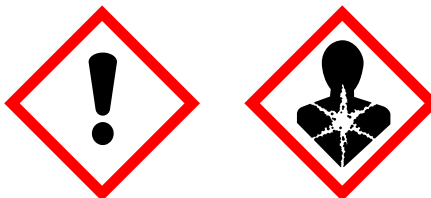
 Technical data

MELTING POINT:	220 °C
SOLUBILITY:	water 0.5 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141026
PRODUCT NAME:	EDTA (USP-NF, BP, Ph. Eur) pharma grade, BioChemica
QUALITY NAME:	pharma grade, BioChemica
SPECIFICATIONS:	Assay (Compl.): 99.0-100.5 % Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
 Residue on ignition (as SO₄): 0.2 %
 Chloride (Cl): 0.02%
 Residual solvents (Ph.Eur/USP): passes test
 Absorbance UV (1 cm cell)
 ABS at 280 nm 0,1 M sol in 1 M NaOH: 0.3
 ABS at 260 nm 0,1 M sol in 1 M NaOH: 1.5
 Nitrilotriacetic Acid [(CH₂COOH)₃N]: 0.1%
 Water (H₂O): 0.25 %
 Heavy metals (as Pb): 0.001%
 Fe: 0,001 %

HAZARD PICTOGRAMS



WGK:	2
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07

GHS08

H PHRASES:

H319

H332

H373

P PHRASES:

P264

P280

P305+P351+P338

P337+P313

MASTER NAME:

Ethylenediaminetetraacetic Acid

SYNONYMS LONG TEXT:

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

EINECS:

200-449-4

CS:

2922 49 85 90

EDTA (Reag. USP) for analysis, ACS

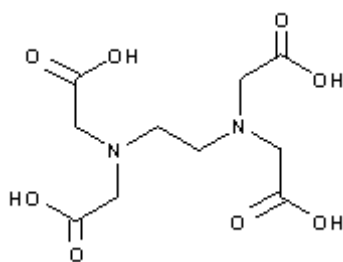
Edetic Acid, EDTA, Ethylenedinitriletetraacetic Acid, N,N'-1,2-EthanediyI-bis[N-(Carboxymethyl) Glycine], Titriplex II

Assay (Compl.): 99.4-100.6%

CODE	131026
CAS	60-00-4
MOLECULAR FORMULA	C ₁₀ H ₁₆ N ₂ O ₈
MOLAR MASS	292.24 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131026.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 131026.1211	PACKAGING SIZE 1000 g	Product active until stock lasts.
	CODE 131026.0914	PACKAGING SIZE 5 kg	Product discontinued. Alternative 141026.0914 (please check specifications).
	CODE 131026.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 141026.0914 (please check specifications).



i Technical data

MELTING POINT: 220 °C

SOLUBILITY: water 0.5 g/l at 25 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131026

PRODUCT NAME: EDTA (Reag. USP) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Assay (Compl.): 99.4-100.6%
Identity: IR passes test

Maximum limit of impurities

Insoluble matter in NH₄OH: 0.005 %

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.005%

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

Heavy metals (as Pb): 0.001%

Ca: 0.001 %

Cu: 0.001 %

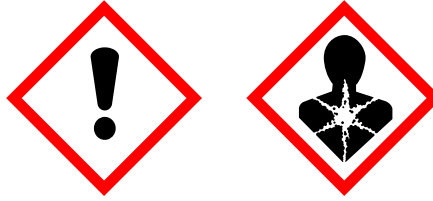
Fe: 0.001 %

Mg: 0.0005 %

Ni: 0.001 %

Pb: 0.001 %

HAZARD PICTOGRAMS



WGK: 2

STORAGE: Storage away from direct light.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07
GHS08

H PHRASES: H319
H332
H373

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

MASTER NAME: Ethylenediaminetetraacetic Acid

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

EINECS: 200-449-4

CS: 2922 49 85 90

EDTA for molecular biology

Assay (titr.): min. 99 %

CODE

A5097

CAS

60-00-4

MOLECULAR FORMULA

C₁₀H₁₆N₂O₈

MOLAR MASS

292.25 g/mol

Packs sizes (1)

CODE

PACKAGING SIZE



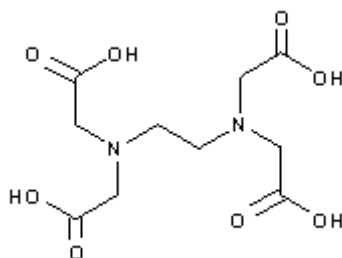
CODE

A5097,0500

PACKAGING SIZE

500 g

Product active until stock lasts.



Technical data

SOLUBILITY:

0.5 g/L (H₂O)

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

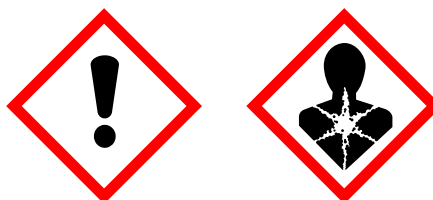
A5097

PRODUCT NAME:

EDTA for molecular biology

SPECIFICATIONS:

DNases/RNases/Proteases: not detectable
Assay (titr.): min. 99 %
Appearance: white to off-white powder
pH (1 %; H₂O ; 20°C): approx. 2.5
Water (K.F.): max. 0.25 %
Fe: max. 0.001 %
Pb: max. 0.001 %

HAZARD PICTOGRAMS**WGK:**

2

STORAGE:

RT

SIGNAL WORD:

Attention

GHS SYMBOLS:

GHS07
GHS08

H PHRASES:

H319
H332
H373

P PHRASES:

P260
P280
P304+P340
P305+P351+P338
P312
P501

EINECS:

200-449-4

CS:

29224985

INDEX NR.:607-429-00-8

EDTA *BioChemica*

Assay (titr.): min. 99 %

CODE

A1103

CAS

60-00-4

MOLECULAR FORMULA

$C_{10}H_{16}N_2O_8$

MOLAR MASS

292.25 g/mol

Packs sizes (1)



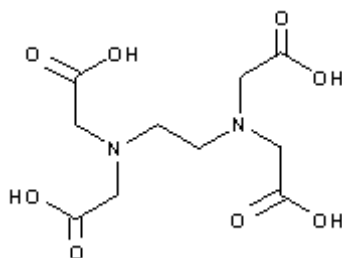
CODE

PACKAGING SIZE

CODE
A1103,1000

PACKAGING SIZE
1 kg

Product active until stock lasts.



① Technical data

SOLUBILITY:

0.5 g/L (H₂O)

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

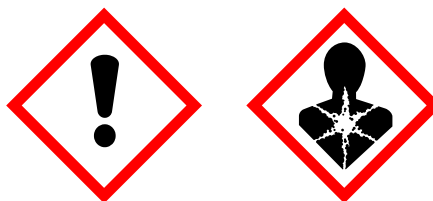
A1103

PRODUCT NAME:

EDTA *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 99 %
pH (1 %; H₂O; 25°C): approx. 2.5
Heavy metals (as Pb): max. 0.001 %
Insol. matter (0.1 M; 1 M NaOH): passes test
Water: max. 0.25 %
Fe: max. 0.001 %
A (1 cm/0.1 M in 1 M NaOH)
260 nm: max. 1.5
280 nm: max. 0.3

HAZARD PICTOGRAMS**WGK:**

2

STORAGE:

RT

SIGNAL WORD:

Attention

GHS SYMBOLS:

GHS07
GHS08

H PHRASES:

H319
H332
H373

P PHRASES:

P260
P280
P304+P340
P305+P351+P338
P312
P501

EINECS:

200-449-4

CS:

29224985

INDEX NR.:607-429-00-8

Formic Acid 98% pure

Assay (Acidim.): 98%

CODE

141030

CAS

64-18-6

MOLAR MASS

46.03 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

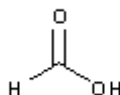
CODE

141030.1611

PACKAGING SIZE

1000 ml

Product active until stock lasts.



① Technical data

MELTING POINT:	8.4 °C
BOILING POINT:	100.5 °C
DENSITY:	1.22 kg/l
REFRACTIVE INDEX:	20/D 1.3714
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE: 141030

PRODUCT NAME: Formic Acid 98% pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98% Non-volatile matter: 0.01 % Chloride (Cl): 0.001% Ammonium (NH ₄): 0.01% Sulfate (SO ₄): 0.005% Acetic Acid (CH ₃ COOH): 0.1 % Cu: 0.001 % Fe: 0.001 % Ni: 0.001 % Pb: 0.001 %

HAZARD PICTOGRAMS



UN:	1779
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS02 GHS06
H PHRASES:	H314 H226 H331 H302 EUH071

P PHRASES:	P260
	P264
	P280
	P301+P330+P331
	P303+P361+P353
	P501
	P304+P340
	P305+P351+P338
	P310
	P321
	P338
	P363
	P405
	P210
	P233
	P240
	P241
	P242
	P243
	P403+P235
	P370+P378
	P261
	P271
	P270
	P301+P312
	P311
	P330

MASTER NAME:	Formic Acid 98%
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EINECS:	200-579-1
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CS:	2915 11 00 00
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INDEX NR.:	607-001-00-0
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Formic Acid 98% for analysis, ACS

Minimum assay (Acidim.): 98.0%

CODE

131030

CAS

64-18-6

MOLAR MASS

46.03 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

131030.1611

1000 ml



CODE

PACKAGING SIZE

131030.1612

2.5 l

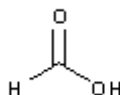


CODE

PACKAGING SIZE

131030.0716

25 l



① Technical data

MELTING POINT:

8.4 °C

BOILING POINT:

100.5 °C

DENSITY:

1.22 kg/l

REFRACTIVE INDEX: 20/D 1.3714

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131030

PRODUCT NAME: Formic Acid 98% for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (Acidim.): 98.0%

Maximum limit of impurities

APHA colour: 15

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.003 %

Chloride (Cl): 0.0005%

Ammonium (NH₄): 0.005%

Sulfate (SO₄): 0.0005%

Sulfite (SO₃): 0.001%

Acetic Acid (CH₃COOH): 0.05%

Heavy metals (as Pb): 0.001%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02

Al: 0.1

Au: 0.1

B: 0.05

Ba: 0.05

Be: 0.02

Bi: 0.05

Ca: 0.5

Cd: 0.05

Co: 0.02

Cr: 0.02

Cu: 0.02

Fe: 0.3

Ga: 0.05

Ge: 0.02

Hg: 0.1

In: 0.05

K: 0.1

Li: 0.02

Mg: 0.1

Mn: 0.05
Mo: 0.02
Na: 1
Ni: 0.05
Pb: 0.02
Pt: 0.1
Sb: 0.02
Si: 0.1
Sn: 0.05
Sr: 0.02
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.08
Zr: 0.05

HAZARD PICTOGRAMS



UN: 1779

CLASS/PG: 8(3)/II

ADR: 8(3)/II

IMDG: 8(3)/II

IATA: 8(3)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS02
GHS06

H PHRASES: H314
H226
H331

	H302
	EUH071
P PHRASES:	P260
	P264
	P280
	P301+P330+P331
	P303+P361+P353
	P501
	P304+P340
	P305+P351+P338
	P310
	P321
	P338
	P363
	P405
	P210
	P233
	P240
	P241
	P242
	P243
	P403+P235
	P370+P378
	P261
	P271
	P270
	P301+P312
	P311
	P330

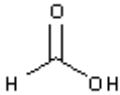
MASTER NAME:	Formic Acid 98%
EINECS:	200-579-1
CS:	2915 11 00 00
INDEX NR.:	607-001-00-0

Formic Acid 85% pure

Assay (Acidim.): 85%

CODE	141029
CAS	64-18-6
MOLAR MASS	46.03 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 141029.1214	PACKAGING SIZE 5 l	Product active until stock lasts.
			

Technical data

DENSITY: 1.20 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141029

PRODUCT NAME: Formic Acid 85% pure

QUALITY NAME: pure

SPECIFICATIONS: Assay (Acidim.): 85%
Non-volatile matter: 0.01 %
Chloride (Cl): 0.002%
Ammonium (NH4): 0.01%

Sulfate (SO4): 0.005%

Cu: 0.001 %

Fe: 0.001 %

Ni: 0.001 %

Pb: 0.001 %

HAZARD PICTOGRAMS



UN: 1779

CLASS/PG: 8(3)/II

ADR: 8(3)/II

IMDG: 8(3)/II

IATA: 8(3)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS06

H PHRASES: H314
H302
H331
EUH071

P PHRASES: P260
P264
P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310

P321
P338
P363
P405

MASTER NAME:	Formic Acid 85%
EINECS:	200-579-1
CS:	2915 11 00 00
INDEX NR.:	607-001-00-0

Formic Acid 85% for analysis

Minimum assay (Acidim.): 85.0%

CODE

121029

CAS

64-18-6

MOLAR MASS

46.03 g/mol

Packs sizes (3)



CODE

CODE

121029.1611

PACKAGING
SIZE

PACKAGING
SIZE
1000 ml



CODE

121029.1612

PACKAGING
SIZE
2.5 l

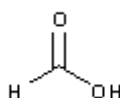
Product discontinued. Alternative
121029.1611 (please check specifications).



CODE

121029.1214

PACKAGING
SIZE
5 l



Technical data

DENSITY:

1.20 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE: 121029

PRODUCT NAME: Formic Acid 85% for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay (Acidim.): 85.0%

Maximum limit of impurities

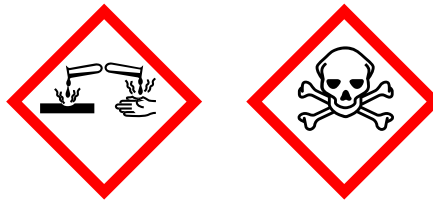
APHA colour: 15
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.002 %
Chloride (Cl): 0.001%
Ammonium (NH₄): 0.005%
Sulfate (SO₄): 0.002%
Sulfite (SO₃): 0.001 %
Acetic Acid (CH₃COOH): 0.4%
Heavy metals (as Pb): 0.0005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02
Al: 0.05
Au: 0.1
B: 0.05
Ba: 0.05
Be: 0.02
Bi: 0.05
Ca: 0.5
Cd: 0.05
Co: 0.02
Cr: 0.02
Cu: 0.02
Fe: 0.3
Ga: 0.05
Ge: 0.02
Hg: 0.1
In: 0.05
K: 0.1
Li: 0.02
Mg: 0.5
Mn: 0.05
Mo: 0.02
Na: 1
Ni: 0.05

Pb: 0.02
Pt: 0.1
Sb: 0.02
Si: 0.1
Sn: 0.05
Sr: 0.02
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.08
Zr: 0.05

HAZARD PICTOGRAMS



UN: 1779

CLASS/PG: 8(3)/II

ADR: 8(3)/II

IMDG: 8(3)/II

IATA: 8(3)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS06

H PHRASES: H314
H302
H331
EUH071

P PHRASES: P260
P264
P280
P301+P330+P331

P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Formic Acid 85%
EINECS:	200-579-1
CS:	2915 11 00 00
INDEX NR.:	607-001-00-0

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

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

CODE

A7092

CAS

59-30-3

MOLECULAR FORMULA

C₁₉H₁₉N₇O₆

MOLAR MASS

441.41 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A7092,0025

PACKAGING SIZE
25 g



CODE
A7092,0100

PACKAGING SIZE
100 g



CODE
A7092,5000

PACKAGING SIZE
5 kg

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A7092

PRODUCT NAME:

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

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

Aminoacetic Acid, Glycocoll

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

CODE 141340

CAS 56-40-6

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

MOLAR MASS 75.07 g/mol

Packs sizes (3)



CODE
141340.1211

PACKAGING SIZE
1000 g



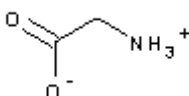
CODE
141340.0914

PACKAGING SIZE
5 kg



CODE
141340.0416

PACKAGING SIZE
25 kg



 Technical data

MELTING POINT: 232 °C

SOLUBILITY: water 250 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141340

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance of solution: passes test

Loss on drying at 105°C: 0.2%

Residue on ignition (as SO₄): 0.1 %

Chloride (Cl): 0.007%

Ammonium (NH₄): 0.02 %

Sulfate (SO₄): 0.0065%

Hydrolizable substances: passes test

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

Related Substances (HPLC)

Glycine anhydride: 0.10 %

Diglycine: 0.10 %

Triglycine: 0.10 %

Every not specified impurity: 0.10 %

Total impurities: 0.2 %

Ninhydrin positive substances

Individual: 0.10 %

Total: 1.0 %

Monochloroacetic acid: 0.10 %

Iminodiacetic acid: 0.10 %

Hexamethylenetetramine: 0.10 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME:

Glycine

SYNONYMS LONG TEXT:

Aminoacetic Acid, Glycocol

EINECS:

200-272-2

CS:

2922 49 85 45

Glycine for molecular biology

Assay (titr.): min. 99.5 %

CODE

A1067

CAS

56-40-6

MOLECULAR FORMULA

H₂NCH₂COOH

MOLAR MASS

75.07 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

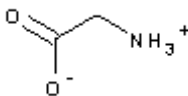
CODE
A1067,1000

PACKAGING SIZE
1 kg



CODE
A1067,5000

PACKAGING SIZE
5 kg



Technical data

SOLUBILITY: 225 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1067

PRODUCT NAME: Glycine for molecular biology

HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
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SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (titr.): min. 99.5 % pH (5 %; H ₂ O): 5.9 - 6.4 Loss on drying: max. 0.1 % Heavy metals (as Pb): max. 0.001 % Other amino acids: max. 0.1 % Ammonium: max. 0.02 % Chloride: max. 0.004 % Sulfate: max. 0.005 % Fe: max. 0.0005 %
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WGK:	1
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STORAGE:	RT
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EINECS:	200-272-2
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CS:	29224985
-----	----------

Glycine (Reag. USP) for analysis, ACS

Aminoacetic Acid, Glycocoll

Minimum assay (Perchl. Ac.): 99.0%

CODE 131340

CAS 56-40-6

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

MOLAR MASS 75.07 g/mol

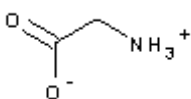
Packs sizes (2)



CODE	PACKAGING SIZE
131340.1211	1000 g



CODE	PACKAGING SIZE
131340.0914	5 kg



① Technical data

MELTING POINT: 232 °C

SOLUBILITY: water 250 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131340

PRODUCT NAME: Glycine (Reag. USP) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (Perchl. Ac.): 99.0%
Assay (as N2) (Kjeldahl) (calc. a.d.s.): 18.4-18.8%
Identity: IR passes test
pH of 5% solution: 5.9-6.3
T.L.C.: passes test

Maximum limit of impurities

Insoluble matter in H2O: 0.005 %
Darkened substances by H2SO4: passes test
Loss on drying at 105°C: 0.2%
Residue on ignition (as SO4): 0.05 %
Chloride (Cl): 0.005%
Ammonium (NH4): 0.005%
Sulfate (SO4): 0.005%
Hydrolizable substances: passes test
Heavy metals (as Pb): 0.001%
As: 0,0001 %
Cu: 0,0005 %
Fe: 0,0005 %
Ni: 0,0005 %
Pb: 0,0005 %

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: Glycine

SYNONYMS LONG TEXT: Aminoacetic Acid, Glycocoll

EINECS: 200-272-2

CS: 2922 49 85 45

Glutathionesulfonic acid *BioChemica*

Assay (TLC): min. 98 %

CODE

A7716

CAS

3773-07-7

MOLECULAR FORMULA

C₁₀H₁₇N₃O₉S

MOLAR MASS

355.32 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A7716,9001

PACKAGING SIZE
1 g

① Technical data

PRODUCT CODE: A7716

PRODUCT NAME: Glutathionesulfonic acid *BioChemica*

SPECIFICATIONS: Assay (TLC): min. 98 %
Solubility (50 mg/ml; H₂O): clear, colorless
¹H-NMR, ¹³C-NMR spectrum: passes test

WGK: 1

STORAGE: 2 - 8°C

CS: 29241900

Fumaric Acid (USP-NF) pure, pharma grade

Butenedioic Acid, trans-1,2-Ethylenedicarboxylic Acid

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

CODE

142344

CAS

110-17-8

MOLAR MASS

116.07 g/mol

Packs sizes (1)



CODE

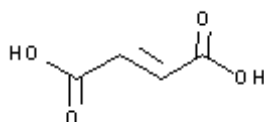
PACKAGING SIZE

CODE

142344.0416

PACKAGING SIZE

25 kg



① Technical data

MELTING POINT:

300 °C

SOLUBILITY:

water 6.3 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

142344

PRODUCT NAME:

Fumaric Acid (USP-NF) pure, pharma grade

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

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

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

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

MASTER NAME: Fumaric Acid

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

EINECS: 203-743-0

CS: 2917 19 80 90

INDEX NR.: 607-146-00-X

Hydrochloric Acid 0.02 mol/l (0.02N) volumetric solution

Muriatic Acid

CODE	183458
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 183458.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.000 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 183458

PRODUCT NAME: Hydrochloric Acid 0.02 mol/l (0.02N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 1.000 ±0.001

UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
STORAGE:	Room Temperature.

MASTER NAME:	Hydrochloric Acid 0,02 mol/l *(0,02N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 0.01 mol/l (0.01N) volumetric solution

Muriatic Acid

CODE	182884
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182884.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.000 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182884

PRODUCT NAME: Hydrochloric Acid 0.01 mol/l (0.01N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate

HAZARD PICTOGRAMS



WGK:

nwg

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS05

H PHRASES:

H290

P PHRASES:

P234

P390

P406

MASTER NAME:

Hydrochloric Acid 0,01 mol/l *(0,01N)

SYNONYMS LONG TEXT:

Muriatic Acid

EINECS:

231-595-7

CS:

2806 10 00 00

Hydrobromic Acid 48% (Reag. USP) for analysis, ACS, ISO

Assay (Acidim.): 47.0-49.0 %

CODE	131017
CAS	10035-10-6
MOLECULAR FORMULA	HBr
MOLAR MASS	80.92 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
131017.1611	1000 ml

Product active until stock lasts.

Technical data

BOILING POINT:	126 °C
DENSITY:	1.49 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	131017
PRODUCT NAME:	Hydrobromic Acid 48% (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Acidim.): 47.0-49.0 % Density 20/4: ≥ 1.49

Maximum limit of impurities

Residue on ignition (as SO₄): 0.002 %

Chloride (Cl): 0.03%

Phosphate (PO₄): 0.0005 %

Iodide (I): 0.002%

Sulfate and sulfite (as SO₄): 0.003 %

Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.01

Al: 0.1

As: 0.5

Au: 0.1

B: 0.1

Ba: 0.1

Be: 0.02

Bi: 0.05

Ca: 0.5

Cd: 0.05

Co: 0.02

Cr: 0.1

Cu: 0.02

Fe: 0.1

Ga: 0.05

Ge: 0.02

Hg: 0.1

In: 0.05

K: 0.5

Li: 0.02

Mg: 0.1

Mn: 0.05

Mo: 0.02

Ni: 0.02

Pb: 0.02

Pt: 0.1

Sb: 0.02

Se: 0.01

Si: 0.1

Sn: 0.05

Sr: 0.02

Ti: 0.05

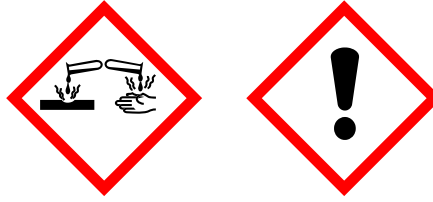
Tl: 0.02

V: 0.02

Zn: 0.1

Zr: 0.05

HAZARD PICTOGRAMS



UN: 1788

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 3

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS07

H PHRASES: H314
H335
H318

P PHRASES: P260
P261
P264
P271
P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P312
P321
P338
P363

P403+P233

P405

P501

MASTER NAME: Hydrobromic Acid 48%

EINECS: 233-113-0

CS: 2811 19 10 00

INDEX NR.: 035-002-01-8

Hexachloroplatinic(IV) Acid 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Chloroplatinic Acid, Hydrogen Hexachloroplatinate, Platinic Chloride

Minimum assay (Pt): 37.50%

CODE

134433

CAS

18497-13-7

MOLECULAR FORMULA

$\text{H}_2\text{Cl}_6\text{Pt} \cdot 6\text{H}_2\text{O}$

MOLAR MASS

517.92 g/mol

Packs sizes (1)



CODE

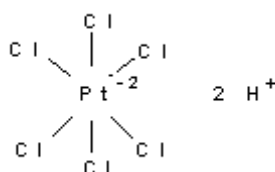
PACKAGING SIZE

CODE

PACKAGING SIZE

134433.1603

1 g



① Technical data

MELTING POINT:

60 °C

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE: 134433

PRODUCT NAME: Hexachloroplatinic(IV) Acid 6-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (Pt): 37.50%

Maximum limit of impurities

Insoluble matter in H₂O: 0.01 %

Insoluble matter in C₂H₅OH: passes test

Sensitivity to K: passes test

Alkalis and other salts (as SO₄): 0.05%

Ag: 0.01 %

Al: 0.02 %

Au: 0.01 %

Ba: 0.02 %

Ca: 0.02 %

Cu: 0.02 %

Fe: 0.02 %

K: 0.02 %

Mg: 0.02 %

Na: 0.02 %

Ni: 0.02 %

HAZARD PICTOGRAMS



UN: 2507

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

STORAGE: Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS06
GHS05
GHS08

H PHRASES:

H301
H314
H334
H317

P PHRASES:

P264
P260
P261
P270
P272
P501
P280
P285
P301+P310
P301+P330+P331
P302+P352
P303+P361+P353
P304+P340
P304+P341
P305+P351+P338
P310
P321
P330
P333+P313
P338
P342+P311
P363
P405

MASTER NAME:

Hexachloroplatinic(IV) Acid 6-hydrate

SYNONYMS LONG TEXT:

Chloroplatinic Acid, Hydrogen
Hexachloroplatinate, Platinic Chloride

EINECS:

241-010-7

CS:

2843 90 90 00

Glycolic Acid solution 70 % for synthesis

Assay (titr.): min. 70 %

CODE

167073

CAS

79-14-1

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
167073.1214

PACKAGING SIZE
5 L

① Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 167073

PRODUCT NAME: Glycolic Acid solution 70 % for synthesis

SPECIFICATIONS: Assay (titr.): min. 70 %
Heavy metals (as Pb): max. 0.001 %
Methoxyacetic acid: max. 0.3 %
Sulfate: max. 0.05 %

HAZARD PICTOGRAMS



UN: 3265

CLASS/PG: 8/II

ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	EUH208 H314 H332

P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
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EINECS:	201-180-5
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CS:	29181998
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Hydrochloric Acid 0.310 mol/l (1,128% w/v) volumetric solution

Muriatic Acid

CODE	185423
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 185423.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.005 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 185423

PRODUCT NAME: Hydrochloric Acid 0.310 mol/l (1,128% w/v) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: for determination of starch in feed, according to Ewers. Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.995 - 1.005

Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Hydrochloric Acid 0,310 mol/l *(1,128% w/v)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 0.25 mol/l (0.25N) volumetric solution

Muriatic Acid

CODE	182318
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182318.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.004 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182318

PRODUCT NAME: Hydrochloric Acid 0.25 mol/l (0.25N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Hydrochloric Acid 0,25 mol/l *(0,25N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 0.1 mol/l (0.1N) (Reag. Ph. Eur.) volumetric solution

Muriatic Acid

CODE 181023

CAS 7647-01-0

MOLECULAR FORMULA HCl

MOLAR MASS 36.46 g/mol

Packs sizes (6)



CODE

PACKAGING SIZE

CODE
181023.1211

PACKAGING SIZE
1000 ml



CODE
181023.1212

PACKAGING SIZE
2.5 l



CODE
181023.1214

PACKAGING SIZE
5 l



CODE
181023.0715

PACKAGING SIZE
10 l



CODE
181023.1315

PACKAGING SIZE
10 l



CODE
181023.0719

PACKAGING SIZE
200 l

① Technical data

DENSITY: 1.001 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181023

PRODUCT NAME: Hydrochloric Acid 0.1 mol/l (0.1N) (Reag. Ph. Eur.)
volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Standardised against Tris (Hydroxymethyl)
Aminomethane

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST
Concentration: See certificate

HAZARD PICTOGRAMS



WGK: nwg

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS05

H PHRASES: H290

P PHRASES: P390

MASTER NAME:	Hydrochloric Acid 0,1 mol/l *(0,1N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 0.1 mol (3.646g HCl) to prepare 1l of 0.1N solution

CODE

303110

CAS

7647-01-0

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

303110.1920

PACKAGING SIZE

amp54ml

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

liquid

Plastic or glass ampoules containing clear colourless liquid

PRODUCT CODE:

303110

PRODUCT NAME:

Hydrochloric Acid 0.1 mol (3.646g HCl) to prepare 1l of 0.1N solution

SPECIFICATIONS:

Titer at 20°C: 0.997 - 1.003

Traceability: See certificate

HAZARD PICTOGRAMS



UN:

1789

CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406
MASTER NAME:	Hydrochloric Acid 0,1 mol *(3,646g HCl) to prepare 1l of 0,1N solution
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 0.05 mol/l (0.05N) volumetric solution

Muriatic Acid

CODE	182107
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 182107.1211	PACKAGING SIZE 1000 ml
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Product active until stock lasts.

Technical data

DENSITY:	1.000 kg/l
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PHYSICAL DESCRIPTION:	liquid
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PRODUCT CODE:	182107
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PRODUCT NAME:	Hydrochloric Acid 0.05 mol/l (0.05N) volumetric solution
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QUALITY NAME:	volumetric solution
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HEADLINE COMMENT:	Indicator: Methyl Red
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SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate
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HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Hydrochloric Acid 0,05 mol/l *(0,05N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 10 mol/l (10N) volumetric solution

CODE

187051

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (2)



CODE

CODE
187051.0905

PACKAGING SIZE

PACKAGING SIZE
100 x 10 ml



CODE
187051.1211

PACKAGING SIZE
1 L

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

187051

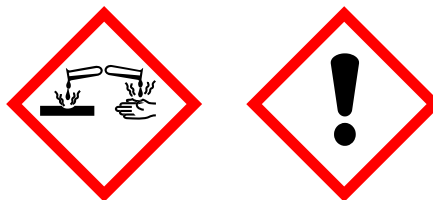
PRODUCT NAME:

Hydrochloric Acid 10 mol/l (10N) volumetric
solution

SPECIFICATIONS:

Factor limits: 0.995 - 1.005

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H314 H335
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
EINECS:	231-595-7
CS:	28061000
INDEX NR.:	017-002-01-X

Hydrochloric Acid 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution

Muriatic Acid

CODE	181021
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (6)

	CODE	PACKAGING SIZE	
	CODE 181021.1208	PACKAGING SIZE 100 ml	Product discontinued. Alternative 181021.1211 (please check specifications).
	CODE 181021.1211	PACKAGING SIZE 1000 ml	
	CODE 181021.1214	PACKAGING SIZE 5 l	
	CODE 181021.1315	PACKAGING SIZE 10 l	
	CODE 181021.0716	PACKAGING SIZE 25 l	



CODE
181021.0719

PACKAGING
SIZE
200 l

Technical data

DENSITY: 1.011 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181021

PRODUCT NAME: Hydrochloric Acid 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN: 1789

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: nwg

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS05

H PHRASES: H290

P PHRASES: P234
P390
P406

MASTER NAME: Hydrochloric Acid 1 mol/l *(1N)

SYNONYMS LONG TEXT: Muriatic Acid

EINECS: 231-595-7

CS: 2806 10 00 00

Hydrochloric Acid 1 mol/l (1N) (Reag. Ph.Eur.) volumetric solution

Muriatic Acid

CODE	186985
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 186985.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

DENSITY: 1.011 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 186985

PRODUCT NAME: Hydrochloric Acid 1 mol/l (1N) (Reag. Ph.Eur.)
volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Standardised against Tris (Hydroxymethyl)
Aminomethane Indicator: Methyl Orange

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Hydrochloric Acid 1 mol/l (1N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00

Hydrochloric Acid 1 mol (36.461g HCl) to prepare 1l of 1N solution

CODE

303112

CAS

7647-01-0

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

303112.1920

PACKAGING SIZE

amp120ml

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

liquid

Plastic or glass ampoules containing clear colourless liquid

PRODUCT CODE:

303112

PRODUCT NAME:

Hydrochloric Acid 1 mol (36.461g HCl) to prepare 1l of 1N solution

SPECIFICATIONS:

Titer at 20°C: 0.997 - 1.003

Traceability: See certificate

HAZARD PICTOGRAMS



UN:

1789

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H314 H335 H290
P PHRASES:	P260 P261 P264 P271 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P338 P363 P403+P233 P405 P501

MASTER NAME:	Hydrochloric Acid 1 mol *(36,461g HCl) to prepare 1l of 1N solution
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 0.5 mol/l (0.5N) volumetric solution

Muriatic Acid

CODE	181022
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 181022.1211	PACKAGING SIZE 1000 ml
	CODE 181022.1214	PACKAGING SIZE 5 l
	CODE 181022.1315	PACKAGING SIZE 10 l

① Technical data

DENSITY: 1.007 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181022

PRODUCT NAME:	Hydrochloric Acid 0.5 mol/l (0.5N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Hydrochloric Acid 0,5 mol/l *(0,5N)
SYNONYMS LONG TEXT:	Muriatic Acid

EINECS:

231-595-7

CS:

2806 10 00 00

Hydrochloric Acid 25% (E-507, F.C.C.) food grade

Muriatic Acid

Assay: 16 - 16.6 ° Bé

CODE

203378

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

203378.0715

10 l

① Technical data

MELTING POINT:

-70 °C

BOILING POINT:

107 °C

DENSITY:

1.12 kg/l

SOLUBILITY:

Miscible with water

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

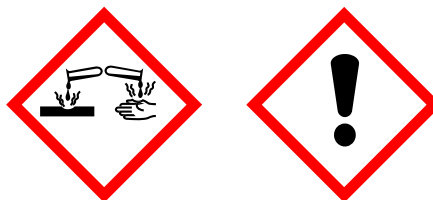
203378

PRODUCT NAME:

Hydrochloric Acid 25% (E-507, F.C.C.) food grade

QUALITY NAME:	food grade
SPECIFICATIONS:	Assay: 16 - 16.6 ° Bé Concentration of HCl: 24.5 -25.5 % Identity Chloride: passes test Specific gravity: 1.124 -1.129 Non-volatile residue , not more than: 0.5 % Reducing substances (as SO₂) , not more than: 0.007 % Sulfate (SO₄) , not more than: 0.5 % Benzene, not more than: 0.05 ppm Color: passes test Oxidizing substances (as Cl₂), not more than: 0.003 % Extractable organic compounds: Total org.comp. (Non-Fluorine-cont), not more than: 5 ppm Including: Fluorinated org. compounds (total), not more than: 25 ppm Arsenic, not more than: 1 ppm Mercury, not more than: 0.10 ppm Lead, not more than: 1 ppm Iron, not more than: 5 ppm Heavy metals (as Pb) , 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.

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H335 H314 H318
P PHRASES:	P234 P390 P406 P264 P280 P302+P352 P321 P332+P313 P362 P305+P351+P338 P337+P313 P261 P271 P304+P340 P403+P233 P312 P405 P501

MASTER NAME:	Hydrochloric Acid 25%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 2 mol/l (2N) volumetric solution

Muriatic Acid

CODE	182108
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 182108.1211	PACKAGING SIZE 1000 ml	
	CODE 182108.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 182108.1211 (please check specifications).
	CODE 182108.9774	PACKAGING SIZE 1000 l	

① Technical data

DENSITY: 1.035 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182108

PRODUCT NAME:	Hydrochloric Acid 2 mol/l (2N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Hydrochloric Acid 2 mol/l *(2N)
SYNONYMS LONG TEXT:	Muriatic Acid

EINECS:

231-595-7

CS:

2806 10 00 00

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

Muriatic Acid

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

CODE

143006

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

143006.1211

1000 ml



CODE

PACKAGING SIZE

143006.0715

10 l



CODE

PACKAGING SIZE

143006.0716

25 L

① Technical data

DENSITY:

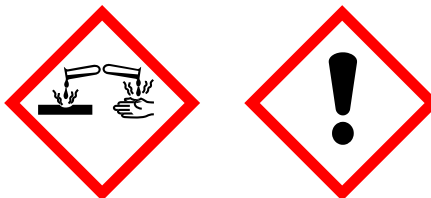
1.047 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:	143006
PRODUCT NAME:	Hydrochloric Acid 10% w/w (USP-NF, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (w/w): 9.5 - 10.5 % Assay (Acidim.) (w/v): 9.5 - 10.5 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of the substance: passes test Non-volatile matter: 0.01 % Residue on ignition (as SO₄): 0.01 % Sulfate (SO₄) (Ph. Eur.): 0.0005 % Sulfate (SO₄) (USP-NF): passes test Sulfite: passes test Residual solvents (Ph.Eur/USP): passes test Free bromine or chlorine (USP-NF): passes test Free chlorine: 0.0001 %

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS05

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

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

Hydrochloric Acid 10 % technical grade

Assay (titr.): approx. 10 %

CODE

213006

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (2)



CODE

CODE

213006.1214

PACKAGING SIZE

PACKAGING SIZE

5 L

Product active until stock lasts.



CODE

213006.0715

PACKAGING SIZE

10 L

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

213006

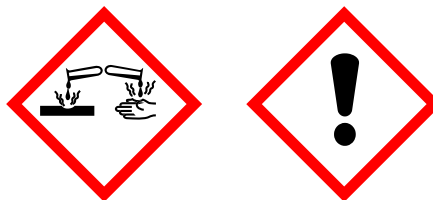
PRODUCT NAME:

Hydrochloric Acid 10 % technical grade

SPECIFICATIONS:

Assay (titr.): approx. 10 %

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H315 H319 H335
P PHRASES:	P301+P330+P331 P305+P351+P338 P314
EINECS:	231-595-7
CS:	28061000
INDEX NR.:	017-002-01-X

Hydrochloric Acid 10% w/w for analysis

Muriatic Acid

Minimum assay (Acidim.): 10 %

CODE	123006
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 123006.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

DENSITY: 1.047 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 123006

PRODUCT NAME: Hydrochloric Acid 10% w/w for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay (Acidim.): 10 %

Maximum limit of impurities

Bromide (Br): 0.005 %

Phosphate (PO4): 0.00005 %

Sulfate (SO4): 0.0001 %

Al: 0,000005 %

As: 0,000001 %

Ca: 0,00005 %

Fe: 0,00002 %

Na: 0,00005 %

Ni: 0,000002 %

Pb: 0,000002 %

Zn: 0,000005 %

HAZARD PICTOGRAMS



UN: 1789

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07
GHS05

H PHRASES: H319
H335
H315
H290

P PHRASES: P261
P264
P271
P280
P302+P352
P501
P304+P340
P305+P351+P338

P312
P321
P332+P313
P337+P313
P362
P403+P233
P405
P234
P390
P406

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

Hydrochloric Acid 35% for trace metal analysis (ppb)

Muriatic Acid

Assay (Acidim.): 34-37 %

CODE

721019

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

721019.0010

500 ml



CODE

PACKAGING SIZE

721019.0011

1000 ml



CODE

PACKAGING SIZE

721019.0012

2.5 l

① Technical data

MELTING POINT:

-26 °C

BOILING POINT:

85 °C

DENSITY:

1.185 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	721019
PRODUCT NAME:	Hydrochloric Acid 35% for trace metal analysis (ppb)
QUALITY NAME:	for trace metal analysis (ppb)
SPECIFICATIONS:	Assay (Acidim.): 34-37 %

Maximum limit of impurities

APHA colour: 10

Chlorine Free (Cl): 0.00005%

Bromide (Br): 0.001%

Total Sulfur: 0.00003%

Total Phosphorus: 0.000001%

Metals by ICP (ppb)

Ag: 1

Al: 1

As: 0.5

Au: 0.5

B: 1

Ba: 0.1

Be: 0.1

Bi: 0.1

Ca: 1

Cd: 0.1

Ce: 0.1

Co: 0.1

Cr: 0.5

Cs: 0.1

Cu: 0.5

Dy: 0.1

Er: 0.1

Eu: 0.1

Fe: 1

Ga: 0.1

Gd: 0.1

Hf: 0.1

Hg: 0.1

Ho: 0.1

In: 0.1

K: 1
La: 0.1
Li: 0.1
Lu: 0.1
Mg: 0.5
Mn: 0.1
Mo: 0.1
Na: 1
Nb: 0.1
Nd: 0.1
Ni: 0.5
Pb: 0.1
Pr: 0.1
Rb: 0.1
Re: 0.1
Rh: 0.1
Ru: 0.1
Sb: 0.5
Sc: 0.1
Se: 1
Sm: 0.1
Sn: 0.5
Sr: 0.1
Tb: 0.1
Te: 0.1
Th: 0.1
Ti: 0.5
Tl: 0.1
Tm: 0.1
U: 0.1
V: 0.5
W: 0.1
Y: 0.1
Yb: 0.1
Zn: 1
Zr: 0.1

HAZARD PICTOGRAMS



UN:

1789

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H314 H335 H290
P PHRASES:	P260 P261 P264 P271 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P338 P363 P403+P233 P405 P501

MASTER NAME:	Hydrochloric Acid 35%
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SYNONYMS LONG TEXT:	Muriatic Acid
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EINECS:	231-595-7
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CS: 2806 10 00 00

INDEX NR.: 017-002-01-X

Hydrochloric Acid 32% for analysis, ISO

Muriatic Acid

Minimum assay (Acidim.): 32%

CODE	132176
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 132176.1612	PACKAGING SIZE 2.5 l	Product active until stock lasts.
	CODE 132176.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 131020.1214 (please check specifications).

Technical data

DENSITY:	1.16 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	132176
PRODUCT NAME:	Hydrochloric Acid 32% for analysis, ISO
QUALITY NAME:	for analysis, ISO

SPECIFICATIONS:

Minimum assay (Acidim.): 32%

Density 15/4: ≥ 1.16 **Maximum limit of impurities**

APHA colour: 10

Residue on ignition (as SO₄): 0.0005 %

Chlorine (Cl): 0.0001%

Ammonium (NH₄): 0.0003%

Bromide (Br): 0.005%

Phosphate (PO₄): 0.00005 %Sulfate (SO₄): 0.0001%Sulfite (SO₃): 0.0001%

Heavy metals (as Pb): 0.0001%

Al: 0.00001 %

As: 0.000001 %

Ba: 0.000005 %

Be: 0.000002 %

Ca: 0.00005 %

Cd: 0.000001 %

Co: 0.000001 %

Cr: 0.000002 %

Cu: 0.000002 %

Fe: 0.00002 %

K: 0.00001 %

Li: 0.000002 %

Mg: 0.00001 %

Mn: 0.000001 %

Na: 0.00005 %

Ni: 0.000002 %

Pb: 0.000002 %

Sr: 0.000002 %

Zn: 0.000005 %

HAZARD PICTOGRAMS

UN:

1789

CLASS/PG:

8/II

ADR:

8/II

IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H314 H335 H290
P PHRASES:	P260 P261 P264 P271 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P338 P363 P403+P233 P405 P501

MASTER NAME:	Hydrochloric Acid 32%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 3 mol/l (3N) volumetric solution

Muriatic Acid

CODE	182057
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 182057.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 182057.1315	PACKAGING SIZE 10 l

Technical data

DENSITY: 1.046 kg/l

PHYSICAL DESCRIPTION: liquid

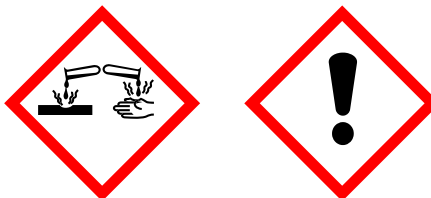
PRODUCT CODE: 182057

PRODUCT NAME: Hydrochloric Acid 3 mol/l (3N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT:	for analysis of raw fat
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H319 H335 H315 H290
P PHRASES:	P261 P264 P271 P280 P302+P352 P501 P304+P340 P305+P351+P338 P312

P321
P332+P313
P337+P313
P362
P403+P233
P405

MASTER NAME:	Hydrochloric Acid 3 mol/l *(3N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 25 % pure

Assay (titr.): min. 25 %

CODE

143378

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

143378.1212

PACKAGING SIZE

2.5 L

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

143378

PRODUCT NAME:

Hydrochloric Acid 25 % pure

SPECIFICATIONS:

Assay (titr.): min. 25 %

Free chlorine: max. 0.0004 %

Identity: passes test

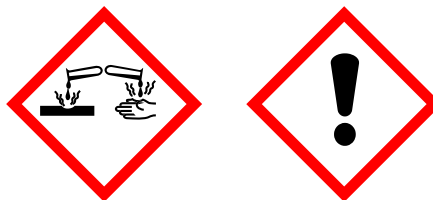
Heavy metals (as Pb): max. 0.0002 %

Residue after evaporation: max. 0.01 %

Sulfate: max. 0.002 %

As: max. 0.0002 %

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H314 H335
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
EINECS:	231-595-7
CS:	28061000
INDEX NR.:	017-002-01-X

Hydrochloric Acid 25% for analysis, ISO

Muriatic Acid

Minimum assay (Acidim.): 25.0%

CODE 133378

CAS 7647-01-0

MOLECULAR FORMULA HCl

MOLAR MASS 36.46 g/mol

Packs sizes (4)



CODE
133378.1211

PACKAGING SIZE
1000 ml



CODE
133378.1611

PACKAGING SIZE
1000 ml



CODE
133378.1212

PACKAGING SIZE
2,5 l



CODE
133378.1214

PACKAGING SIZE
5 l

① Technical data

MELTING POINT: -70 °C

BOILING POINT: 107 °C

DENSITY:	1.12 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	133378
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PRODUCT NAME:	Hydrochloric Acid 25% for analysis, ISO
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QUALITY NAME:	for analysis, ISO
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SPECIFICATIONS:	Minimum assay (Acidim.): 25.0% Density 15/4: ≥ 1.12
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Maximum limit of impurities

APHA colour: 10

Residue on ignition (as SO₄): 0.0005 %

Chlorine (Cl): 0.0001%

Ammonium (NH₄): 0.0003%

Bromide (Br): 0.005%

Sulfate (SO₄): 0.0001%

Sulfite (SO₃): 0.0001%

Heavy metals (as Pb): 0.0001%

Al: 0.00001 %

As: 0.000001 %

Ba: 0.000005 %

Be: 0.000002 %

Ca: 0.00005 %

Cd: 0.000001 %

Co: 0.000001 %

Cr: 0.000002 %

Cu: 0.000002 %

Fe: 0.00002 %

K: 0.00001 %

Li: 0.000002 %

Mg: 0.00001 %

Mn: 0.000001 %

Na: 0.00005 %

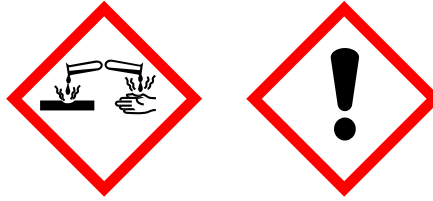
Ni: 0.000002 %

Pb: 0.000002 %

Sr: 0.000002 %

Zn: 0.000005 %

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H335 H314 H318
P PHRASES:	P234 P390 P406 P264 P280 P302+P352 P321 P332+P313 P362 P305+P351+P338 P337+P313 P261 P271 P304+P340 P403+P233

P312
P405
P501

MASTER NAME:	Hydrochloric Acid 25%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

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

Muriatic Acid

Assay (Acidim.): 36.5-38.0 %

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

Packs sizes (5)

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

Technical data

MELTING POINT: -25 °C

BOILING POINT: 85 °C

DENSITY: 1.19 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141020

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance of solution: passes test

Non-volatile matter: 0.01 %

Residue on ignition (as SO₄): 0.005 %

Chlorine (Ph. Eur.): 0.0004%

Ammonium (NH₄): 0.001%

Sulfate (SO₄): 0.0005%

Sulfate (SO₄) (USP-NF): passes test

Sulfite (USP-NF): passes test

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

Bromine or Chlorine (USP-NF): passes test

Bromide or Iodide (USP-NF): passes test

HAZARD PICTOGRAMS



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

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

CS: 2806 10 00 00

INDEX NR.: 017-002-01-X

Hydrochloric Acid 37% technical grade

Muriatic Acid

Assay (Acidim.): 36.5-39 %

CODE 211020

CAS 7647-01-0

MOLECULAR FORMULA HCl

MOLAR MASS 36.46 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 211020.0716 PACKAGING SIZE 25 l

Technical data

MELTING POINT: -25 °C

BOILING POINT: 85 °C

DENSITY: 1.19 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 211020

PRODUCT NAME: Hydrochloric Acid 37% technical grade

QUALITY NAME: technical grade

SPECIFICATIONS:

Assay (Acidim.): 36.5-39 %

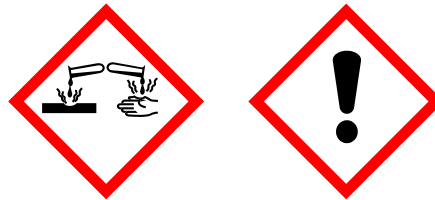
Density 15/4: 1.185-1.195

Ammonium (NH₄): 0.005%Sulfate (SO₄): 0.005%

As: 0.0003 %

Fe: 0.005 %

Pb: 0.005 %

HAZARD PICTOGRAMS**UN:**

1789

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

GHS07

H PHRASES:

H290

H335

H314

P PHRASES:

P234

P390

P406

P264

P280

P302+P352

P321

P332+P313

P362
P305+P351+P338
P337+P313
P261
P271
P304+P340
P403+P233
P312
P405
P501

MASTER NAME:	Hydrochloric Acid 37%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 37% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO

Muriatic Acid

Assay (Acidim.): 36.5-38.0 %

CODE

471020

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (3)



CODE

CODE
471020.1611

PACKAGING
SIZE

PACKAGING
SIZE
1000 ml

Product discontinued. Alternative
131020.1611 (please check specifications).



CODE

471020.1612

PACKAGING
SIZE
2.5 l

Product active until stock lasts.



CODE

471020.0716

PACKAGING
SIZE
25 l

Product discontinued. Alternative
131020.1214 (please check specifications).

① Technical data

MELTING POINT: -25 °C

BOILING POINT: 85 °C

DENSITY:

	1.19 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	471020
PRODUCT NAME:	Hydrochloric Acid 37% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Acidim.): 36.5-38.0 % Density 15/4: ≥ 1.19

Maximum limit of impurities

APHA colour: 10
 Appearance: passes test
 Residue on ignition (as SO₄): 0.0005 %
 Chlorine (Cl): 0.0001%
 Ammonium (NH₄): 0.0003%
 Bromide (Br): 0.005%
 Sulfate (SO₄): 0.0001%
 Sulfite (SO₃): 0.0001%
 Extractable organic substances: passes test
 Heavy Metals (ICP-OES): 0.0001 %

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.05
 Al: 0.1
 As: 0.01
 Au: 0.1
 B: 0.2
 Ba: 0.05
 Be: 0.02
 Bi: 0.05
 Ca: 0.5
 Cd: 0.01
 Co: 0.01
 Cr: 0.02
 Cu: 0.02
 Fe: 0.1
 Ga: 0.05

Ge: 0.02
Hg: 0.0000005%
In: 0.05
K: 0.1
Li: 0.02
Mg: 0.1
Mn: 0.01
Mo: 0.01
Na: 0.5
Ni: 0.02
Pb: 0.02
Pt: 0.1
Sb: 0.01
Si: 0.1
Sn: 0.1
Sr: 0.02
Ti: 0.02
Tl: 0.02
V: 0.01
Zn: 0.05
Zr: 0.02

HAZARD PICTOGRAMS



UN: 1789

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

	GHS07
H PHRASES:	H290
	H335
	H314
P PHRASES:	P234
	P390
	P406
	P264
	P280
	P302+P352
	P321
	P332+P313
	P362
	P305+P351+P338
	P337+P313
	P261
	P271
	P304+P340
	P403+P233
	P312
	P405
	P501

MASTER NAME:	Hydrochloric Acid 37%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 37% (E-507, F.C.C.) food grade

Muriatic Acid

Assay , not less than: 23 %

CODE	201020
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 201020.0716	PACKAGING SIZE 25 l

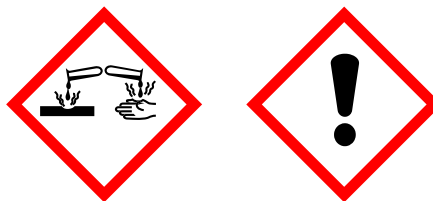
① Technical data

MELTING POINT:	-25 °C
BOILING POINT:	85 °C
DENSITY:	1.19 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	201020
PRODUCT NAME:	Hydrochloric Acid 37% (E-507, F.C.C.) food grade

QUALITY NAME:	food grade
SPECIFICATIONS:	Assay , not less than: 23 % Concentration of HCl, not less than: 37 % Identity Chloride: passes test Specific gravity , not less than: 1.19 Non-volatile residue , not more than: 0.5% Reducing substances (as SO₂) , not more than: 0.007 % Sulfate (SO₄) , not more than: 0.5% Color: passes test Oxidizing substances (as Cl₂), not more than: 0.003% Extractable organic compounds: Total org.comp. (Non-Fluorine-cont), not more than: 5 ppm Including: Benzene, not more than: 0.05 ppm Fluorinated org. compounds (total), not more than: 25 ppm Arsenic, not more than: 1 ppm Mercury, not more than: 0.10 ppm Lead, not more than: 1 ppm Iron, not more than: 5 ppm Heavy metals (as Pb) , 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.

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II

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

MASTER NAME:	Hydrochloric Acid 37%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrochloric Acid 35% for trace metal analysis (ppt)

Muriatic Acid

Assay (Acidim.): 32-35 %

CODE

711019

CAS

7647-01-0

MOLECULAR FORMULA

HCl

MOLAR MASS

36.46 g/mol

Packs sizes (1)



CODE

PACKAGING
SIZE

CODE

711019.0009

PACKAGING
SIZE
250 ml

Product discontinued. Alternative
721019.0010 (please check specifications).

① Technical data

MELTING POINT: -26 °C

BOILING POINT: 85 °C

DENSITY: 1.185 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 711019

PRODUCT NAME: Hydrochloric Acid 35% for trace metal analysis (ppt)

QUALITY NAME: for trace metal analysis (ppt)

SPECIFICATIONS: Assay (Acidim.): 32-35 %

Maximum limit of impurities

Metals by ICP (in ppt)

Ag: 10

Al: 20

As: 50

Au: 50

B: 100

Ba: 10

Be: 10

Bi: 10

Ca: 10

Cd: 10

Ce: 10

Co: 10

Cr: 10

Cs: 10

Cu: 10

Dy: 1

Er: 1

Eu: 1

Fe: 10

Ga: 10

Gd: 1

Hf: 10

Hg: 50

Ho: 1

In: 1

K: 10

La: 1

Li: 10

Lu: 10

Mg: 10

Mn: 10

Mo: 10

Na: 10

Nb: 1

Nd: 1

Ni: 20

Pb: 10

Pr: 1
Rb: 10
Re: 10
Rh: 10
Ru: 10
Sb: 20
Sc: 10
Sm: 1
Sn: 20
Sr: 10
Tb: 1
Te: 1
Th: 1
Ti: 10
Tl: 10
Tm: 1
U: 1
V: 10
W: 10
Y: 1
Yb: 1
Zn: 10
Zr: 10

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger

GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H314 H335 H290
P PHRASES:	P260 P261 P264 P271 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P338 P363 P403+P233 P405 P501

MASTER NAME:	Hydrochloric Acid 35%
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

Hydrofluoric Acid 40% for analysis, ISO

Assay (Acidim.): 40-42 %

CODE

133070

CAS

7664-39-3

MOLECULAR FORMULA

HF

MOLAR MASS

20.01 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

133070.1211

PACKAGING SIZE

1000 ml



CODE

133070.1212

PACKAGING SIZE

2.5 l

① Technical data

MELTING POINT:

-44 °C

BOILING POINT:

112 °C

DENSITY:

1.130 kg/l

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

133070

PRODUCT NAME: Hydrofluoric Acid 40% for analysis, ISO

QUALITY NAME: for analysis, ISO

SPECIFICATIONS: Assay (Acidim.): 40-42 %

Maximum limit of impurities

Reducing substance to KMnO_4 : passes test

Residue on ignition (as SO_4): 0.0005 %

Chloride (Cl): 0.0005%

Phosphate (PO_4): 0.0001 %

Fluosilicic acid ($\text{F}_6\text{H}_2\text{Si}$): 0.01%

Sulfate and sulfite (as SO_4): 0.0005%

As: 0.000005 %

Heavy metals (as Pb): 0.00005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.04

Al: 0.1

Au: 0.1

B: 0.05

Ba: 0.2

Be: 0.04

Bi: 0.05

Ca: 0.5

Cd: 0.02

Co: 0.04

Cr: 0.04

Cu: 0.04

Fe: 0.2

Ga: 0.05

Ge: 0.02

Hg: 0.1

In: 0.05

K: 0.2

Li: 0.04

Mg: 0.2

Mn: 0.1

Mo: 0.02

Na: 0.4

Ni: 0.04

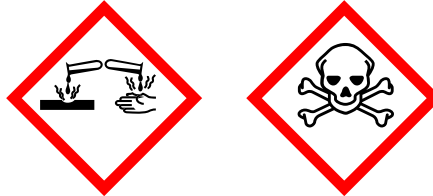
Pb: 0.1

Pt: 0.1

Sb: 0.02

Si: 0.1
Sn: 0.05
Sr: 0.04
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.05

HAZARD PICTOGRAMS



UN:	1790
CLASS/PG:	8(6.1)/II
ADR:	8(6.1)/II
IMDG:	8(6.1)/II
IATA:	8(6.1)/II
WGK:	2
STORAGE:	Storage between 15 and 18°C.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS05
H PHRASES:	H330 H310 H300 H314
P PHRASES:	P260 P262 P264 P270 P271 P501 P280

P284
P301+P310
P301+P330+P331
P302+P350
P303+P361+P353
P304+P340
P305+P351+P338
P310
P320
P321
P322
P330
P338
P361
P363
P403+P233
P405

MASTER NAME:	Hydrofluoric Acid 40%
EINECS:	231-634-8
CS:	2811 11 00 00
INDEX NR.:	009-003-00-1

Hydrochloric Acid 6 mol/l (6N) volumetric solution

Muriatic Acid

CODE	182883
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182883.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.09 kg/l

PHYSICAL DESCRIPTION: liquid

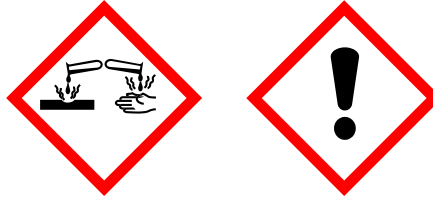
PRODUCT CODE: 182883

PRODUCT NAME: Hydrochloric Acid 6 mol/l (6N) volumetric solution

QUALITY NAME: volumetric solution

SPECIFICATIONS: Titer at 20°C: 1.000 ±0.001

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H319 H335 H315 H290
P PHRASES:	P261 P264 P271 P280 P302+P352 P501 P304+P340 P305+P351+P338 P312 P321 P332+P313 P337+P313 P362 P403+P233 P405

MASTER NAME:

Hydrochloric Acid 6 mol/l *(6N)

SYNONYMS LONG TEXT:

Muriatic Acid

EINECS:

231-595-7

CS:

2806 10 00 00

INDEX NR.:

017-002-01-X

Hydrochloric Acid 5 mol/l (5N) volumetric solution

Muriatic Acid

CODE	182109
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 182109.1211	PACKAGING SIZE 1000 ml	
	CODE 182109.1215	PACKAGING SIZE 10 l	Product active until stock lasts.

Technical data

DENSITY:	1.08 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	182109
PRODUCT NAME:	Hydrochloric Acid 5 mol/l (5N) volumetric solution
QUALITY NAME:	volumetric solution

HEADLINE COMMENT:

Indicator: Methyl Red

SPECIFICATIONS:

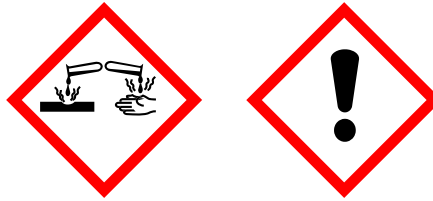
Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate

Traceability: NIST

Density 20/4: 1.081 - 1.085 g/ml

HAZARD PICTOGRAMS



UN:

1789

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

GHS05

H PHRASES:

H319

H335

H315

H290

P PHRASES:

P261

P405

P305+P351+P338

P280

P501

P403+P233

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

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

Muriatic Acid

CODE	192109
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 192109.1215	PACKAGING SIZE 10 l



CODE	PACKAGING SIZE
CODE 192109.0719	PACKAGING SIZE 200 l

Technical data

DENSITY: 1.08 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 192109

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

QUALITY NAME: pharma grade

HEADLINE COMMENT:

Indicator: Methyl Red

SPECIFICATIONS:

Titer at 20°C: 1.00 ± 0.01

Identity according to Pharmacopoeias:: passes test

Appearance of solution: passes test

Non-volatile matter: 0.01 %

Residue on ignition (as SO₄): 0.008 %

Chlorine Free (Ph. Eur.): 0.0004 %

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

Sulfite (USP-NF): passes test

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

Bromine or Chlorine (USP-NF): passes test

Bromide or Iodide (USP-NF): passes test

Heavy metals (as Pb): 0.0002 %

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

HAZARD PICTOGRAMS

UN:

1789

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

GHS05

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

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

Hydrochloric Acid 4 mol/l (4N) volumetric solution

Muriatic Acid

CODE	182552
CAS	7647-01-0
MOLECULAR FORMULA	HCl
MOLAR MASS	36.46 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182552.1214	PACKAGING SIZE 5 l

Technical data

DENSITY: 1.065 kg/l

PHYSICAL DESCRIPTION: liquid

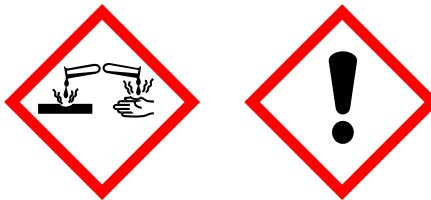
PRODUCT CODE: 182552

PRODUCT NAME: Hydrochloric Acid 4 mol/l (4N) volumetric solution

QUALITY NAME: volumetric solution

SPECIFICATIONS: Titer at 20°C: 1.000 ±0.001

HAZARD PICTOGRAMS



UN:	1789
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H319 H335 H315 H290
P PHRASES:	P261 P305+P351+P338 P403+P233 P280 P405 P501

MASTER NAME:	Hydrochloric Acid 4 mol/l *(4N)
SYNONYMS LONG TEXT:	Muriatic Acid
EINECS:	231-595-7
CS:	2806 10 00 00
INDEX NR.:	017-002-01-X

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

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

CODE

A1688

CAS

56-41-7

MOLECULAR FORMULA

CH₃CH(NH₂)COOH

MOLAR MASS

89.09 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1688,0100

100 g

① Technical data

SOLUBILITY: 166.5 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1688

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

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

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

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-273-8
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CS:	29224985
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Hydrofluoric Acid 48% (Reag. USP) for analysis, ACS, ISO

Assay (Acidim.): 48.0-51.0 %

CODE	131028
CAS	7664-39-3
MOLECULAR FORMULA	HF
MOLAR MASS	20.01 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
131028.1211	1000 ml



CODE	PACKAGING SIZE
131028.1212	2.5 l

① Technical data

MELTING POINT:	-35 °C
BOILING POINT:	106 °C
DENSITY:	1.16 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	131028
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PRODUCT NAME: Hydrofluoric Acid 48% (Reag. USP) for analysis,
ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Assay (Acidim.): 48.0-51.0 %

Maximum limit of impurities

Reducing substance to KMnO₄: passes test

Residue on ignition (as SO₄): 0.0005 %

Chloride (Cl): 0.0005%

Phosphate (PO₄): 0.0001 %

Fluosilicic acid (F₆H₂Si): 0.01%

Sulfate and sulfite (as SO₄): 0.0005%

As: 0.000005 %

Heavy metals (as Pb): 0.00005%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.04

Al: 0.1

Au: 0.1

B: 0.05

Ba: 0.2

Be: 0.04

Bi: 0.05

Ca: 0.5

Cd: 0.02

Co: 0.04

Cr: 0.02

Cu: 0.04

Fe: 0.2

Ga: 0.05

Ge: 0.02

Hg: 0.1

In: 0.05

K: 0.1

Li: 0.04

Mg: 0.2

Mn: 0.1

Mo: 0.02

Na: 0.2

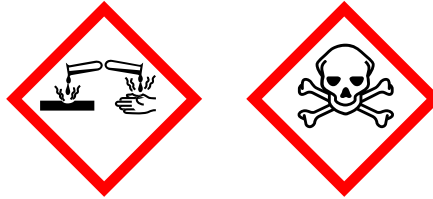
Ni: 0.02

Pb: 0.05

Pt: 0.1

Sb: 0.02
Si: 0.1
Sn: 0.05
Sr: 0.04
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.05
Zr: 0.05

HAZARD PICTOGRAMS



UN: 1790

CLASS/PG: 8(6.1)/II

ADR: 8(6.1)/II

IMDG: 8(6.1)/II

IATA: 8(6.1)/II

WGK: 2

STORAGE: Storage between 15 and 18°C.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS06
GHS05

H PHRASES: H330
H310
H300
H314

P PHRASES: P260
P262
P264
P270
P271
P501

P280
P284
P301+P310
P301+P330+P331
P302+P350
P303+P361+P353
P304+P340
P305+P351+P338
P310
P320
P321
P322
P330
P338
P361
P363
P403+P233
P405

MASTER NAME:	Hydrofluoric Acid 48%
EINECS:	231-634-8
CS:	2811 11 00 00
INDEX NR.:	009-003-00-1

Hydrofluoric Acid 48% for trace metal analysis (ppt)

Assay (Acidim.): 47-51 %

CODE

711028

CAS

7664-39-3

MOLECULAR FORMULA

HF

MOLAR MASS

20.01 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 711028.0010	PACKAGING SIZE 500 ml	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

① Technical data

MELTING POINT: -35 °C

BOILING POINT: 106 °C

DENSITY: 1.16 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 711028

PRODUCT NAME: Hydrofluoric Acid 48% for trace metal analysis (ppt)

QUALITY NAME: for trace metal analysis (ppt)

SPECIFICATIONS:

Assay (Acidim.): 47-51 %

Maximum limit of impurities

Metals by ICP (in ppt)

Ag: 10
Al: 20
As: 50
Au: 20
B: 100
Ba: 10
Be: 10
Bi: 10
Ca: 10
Cd: 10
Ce: 10
Co: 10
Cr: 10
Cs: 10
Cu: 10
Dy: 1
Er: 1
Eu: 1
Fe: 10
Ga: 10
Gd: 1
Ge: 10
Hf: 10
Hg: 50
Ho: 1
In: 1
K: 10
La: 10
Li: 10
Lu: 1
Mg: 10
Mn: 10
Mo: 10
Na: 10
Nb: 10
Nd: 1
Ni: 20
Pb: 10
Pd: 20

Pr: 1
Pt: 20
Rb: 20
Re: 10
Rh: 20
Ru: 20
Sb: 20
Sc: 10
Sm: 1
Sn: 20
Sr: 10
Tb: 1
Te: 1
Th: 1
Ti: 20
Tl: 10
Tm: 1
U: 1
V: 10
W: 20
Y: 1
Yb: 1
Zn: 10
Zr: 10

HAZARD PICTOGRAMS



UN: 1790

CLASS/PG: 8(6.1)/II

ADR: 8(6.1)/II

IMDG: 8(6.1)/II

IATA: 8(6.1)/II

WGK: 2

STORAGE: Storage between 15 and 18°C.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS05
H PHRASES:	H330 H310 H300 H314
P PHRASES:	P260 P262 P264 P270 P271 P501 P280 P284 P301+P310 P301+P330+P331 P302+P350 P303+P361+P353 P304+P340 P305+P351+P338 P310 P320 P321 P322 P330 P338 P361 P363 P403+P233 P405

MASTER NAME:	Hydrofluoric Acid 48%
EINECS:	231-634-8
CS:	2811 11 00 00
INDEX NR.:	009-003-00-1

Hydrofluoric Acid 48% for trace metal analysis (ppb)

Assay (Acidim.): 47-51 %

CODE	721028
CAS	7664-39-3
MOLECULAR FORMULA	HF
MOLAR MASS	20.01 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE PACKAGING SIZE
721028.0010 500 ml

Product active until stock lasts.

Technical data

MELTING POINT: -35 °C

BOILING POINT: 106 °C

DENSITY: 1.16 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 721028

PRODUCT NAME: Hydrofluoric Acid 48% for trace metal analysis (ppb)

QUALITY NAME: for trace metal analysis (ppb)

SPECIFICATIONS:

Assay (Acidim.): 47-51 %

Maximum limit of impurities

APHA colour: 10

Chloride (Cl): 0.0004%

Fluosilicic Acid: 0.0020%

Total Sulfur: 0.00001%

Total Phosphorus: 0.000005%

Metals by ICP (ppb)

Ag: 0.5

Al: 1

As: 0.5

Au: 0.2

B: 1

Ba: 0.1

Be: 0.1

Bi: 0.1

Ca: 1

Cd: 0.1

Ce: 0.1

Co: 0.1

Cr: 1

Cs: 0.1

Cu: 0.5

Dy: 0.1

Er: 0.1

Eu: 0.1

Fe: 1

Ga: 0.1

Gd: 0.1

Ge: 0.1

Hf: 0.1

Hg: 1

Ho: 0.1

In: 0.1

K: 1

La: 0.1

Li: 0.1

Lu: 0.1

Mg: 1

Mn: 0.1

Mo: 0.1

Na: 1

Nb: 0.1
Nd: 0.1
Ni: 0.5
Pb: 0.1
Pd: 0.2
Pr: 0.1
Pt: 0.2
Rb: 0.1
Re: 0.1
Rh: 0.1
Ru: 0.1
Sb: 0.2
Sc: 0.1
Se: 1
Sm: 0.1
Sn: 0.5
Sr: 0.1
Tb: 0.1
Te: 0.1
Th: 0.1
Ti: 1
Tl: 0.1
Tm: 0.1
U: 0.1
V: 0.1
W: 0.5
Y: 0.1
Yb: 0.1
Zn: 1
Zr: 0.1

HAZARD PICTOGRAMS



UN: 1790

CLASS/PG: 8(6.1)/II

ADR: 8(6.1)/II

IMDG: 8(6.1)/II

IATA:	8(6.1)/II
WGK:	2
STORAGE:	Storage between 15 and 18°C.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS05
H PHRASES:	H330 H310 H300 H314
P PHRASES:	P260 P262 P264 P270 P271 P501 P280 P284 P301+P310 P301+P330+P331 P302+P350 P303+P361+P353 P304+P340 P305+P351+P338 P310 P320 P321 P322 P330 P338 P361 P363 P403+P233 P405

MASTER NAME: Hydrofluoric Acid 48%

EINECS: 231-634-8

CS: 2811 11 00 00

INDEX NR.: 009-003-00-1

Hydrofluoric Acid 40% technical grade

Assay (Acidim.): 40-42 %

CODE

213070

CAS

7664-39-3

MOLECULAR FORMULA

HF

MOLAR MASS

20.01 g/mol

Packs sizes (3)



CODE

CODE

213070.1211

PACKAGING SIZE

PACKAGING SIZE

1000 ml



CODE

213070.1212

PACKAGING SIZE

2.5 l

Product active until stock lasts.



CODE

213070.1214

PACKAGING SIZE

5 l

① Technical data

MELTING POINT:

-44 °C

BOILING POINT:

112 °C

DENSITY:

1.130 kg/l

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

liquid

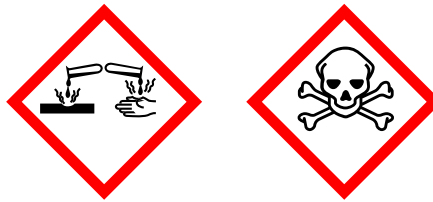
PRODUCT CODE: 213070

PRODUCT NAME: Hydrofluoric Acid 40% technical grade

QUALITY NAME: technical grade

SPECIFICATIONS: Assay (Acidim.): 40-42 %
Fluosilicic acid (F6H2Si): 0.02 %
Sulphuric Acid (H2SO4): 0.01 %

HAZARD PICTOGRAMS



UN: 1790

CLASS/PG: 8(6.1)/II

ADR: 8(6.1)/II

IMDG: 8(6.1)/II

IATA: 8(6.1)/II

WGK: 2

STORAGE: Storage between 15 and 18°C.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS06
GHS05

H PHRASES: H330
H310
H300
H314

P PHRASES: P260
P262

P264
P270
P271
P501
P280
P284
P301+P310
P301+P330+P331
P302+P350
P303+P361+P353
P304+P340
P305+P351+P338
P310
P320
P321
P322
P330
P338
P361
P363
P403+P233
P405

MASTER NAME:	Hydrofluoric Acid 40%
EINECS:	231-634-8
CS:	2811 11 00 00
INDEX NR.:	009-003-00-1

L-Cysteine (DAB) pure, pharma grade

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

CODE

A1425

CAS

52-90-4

MOLECULAR FORMULA

C₃H₇NO₂S

MOLAR MASS

121.16 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1425,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 280 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1425

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

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

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

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-158-2
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CS:	29309013
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L-Cysteine *BioChemica*

Assay (titr.): min. 99 %

CODE

A3694

CAS

52-90-4

MOLECULAR FORMULA

C₃H₇NO₂S

MOLAR MASS

121.16 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

A3694,0100

PACKAGING SIZE

100 g

① Technical data

SOLUBILITY: 280 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A3694

PRODUCT NAME: L-Cysteine *BioChemica*

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

SPECIFICATIONS: Assay (titr.): min. 99 %
 α 20°C/D; 5 %, HCl: +8° - +9.5°
Heavy metals (as Pb): max. 0.001 %
Insoluble matter: passes test
Other amino acids: max. 0.5 %

Ammonium: max. 0.1 %

Chloride: max. 0.02 %

Sulfate: max. 0.02 %

WGK:

1

STORAGE:

RT

EINECS:

200-158-2

CS:

29309013

L-Asparagine 1-hydrate *BioChemica*

Assay (titr.): min. 99 %

CODE

A3721

CAS

5794-13-8

MOLECULAR FORMULA

$C_4H_8N_2O_3 \cdot H_2O$

MOLAR MASS

150.14 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A3721,0100

PACKAGING SIZE
100 g



CODE
A3721,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 30 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A3721

PRODUCT NAME: L-Asparagine 1-hydrate *BioChemica*

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

SPECIFICATIONS: Assay (titr.): min. 99 %

α 20°C/D; 10 %, 3 M HCl: +33.7° - +36°
Heavy metals (as Pb): max. 0.001 %
Other amino acids: max. 0.5 %
Ammonium: max. 0.1 %
Chloride: max. 0.02 %
Sulfate: max. 0.02 %
A (1 cm/0.1 M in HCl)
260 nm: max. 0.2
280 nm: max. 0.1

WGK:

1

STORAGE:

RT

EINECS:

200-735-9

CS:

29241900

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

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

CODE

A1668

CAS

5794-13-8

MOLECULAR FORMULA

$C_4H_8N_2O_3 \cdot H_2O$

MOLAR MASS

150.14 g/mol

Packs sizes (3)



CODE

CODE
A1668,0100

PACKAGING SIZE

PACKAGING SIZE
100 g

Product active until stock lasts.



CODE
A1668,1000

PACKAGING SIZE
1 kg



CODE
A1668,9025

PACKAGING SIZE
25 kg

Technical data

SOLUBILITY: 30 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1668

PRODUCT NAME:	L-Asparagine 1-hydrate (Ph. Eur.) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., dried subst.): 99.0 - 101.0 % α20°C/D; 10 %, 3 N HCl, dried subst.: +33.7° - +36.0° Appearance of solution: passes test Identity: passes test Sulfated ash: max. 0.1 % Loss on drying: 10.5 - 12.5 % pH (2 %; H₂O): 4.0 - 6.0 Ammonium: max. 0.1 % Chloride: max. 0.02 % Sulfate: max. 0.02 % Fe: max. 0.001 % Related subst. (HPLC) Impurity A: max. 0.5 % Impurity C: max. 0.1 % Each unspecified impurity: max. 0.05 % Total impurities: max. 0.8 % Elemental impurities (according to ICH Q3D): Class 1 (Cd): max. 0.5 ppm Class 2B (Au): max. 10 ppm Class 2B (Rh): max. 10 ppm Class 2A (Co): max. 5 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1.5 ppm Class 1 (Hg): max. 1.5 ppm Class 2A (V): max. 10 ppm Class 2A (Ni): max. 20 ppm Class 2B (Tl): max. 1 ppm Class 2B (Pd): max. 10 ppm Class 2B (Ir): max. 10 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 2B (Ag): max. 15 ppm Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm

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

WGK: 1

STORAGE: RT

EINECS: 200-735-9

CS: 29241900

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

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

CODE

A1345

CAS

74-79-3

MOLECULAR FORMULA

C₆H₁₄N₄O₂

MOLAR MASS

174.20 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1345,0500

PACKAGING SIZE
500 g



CODE
A1345,1000

PACKAGING SIZE
1 kg



CODE
A1345,9010

PACKAGING SIZE
10 kg

① Technical data

SOLUBILITY: 150 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1345

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

HAZARD PICTOGRAMS



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

P337+P313

EINECS: 200-811-1

CS: 29224985

L-Histidine base *BioChemica*

Assay (titr.): min. 99 %

CODE

A3738

CAS

71-00-1

MOLECULAR FORMULA

C₆H₉N₃O₂

MOLAR MASS

155.16 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A3738,0100

100 g



CODE

PACKAGING SIZE

A3738,1000

1 kg

Technical data

SOLUBILITY: 42 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A3738

PRODUCT NAME: L-Histidine base *BioChemica*

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

SPECIFICATIONS: Assay (titr.): min. 99 %

α 20°C/D; 11 %, HCl 120 g/l: +11.8° - +12.8°
Heavy metals (as Pb): max. 0.001 %
Insoluble matter: passes test
Other amino acids: max. 0.5 %
Ammonium: max. 0.1 %
Chloride: max. 0.02 %
Sulfate: max. 0.02 %

WGK: 1

STORAGE: RT

EINECS: 200-745-3

CS: 29332990

L-Glutamine for cell culture

Assay (titr.): min. 99 %

CODE

A3704

CAS

56-85-9

MOLECULAR FORMULA

C₅H₁₀N₂O₃

MOLAR MASS

146.15 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A3704,1000

1 kg

① Technical data

SOLUBILITY: 100 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A3704

PRODUCT NAME: L-Glutamine for cell culture

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

SPECIFICATIONS: Endotoxins: max. 6.0 EU/g
Assay (titr.): min. 99 %
α₂₀°C/D; 10 %, 7 % HCl: +31.5° - +33.0°
Other amino acids: max. 0.5 %
Ammonium: max. 0.1 %

Chloride: max. 0.02 %
Sulfate: max. 0.02 %
As: max. 0.0001 %
Fe: max. 0.001 %
Pb: max. 0.001 %

WGK: 1

STORAGE: RT

EINECS: 200-292-1

CS: 29241900

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

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

CODE

A1420

CAS

56-85-9

MOLECULAR FORMULA

C₅H₁₀N₂O₃

MOLAR MASS

146.15 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1420,0250

PACKAGING SIZE
250 g



CODE
A1420,1000

PACKAGING SIZE
1 kg



CODE
A1420,9025

PACKAGING SIZE
25 kg

Technical data

SOLUBILITY: 100 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1420

PRODUCT NAME:	L-Glutamine (DAB, USP) pure, pharma grade
HEADLINE COMMENT:	• All amino acids from AppliChem are of non-animal origin!
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.0 - 101.0 % α20°C/D; 10 %, 2 M HCl, calc. on dried subst.: +31.5° - +33.0° α20°C/D; 4 %, H₂O: +6.3° - +7.3° Appearance of solution: passes test Identity: passes test pH (25 g/L; H₂O): 4.0 - 6.0 Sulfated ash: max. 0.1 % Loss on drying (3 h; 105°C): max. 0.3 % Ninhydrin positive substances: max. 0.5 % Ammonium: max. 0.1 % Chloride: max. 0.02 % Sulfate: max. 0.02 % Fe: max. 0.001 %

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

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

CODE	A1704
CAS	56-86-0
MOLECULAR FORMULA	C ₅ H ₉ NO ₄
MOLAR MASS	147.13 g/mol

Packs sizes (2)



CODE
A1704,1000

PACKAGING SIZE
1 kg



CODE
A1704,9025

PACKAGING SIZE
25 kg

Technical data

SOLUBILITY: 11 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1704

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

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

animal origin!

SPECIFICATIONS:

Assay (titr., calc. on dried subst.): 98.5 - 100.5 %
 α 20°C/D; 10 %, 1 M HCl, calc. on dried subst.:
+30.5° - +32.5°
Appearance of solution: passes test
Identity: passes test
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.1 %
 α 20°C/D; 10 %, 2 M HCl: +31.5° - +32.5°
Ninhydrin positive substances: max. 0.5 %
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.02 %
Fe: max. 0.001 %
Elemental impurities (according to ICH Q3D):
passes test

WGK:

1

STORAGE:

RT

EINECS:

200-293-7

CS:

29224200

L-Cystine (Ph. Eur.) pure, pharma grade

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

CODE

A1703

CAS

56-89-3

MOLECULAR FORMULA

C₆H₁₂N₂O₄S₂

MOLAR MASS

240.30 g/mol

Packs sizes (4)



CODE

CODE
A1703,0100

PACKAGING
SIZE

PACKAGING
SIZE
100 g



CODE
A1703,0500

PACKAGING
SIZE
500 g

Product discontinued. Alternative A1703,0100
(please check specifications).



CODE
A1703,1000

PACKAGING
SIZE
1 kg



CODE
A1703,5000

PACKAGING
SIZE
5 kg

① Technical data

SOLUBILITY:

0.11 g/L (H₂O)

PHYSICAL DESCRIPTION:

Solid

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

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

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

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

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A1440,1000	PACKAGING SIZE 1 kg

① Technical data

SOLUBILITY: 32 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1440

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

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

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
 $\alpha_{20^{\circ}C/D}$; 4 %; 250 g/L HCl; calc. on dried subst.:
+40.0° - +43.0°

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-798-2
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CS:	29224985
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L-Hydroxyproline pure

Assay (titr.): 99.0 - 101.0 %

CODE

A1705

CAS

51-35-4

MOLECULAR FORMULA

C₅H₉NO₃

MOLAR MASS

131.1 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1705,0250

PACKAGING SIZE
250 g

① Technical data

SOLUBILITY: 361 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1705

PRODUCT NAME: L-Hydroxyproline pure

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

SPECIFICATIONS: Assay (titr.): 99.0 - 101.0 %
 α _{20°C/D}; 5 %, H₂O: -74° - -77°
Heavy metals (as Pb): max. 0.001 %
Sulfated ash: max. 0.1 %
Loss on drying: max. 0.2 %

Other amino acids: max. 0.5 %
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.02 %

WGK:	1
STORAGE:	RT

EINECS:	200-091-9
CS:	29339980

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

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

CODE

A1341

CAS

71-00-1

MOLECULAR FORMULA

C₆H₉N₃O₂

MOLAR MASS

155.16 g/mol

Packs sizes (3)



CODE

CODE
A1341,0100

PACKAGING SIZE

PACKAGING SIZE
100 g

Product active until stock lasts.



CODE
A1341,1000

PACKAGING SIZE
1 kg



CODE
A1341,5000

PACKAGING SIZE
5 kg

Technical data

SOLUBILITY: 42 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1341

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-745-3
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CS:	29332990
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L-Histidine Hydrochloride 1-hydrate (Ph. Eur.) pure, pharma grade

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

CODE

A1591

CAS

5934-29-2

MOLECULAR FORMULA

$\text{C}_6\text{H}_9\text{N}_3\text{O}_2 \cdot \text{HCl} \cdot \text{H}_2\text{O}$

MOLAR MASS

209.63 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1591,0100

PACKAGING SIZE
100 g



CODE
A1591,0500

PACKAGING SIZE
500 g



CODE
A1591,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 400 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1591

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

L-Histidine Hydrochloride 1-hydrate

BioChemica

Assay (GC): min. 99 %

CODE

A3733

CAS

5934-29-2

MOLECULAR FORMULA

$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$

MOLAR MASS

209.63 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A3733,0100

100 g

Technical data

SOLUBILITY: 400 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A3733

PRODUCT NAME: L-Histidine Hydrochloride 1-hydrate *BioChemica*

HEADLINE COMMENT:

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

SPECIFICATIONS: Assay (GC): min. 99 %
 α 20°C/D; 10 %, HCl: +9.2° - +10.6°
Heavy metals (as Pb): max. 0.001 %

Insoluble matter: passes test
Other amino acids: max. 0.5 %
Ammonium: max. 0.1 %
Sulfate: max. 0.02 %

WGK: 1

STORAGE: RT

EINECS: 211-438-9

CS: 29332990

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

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

CODE	A1708
CAS	56-45-1
MOLECULAR FORMULA	$C_3H_7NO_3$
MOLAR MASS	105.09 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A1708,0100

PACKAGING SIZE
100 g



CODE
A1708,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 364 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1708

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

HEADLINE COMMENT:

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

SPECIFICATIONS:

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

WGK:

1

STORAGE:RT

EINECS:

200-274-3

CS:29225000

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

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

CODE

A1707

CAS

147-85-3

MOLECULAR FORMULA

C₅H₉NO₂

MOLAR MASS

115.13 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1707,0100

PACKAGING SIZE
100 g



CODE
A1707,1000

PACKAGING SIZE
1 kg



CODE
A1707,9020

PACKAGING SIZE
20 kg

① Technical data

SOLUBILITY: 1500 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1707

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

WGK:	1
STORAGE:	RT

EINECS:	205-702-2
CS:	29339980

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

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

CODE

A1344

CAS

63-91-2

MOLECULAR FORMULA

C₉H₁₁NO₂

MOLAR MASS

165.19 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1344,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 27 g/L

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1344

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

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

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
 α 25°C/D; 2 %, H₂O: -32.7° - -34.7°

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-568-1
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CS:	29224985
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L-Methionine (Ph. Eur., USP) pure, pharma grade

Assay (titr.): 99.0 - 101.0 %

CODE

A1340

CAS

63-68-3

MOLECULAR FORMULA

C₅H₁₁NO₂S

MOLAR MASS

149.21 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A1340,0100

PACKAGING SIZE
100 g



CODE
A1340,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 48 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1340

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

HEADLINE COMMENT:

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

SPECIFICATIONS:

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

WGK:

1

STORAGE:

RT

EINECS:

200-562-9

CS:29304010

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

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

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

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A1426,1000	PACKAGING SIZE 1 kg

① Technical data

SOLUBILITY: 24.5 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1426

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

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

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

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

WGK:	1
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STORAGE:	RT
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EINECS:	200-522-0
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CS:	29224985
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L(+)-Ascorbic Acid powdered *BioChemica*

Assay (titr.): min. 99 %

CODE

A1052

CAS

50-81-7

MOLECULAR FORMULA

C₆H₈O₆

MOLAR MASS

176.13 g/mol

Packs sizes (1)



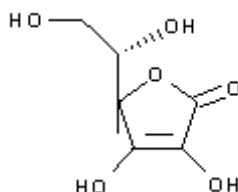
CODE

PACKAGING SIZE

CODE
A1052,1000

PACKAGING SIZE
1 kg

Product active until stock lasts.



① Technical data

SOLUBILITY: 333 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1052

PRODUCT NAME: L(+)-Ascorbic Acid powdered *BioChemica*

SPECIFICATIONS: Assay (titr.): min. 99 %

α 20°C/D; 10 %, H₂O: +20.5° - +21.5°
pH (5 %; H₂O; 20°C): 2.2 - 2.5
Heavy metals (as Pb): max. 0.0005 %
Insoluble matter: passes test
Oxalic acid: max. 0.3 %
Chloride: max. 0.005 %
Sulfate: max. 0.002 %

WGK:

1

STORAGE:

RT

EINECS:

200-066-2

CS:

29362700

L(+)-Ascorbic Acid (E-300, F.C.C.) food grade

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

Assay (as C₆H₁₄O₆) (after drying): 99.0-100.5%

CODE	201013
CAS	50-81-7
MOLECULAR FORMULA	C ₆ H ₈ O ₆
MOLAR MASS	176.13 g/mol

Packs sizes (1)



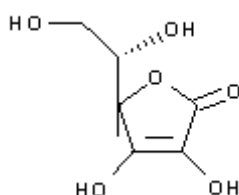
CODE

PACKAGING
SIZE

CODE
201013.0416

PACKAGING
SIZE
25 kg

Product discontinued. Alternative
141013.1214 (please check specifications).



① Technical data

MELTING POINT:	192 °C
SOLUBILITY:	water 333 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	201013
PRODUCT NAME:	L(+)-Ascorbic Acid (E-300, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as C₆H₁₄O₆) (after drying): 99.0-100.5% pH of 2%: 2.4-2.8 Melting range: 189-193°C Specific rotation α_{20/D}: +20.5 - +21.5° Insoluble matter in H₂O at 20°C, not more than: 0.003 % Loss on drying , not more than: 0.4% Residue on ignition , not more than: 0.1 % 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.
WGK:	1
STORAGE:	Storage away from direct light.
MASTER NAME:	L(+)-Ascorbic Acid
SYNONYMS LONG TEXT:	(R)-5-[(S)-1,2-Dihydroxyethyl]-3,4-Dihydroxy-5-(H)-Furan-2-one, Vitamin C
EINECS:	200-066-2
CS:	2936 27 00 00

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

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

CODE

A1677

CAS

60-18-4

MOLECULAR FORMULA

C₉H₁₁NO₃

MOLAR MASS

181.19 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1677,1000

1 kg

① Technical data

SOLUBILITY: 0.4 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1677

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

HEADLINE COMMENT:

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

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 99.0 - 101.0 %
α₂₀°C/D; 5 %, 1 N HCl, calc. on dried subst.: -12.3°
- -11.0°

Appearance of solution: passes test
Identity: passes test
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.3 %
 α 25°C/D; 5 %, 1 N HCl: -11.2° - -9.8°
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
Phenylalanine: max. 0.5 %
Any other ninhydrin-pos. Subst.: max. 0.2 %
Total impurities: max. 0.6 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 2 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-460-4
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CS:	29225000
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L-Tryptophan (Ph. Eur., USP) pure, pharma grade

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

CODE

A1645

CAS

73-22-3

MOLECULAR FORMULA

C₁₁H₁₂N₂O₂

MOLAR MASS

204.23 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A1645,0100

PACKAGING SIZE
100 g



CODE
A1645,0500

PACKAGING SIZE
500 g



CODE
A1645,1000

PACKAGING SIZE
1 kg

① Technical data

SOLUBILITY: 10 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1645

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

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

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

CODE

A1419

CAS

72-19-5

MOLECULAR FORMULA

C₄H₉NO₃

MOLAR MASS

119.12 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1419,1000

1 kg

① Technical data

SOLUBILITY: 90 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1419

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

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

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 99.0 - 101.0 %
α₂₀°C/D; 6 %, H₂O, calc. on dried subst.: -27.6° - -29.0°

Appearance of solution: passes test
Identity: passes test
pH (2.5 %; H₂O): 5.0 - 6.5
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.2 %
 α 25°C/D; 6 %, H₂O: -26.7° - -29.1°
pH (5 %; H₂O): 5.0 - 6.5
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
each individual impurity: max. 0.2 %
Total impurities: max. 0.5 %
Ninhydrin positive substances (TLC)
Each individual impurity: max. 0.5 %
Total impurities: max. 2 %

WGK:

1

STORAGE:

RT

EINECS:

200-774-1

CS:

29225000

L(+)-Lactic Acid for analysis

(S)-2-Hydroxypropanoic Acid

Minimum assay (Acidim.): 85.0%

CODE	121034
CAS	79-33-4
MOLECULAR FORMULA	C ₃ H ₆ O ₃
MOLAR MASS	90.08 g/mol

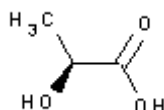
Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 121034.1211	PACKAGING SIZE 1000 ml
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Product active until stock lasts.



① Technical data

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

PRODUCT CODE: 121034

PRODUCT NAME: L(+)-Lactic Acid for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay (Acidim.): 85.0%

Maximum limit of impurities

Insoluble matter in H₂O: passes test
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): 0.02 %
Chloride (Cl): 0.001%
Sulfate (SO₄): 0.002%
Heavy metals (as Pb): 0.0005%
As: 0.00001 %
Cu: 0.0005 %
Fe: 0.0002 %
Ni: 0.0005 %
Pb: 0.0005 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314

P PHRASES: P264
P280
P302+P352
P305+P351+P338
P321
P501
P332+P313

P337+P313

P362

MASTER NAME:

L(+)-Lactic Acid

SYNONYMS LONG TEXT:

(S)-2-Hydroxypropanoic Acid

EINECS:

201-196-2

CS:

2918 11 00 00

L(+)-Lactic Acid (F.C.C.) food grade

(S)-2-Hydroxypropanoic Acid

Assay (as C₃H₆O₃) , not less than: 85.0%

CODE 201034

CAS 79-33-4

MOLECULAR FORMULA C₃H₆O₃

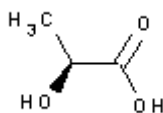
MOLAR MASS 90.08 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 201034.1214 PACKAGING SIZE 5 l



① Technical data

MELTING POINT: 18 °C

BOILING POINT: 122 °C

DENSITY: 1.20 kg/l

REFRACTIVE INDEX: 20/D 1.4251

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	201034
PRODUCT NAME:	L(+)-Lactic Acid (F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as C₃H₆O₃) , not less than: 85.0% Residue on ignition , not more than: 0.1 % Chloride (Cl) , not more than: 0.02% Sulfate (SO₄) , not more than: 0.05% Citric, Oxalic, Phosphoric, or Tartaric Acids: passes test Sugars and other reducing substances: passes test Cyanide, not more than: 5 ppm Arsenic (as As), not more than: 3 ppm Iron, not more than: 10 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 0.5 ppm Heavy metals (as Pb) , not more than: 10 ppm Specifications F.C.C. 12 For use in foodstuffs according to F.C.C.

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321

P501
P332+P313
P337+P313
P362

MASTER NAME:	L(+)-Lactic Acid
SYNONYMS LONG TEXT:	(S)-2-Hydroxypropanoic Acid
EINECS:	201-196-2
CS:	2918 11 00 00

L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade

(S)-2-Hydroxypropanoic Acid

Assay (C₃H₆O₃): 88.0-92.0 %

CODE	141034
CAS	79-33-4
MOLECULAR FORMULA	C ₃ H ₆ O ₃
MOLAR MASS	90.08 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
141034.1211

PACKAGING SIZE
1000 ml



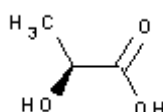
CODE
141034.1214

PACKAGING SIZE
5 l



CODE
141034.0716

PACKAGING SIZE
25 l



 Technical data

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

PRODUCT CODE:	141034
PRODUCT NAME:	L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (C₃H₆O₃): 88.0-92.0 % Minimum assay (as S-enantiomer): 95.0 % del C₃H₆O₃ Identity according to Pharmacopoeias:: passes test Density 20/20: 1.20-1.21 Maximum limit of impurities Appearance: passes test Insoluble matter in Ether-insoluble substances: passes test Insoluble matter in H₂O: passes test Darkened substances by H₂SO₄: passes test Residue on ignition (as SO₄): 0.05 % Chloride (Cl): 0.002% Sulfate (SO₄): 0.002% Residual solvents (Ph.Eur.): passes test Citric, oxalic and phosphoric acids: passes test Volatile fatty acids: passes test Sugars and other reducing substances: passes test Ca: 0.02 %

HAZARD PICTOGRAMS



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

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

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

Assay (Iodom.): 99.0-100.5%

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

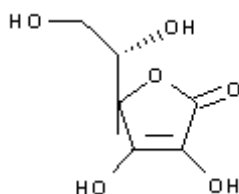
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 141013.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
141013.1214	5 kg



① Technical data

MELTING POINT: 192 °C

SOLUBILITY:	water 333 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	141013
PRODUCT NAME:	L(+)-Ascorbic Acid (USP, BP, Ph. Eur.) pharma grade, BioChemica
QUALITY NAME:	pharma grade, BioChemica
SPECIFICATIONS:	Assay (Iodom.): 99.0-100.5% Identity according to Pharmacopoeias:: passes test pH of 5% solution: 2.2 - 2.5 Specific rotation α 20/D c=10 (in H₂O): +20.5 - +21.5° Maximum limit of impurities Appearance of solution: passes test Insoluble matter in H₂O: passes test Residue on ignition (as SO₄): 0.1 % Chloride (Cl): 0.005% Sulfate (SO₄): 0.002% Related substances:: passes test L-Sorbosonic Acid: 0.1% Methyl-L-Sorbosonate: 0.15% Other impurities: 0.10% Total impurities: 0.2% Residual solvents (Ph.Eur/USP): passes test Oxalic acid: 0.2% Heavy Metals (ICP-OES): 0.001 % Cu: 0,0005 % Fe: 0,0002 %
WGK:	1
STORAGE:	Storage away from direct light.
MASTER NAME:	L(+)-Ascorbic Acid
SYNONYMS LONG TEXT:	(R)-5-[(S)-1,2-Dihydroxyethyl]-3,4-Dihydroxy-5-(H)-

EINECS:

Furan-2-one, Vitamin C
200-066-2

CS:

2936 27 00 00

L(+)-Ascorbic Acid (Reag. USP) for analysis, ACS

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

Minimum assay (Iodom.): 99.0%

CODE	131013
CAS	50-81-7
MOLECULAR FORMULA	C ₆ H ₈ O ₆
MOLAR MASS	176.13 g/mol

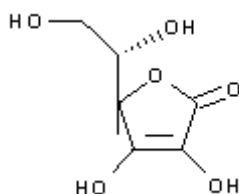
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 131013.1208	PACKAGING SIZE 100 g



CODE	PACKAGING SIZE
CODE 131013.1211	PACKAGING SIZE 1000 g



① Technical data

MELTING POINT: 192 °C

SOLUBILITY:	water 333 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	131013
PRODUCT NAME:	L(+)-Ascorbic Acid (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Iodom.): 99.0% Identity: IR passes test Melting range: 188-192 °C Specific rotation α 20/D c=10 (in H₂O): +20.5 - +21.5° Maximum limit of impurities Insoluble matter in H₂O: 0.01 % Loss on drying at 105°C: 0.1% Residue on ignition (as SO₄): 0.1 % Chloride (Cl): 0.005% Sulfate (SO₄): 0.002% Heavy Metals (ICP-OES): 0.001 % Cu: 0.0002 % Fe: 0.0002 % Ni: 0.001 % Pb: 0.001 %
WGK:	1
STORAGE:	Storage away from direct light.
MASTER NAME:	L(+)-Ascorbic Acid
SYNONYMS LONG TEXT:	(R)-5-[(S)-1,2-Dihydroxyethyl]-3,4-Dihydroxy-5-(H)-Furan-2-one, Vitamin C
EINECS:	200-066-2
CS:	2936 27 00 00

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

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

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

CODE

141882

CAS

110-16-7

MOLAR MASS

116.07 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141882.1211

1000 g

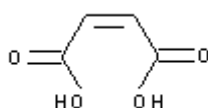


CODE

PACKAGING SIZE

141882.0416

25 kg



Technical data

MELTING POINT:

139 °C

SOLUBILITY:

water 788 g/l at 25 °C

PHYSICAL DESCRIPTION:

solid

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

Maximum limit of impurities

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

HAZARD PICTOGRAMS



UN:	3261
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H302

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

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

Magnesium Hydroxide (E-528, F.C.C.) food grade

Magnesium Hydrate

Assay (as Mg(OH)₂) (a.d.s.): 95.0 - 100.5 %

CODE	201840
CAS	1309-42-8
MOLECULAR FORMULA	Mg(OH) ₂
MOLAR MASS	58.33 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 201840.0416	PACKAGING SIZE 25 kg

Technical data

MELTING POINT:	350 °C
SOLUBILITY:	Insoluble in water.Soluble in diluted acids.
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	201840
PRODUCT NAME:	Magnesium Hydroxide (E-528, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as Mg(OH) ₂) (a.d.s.): 95.0 - 100.5 %

Identity
Alkali: passes test
Magnesium: passes test
Appearance: passes test
Loss on ignition , not more than: 30.0 - 33.0 %
Loss on drying at 105°C , not more than: 2.0 %
Calcium Oxide (CaO), not more than: 1 %
Free Alkalis and soluble salts , not more than: 2 %
Arsenic (As), not more than: 3 ppm
Lead, not more than: 2 ppm
For use in foodstuffs according to Regulation (EC)
n° 1333/2008 and F.C.C.
Specifications Regulation (UE) n° 231/2012, F.C.C.
12, R.D. 1466/2009

HAZARD PICTOGRAMS



WGK:	nwg
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: Magnesium Hydroxide

SYNONYMS LONG TEXT: Magnesium Hydrate

EINECS: 215-170-3

CS: 2816 10 00 00

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

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

CODE

A1637

CAS

72-18-4

MOLECULAR FORMULA

C₅H₁₁NO₂

MOLAR MASS

117.15 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1637,1000

1 kg

① Technical data

SOLUBILITY: 85 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A1637

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

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

SPECIFICATIONS: Assay (titr., calc. on dried subst.): 98.5 - 101.0 %
α_{20°C/D}; 8 %, 250 g/L HCl, calc. on dried subst.:
+26.5° - +29.0°

Appearance of solution: passes test
Identity: passes test
pH (5 %; H₂O): 5.5 - 7.0
Heavy metals (as Pb): max. 0.0015 %
Sulfated ash: max. 0.1 %
Loss on drying (3 h; 105°C): max. 0.3 %
 α 25°C/D; 8 %, 6 M HCl: +26.6° - +28.8°
Ammonium: max. 0.02 %
Chloride: max. 0.02 %
Sulfate: max. 0.03 %
Fe: max. 0.001 %
Ninhydrin positive substances (HPLC)
Isoleucine: max. 0.4 %
Any other ninhydrin-pos. Subst.: max. 0.2 %
Total impurities: max. 1.0 %
Related subst. (TLC)
Any unspecified impurity: max. 0.2 %
Sum of other amino acids: max. 1.0 %
Isoleucine: max. 0.2 %

WGK:	1
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STORAGE:	RT
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EINECS:	200-773-6
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CS:	29224985
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L-Tyrosine for cell culture

Assay (titr.): min. 99 %

CODE

A3401

CAS

60-18-4

MOLECULAR FORMULA

C₉H₁₁NO₃

MOLAR MASS

181.19 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

A3401,1000

PACKAGING SIZE

1 kg

Product active until stock lasts.

① Technical data

SOLUBILITY:

0.4 g/L (H₂O)

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A3401

PRODUCT NAME:

L-Tyrosine for cell culture

HEADLINE COMMENT:

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

SPECIFICATIONS:

Pyrogen test: passes test

Assay (titr.): min. 99 %

α20°C/D; 5 %, 1 N HCl, calc. on dried subst.: -12.3°
- -11.0°

Other amino acids: max. 0.5 %

Ammonium: max. 0.1 %

Chloride: max. 0.02 %

Sulfate: max. 0.02 %

As: max. 0.0001 %

Fe: max. 0.001 %

Pb: max. 0.001 %

WGK: 1

STORAGE: RT

EINECS: 200-460-4

CS: 29225000

L(+)-Tartaric Acid (Reag. USP) for analysis, ACS

(2R, 3R)-(+)-Tartaric Acid, 2,3-Dihydroxybutanedioic Acid

Minimum assay (Acidim.): 99.0%

CODE 131066

CAS 87-69-4

MOLECULAR FORMULA $(\text{CHOH})_2(\text{COOH})_2$

MOLAR MASS 150.09 g/mol

Packs sizes (1)



CODE

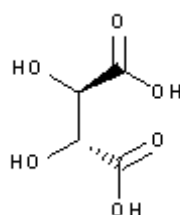
PACKAGING SIZE

CODE

PACKAGING SIZE

131066.1211

1000 g



① Technical data

MELTING POINT: 170 °C

SOLUBILITY: water 1,390 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	131066
PRODUCT NAME:	L(+)-Tartaric Acid (Reag. USP) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (Acidim.): 99.0% Identity: IR passes test Specific rotation α 20/D c=10 (in H₂O): +12.0 - +14.0° Maximum limit of impurities Insoluble matter in H₂O: 0.005 % Loss on drying at 105°C: 0.5% Residue on ignition (as SO₄): 0.01 % Chloride (Cl): 0.0005% Sulfur compounds (as SO₄): 0.002 % Phosphate (PO₄): 0.001 % Oxalate (C₂O₄): 0.03% Heavy metals (as Pb): 0.0005% As: 0.00002 % Ca: 0.002 % Cu: 0.0005 % Fe: 0.0005 % Mg: 0.002 % Ni: 0.0005 % Pb: 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:	L(+)-Tartaric Acid
SYNONYMS LONG TEXT:	(2R, 3R)-(+)-Tartaric Acid, 2,3-Dihydroxybutanedioic Acid
EINECS:	201-766-0
CS:	2918 12 00 00

Nicotinic Acid (Ph. Eur., USP) pure, pharma grade

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

CODE

A0963

CAS

59-67-6

MOLECULAR FORMULA

C₆H₅NO₂

MOLAR MASS

123.11 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
A0963,0100

PACKAGING SIZE
100 g



CODE
A0963,0250

PACKAGING SIZE
250 g



CODE
A0963,1000

PACKAGING SIZE
1 kg

Technical data

SOLUBILITY: 18 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: A0963

PRODUCT NAME:	Nicotinic Acid (Ph. Eur., USP) pure, pharma grade
SPECIFICATIONS:	Assay (titr., calc. on dried subst.): 99.5 - 100.5 % Assay (HPLC, calc. on dried subst.): 98.0 - 102.0 % Identity: passes test Sulfated ash: max. 0.1 % Loss on drying (1 h; 105°C): max. 1.0 % Related subst.: passes test Chloride: max. 0.02 % Sulfate: max. 0.02 % Elemental impurities (according to ICH Q3D): passes test

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P280 P305+P351+P338 P337+P313
EINECS:	200-441-0
CS:	29362900

Nalidixic acid *BioChemica*

Assay (titr.): min. 99 %

CODE

A1894

CAS

389-08-2

MOLECULAR FORMULA

C₁₂H₁₂N₂O₃

MOLAR MASS

232.24 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1894,0100

PACKAGING SIZE
100 g

① Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1894

PRODUCT NAME:

Nalidixic acid *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 99 %
Solubility (2 %; CHCl₃): clear
Sulfated ash: max. 0.1 %
Loss on drying: max. 0.5 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT protected from light
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS08
H PHRASES:	H302+H332 H334 H373
P PHRASES:	P260 P284 P301+P312 P304+P340 P342+P311 P501
EINECS:	206-864-7
CS:	29339980

n-Butyric Acid, 99% for synthesis

Butanoic Acid, Ethylacetic Acid

Minimum assay (G.C.): 99%

CODE	15A689
CAS	107-92-6
MOLECULAR FORMULA	$C_4H_8O_2$
MOLAR MASS	88.11 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 15A689.1611	PACKAGING SIZE 1000 ml
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Product active until stock lasts.

Technical data

MELTING POINT: -4.5 °C

BOILING POINT: 165.5 °C

DENSITY: 0.957 kg/l

REFRACTIVE INDEX: 20/D 1.398

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 15A689

PRODUCT NAME: n-Butyric Acid, 99% for synthesis

QUALITY NAME: for synthesis

SPECIFICATIONS:

Minimum assay (G.C.): 99%
Identity: IR passes test
Density 20/4: 0.956-0.958
Water (H₂O): 0.2 %

HAZARD PICTOGRAMS



UN:	2820
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	n-Butyric Acid
SYNONYMS LONG TEXT:	Butanoic Acid, Ethylacetic Acid
EINECS:	203-532-3
CS:	2915 60 19 90
INDEX NR.:	607-135-00-X

Malonic Acid for synthesis

Assay (titr.): min. 99 %

CODE

167082

CAS

141-82-2

MOLECULAR FORMULA

$C_3H_4O_4$

MOLAR MASS

104.06 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

167082.1211

PACKAGING SIZE

1 kg

① Technical data

SOLUBILITY: 735 g/L (H₂O)

PHYSICAL DESCRIPTION: Solid

PRODUCT CODE: 167082

PRODUCT NAME: Malonic Acid for synthesis

SPECIFICATIONS: Assay (titr.): min. 99 %
Identity (IR): passes test

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07
H PHRASES:	H302 H318
P PHRASES:	P280 P301+P312 P305+P351+P338 P310 P330 P501

EINECS:	205-503-0
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CS:	29171910
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meta-Phosphoric Acid stabilized with NaPO₃ (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (as HPO₃): 33.5-36.5 %

CODE	135324
CAS	37267-86-0
MOLECULAR FORMULA	(HPO ₃) _n
MOLAR MASS	79.98 (n) g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 135324.1209	PACKAGING SIZE 250 g

Technical data

SOLUBILITY: Soluble in water.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 135324

PRODUCT NAME: meta-Phosphoric Acid stabilized with NaPO₃
(Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Assay (as HPO₃): 33.5-36.5 %

Maximum limit of impurities

Reducing substances of KMnO_4 (en H_3PO_3): 0.01 %

Chloride (Cl): 0.001%

Sulfate (SO_4): 0.005%

Stabilizer (NaPO_3): 57.0-63.0 %

Nitrate (NO_3): 0.001%

Heavy metals (as Pb): 0.005%

As: 0.0001 %

Cd: 0.001 %

Co: 0.0005 %

Cu: 0.001 %

Fe: 0.005 %

Mn: 0.0005 %

Ni: 0.001 %

Pb: 0.001 %

Zn: 0.001 %

HAZARD PICTOGRAMS



UN:	3260
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260

P264
P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	meta-Phosphoric Acid *stabilized with NaPO3
EINECS:	253-433-4
CS:	2809 20 00 00

Nitric Acid 69% (max. 0.0000005% Hg) for analysis

Assay (Acidim.): 68.0-70.0 %

CODE 471037

CAS 7697-37-2

MOLECULAR FORMULA HNO_3

MOLAR MASS 63.01 g/mol

Packs sizes (2)



CODE

CODE
471037.1611

PACKAGING
SIZE

PACKAGING
SIZE
1000 ml

Product active until stock lasts.



CODE

471037.1612

PACKAGING
SIZE
2.5 l

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

① Technical data

MELTING POINT: ~ - 32 °C

BOILING POINT: 122 °C

DENSITY: 1.411 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 471037

PRODUCT NAME: Nitric Acid 69% (max. 0.0000005% Hg) for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Assay (Acidim.): 68.0-70.0 %

Maximum limit of impurities

APHA colour: 10
Reducing substance to KMnO₄: passes test
Residue on ignition (as SO₄): 0.0005 %
Chloride (Cl): 0.00005%
Phosphate (PO₄): 0.0001 %
Sulfate (SO₄): 0.0002%
Nitrite (NO₂): 0.0005%
Hg: 0.0000005%
Heavy metals (as Pb): 0.00002%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02
Al: 0.05
As: 0.01
Au: 0.1
B: 0.05
Ba: 0.02
Be: 0.02
Bi: 0.05
Ca: 0.5
Cd: 0.01
Co: 0.02
Cr: 0.1
Cu: 0.01
Fe: 0.2
Ga: 0.05
Ge: 0.02
In: 0.05
K: 0.1
Li: 0.02
Mg: 0.1
Mn: 0.01
Mo: 0.02
Na: 0.5
Ni: 0.05
Pb: 0.02

Pt: 0.1
Sb: 0.02
Si: 0.1
Sn: 0.05
Sr: 0.02
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.05
Zr: 0.05

HAZARD PICTOGRAMS



UN: 2031

CLASS/PG: 8(5.1)/II

ADR: 8(5.1)/II

IMDG: 8(5.1)/II

IATA: 8(5.1)/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS03
GHS06

H PHRASES: H314
H272
H290
H331
EUH071

P PHRASES: P210
P220
P221

P260
P264
P501
P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P338
P363
P370+P378
P405

MASTER NAME:	Nitric Acid 69%
EINECS:	231-714-2
CS:	2808 00 00 00
INDEX NR.:	007-004-00-1

Nitric Acid 53% for analysis

Assay (Acidim.): 53-54 %

CODE	121737
CAS	7697-37-2
MOLECULAR FORMULA	HNO ₃
MOLAR MASS	63.01 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 121737.1611	PACKAGING SIZE 1000 ml
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Product active until stock lasts.

Technical data

DENSITY: 1.333 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 121737

PRODUCT NAME: Nitric Acid 53% for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Assay (Acidim.): 53-54 %
Density 20/4: 1.330-1.335

Maximum limit of impurities

APHA colour: 10

Reducing substance to KMnO₄: passes test

Residue on ignition (as SO₄): 0.0005 %

Chloride (Cl): 0.00005%

Phosphate (PO₄): 0.0001 %

Sulfate (SO₄): 0.0002%

Nitrite (NO₂): 0.0005%

As: 0.000001 %

Heavy metals (as Pb): 0.00002%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.02

Al: 0.05

Au: 0.1

B: 0.05

Ba: 0.02

Be: 0.02

Bi: 0.05

Ca: 0.5

Cd: 0.01

Co: 0.02

Cr: 0.1

Cu: 0.01

Fe: 0.2

Ga: 0.05

Ge: 0.02

Hg: 0.1

In: 0.05

K: 0.1

Li: 0.02

Mg: 0.1

Mn: 0.01

Mo: 0.02

Na: 0.5

Ni: 0.05

Pb: 0.02

Pt: 0.1

Sb: 0.02

Si: 0.1

Sn: 0.05

Sr: 0.02

Ti: 0.05

Tl: 0.02

V: 0.02

Zn: 0.05

Zr: 0.05

HAZARD PICTOGRAMS



UN:	2031
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 EUH071
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME: Nitric Acid 53%

EINECS: 231-714-2

CS: 2808 00 00 00

INDEX NR.: 007-004-00-1

Nitric Acid 2 mol/l (2N) volumetric solution

CODE	182112
CAS	7697-37-2
MOLECULAR FORMULA	HNO ₃
MOLAR MASS	63.01 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182112.1611	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.07 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182112

PRODUCT NAME: Nitric Acid 2 mol/l (2N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2031
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 H318 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Nitric Acid 2 mol/l *(2N)
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EINECS: 231-714-2

CS: 2808 00 00 00

INDEX NR.: 007-004-00-1

Nitric Acid 1 mol/l (1N) volumetric solution

CODE	181039
CAS	7697-37-2
MOLECULAR FORMULA	HNO ₃
MOLAR MASS	63.01 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 181039.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 181039.1215	PACKAGING SIZE 10 l

① Technical data

MELTING POINT:	~ - 10 °C
BOILING POINT:	101 °C
DENSITY:	1.036 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	181039
PRODUCT NAME:	Nitric Acid 1 mol/l (1N) volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	2031
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321

P338

P363

P405

MASTER NAME: Nitric Acid 1 mol/l *(1N)

EINECS: 231-714-2

CS: 2808 00 00 00

INDEX NR.: 007-004-00-1

Nitric Acid 0.1 mol/l (0.1N) volumetric solution

CODE	181040
CAS	7697-37-2
MOLECULAR FORMULA	HNO ₃
MOLAR MASS	63.01 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 181040.1611	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.002 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181040

PRODUCT NAME: Nitric Acid 0.1 mol/l (0.1N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

UN:	2031
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.

MASTER NAME:	Nitric Acid 0,1 mol/l (0,1N)
EINECS:	231-714-2
CS:	2808 00 00 00

Nitric Acid 69% technical grade

Assay (Acidim.): 68 - 70 %

CODE

211037

CAS

7697-37-2

MOLECULAR FORMULA

HNO_3

MOLAR MASS

63.01 g/mol

Packs sizes (4)



CODE

CODE
211037.1611

PACKAGING SIZE

PACKAGING SIZE
1000 ml



CODE

211037.1212

PACKAGING SIZE

2.5 l



CODE

211037.1214

PACKAGING SIZE

5 l

Product active until stock lasts.



CODE

211037.0716

PACKAGING SIZE

25 l

① Technical data

MELTING POINT:

~ - 32 °C

BOILING POINT:

122 °C

DENSITY: 1.411 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 211037

PRODUCT NAME: Nitric Acid 69% technical grade

QUALITY NAME: technical grade

SPECIFICATIONS: Assay (Acidim.): 68 - 70 %
Chloride (Cl): 0.005 %
Sulfate (SO₄): 0.005 %

HAZARD PICTOGRAMS



UN: 2031

CLASS/PG: 8(5.1)/II

ADR: 8(5.1)/II

IMDG: 8(5.1)/II

IATA: 8(5.1)/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS03
GHS06

H PHRASES: H314
H272
H290
H331

	EUH071
P PHRASES:	P210
	P220
	P221
	P260
	P264
	P501
	P280
	P301+P330+P331
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P310
	P321
	P338
	P363
	P370+P378
	P405

MASTER NAME:	Nitric Acid 69%
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EINECS:	231-714-2
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CS:	2808 00 00 00
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INDEX NR.:	007-004-00-1
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Nitric Acid 69% for trace metal analysis (ppt)

Assay (Acidim.): 67-69 %

CODE

711037

CAS

7697-37-2

MOLECULAR FORMULA

HNO₃

MOLAR MASS

63.01 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 711037.0009	PACKAGING SIZE 250 ml	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.
	CODE 711037.0010	PACKAGING SIZE 500 ml	

① Technical data

MELTING POINT:	~ - 32 °C
BOILING POINT:	122 °C
DENSITY:	1.411 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE: 711037

PRODUCT NAME: Nitric Acid 69% for trace metal analysis (ppt)

QUALITY NAME: for trace metal analysis (ppt)

SPECIFICATIONS: Assay (Acidim.): 67-69 %

Maximum limit of impurities

Metals by ICP (in ppt)

Ag: 10
Al: 20
As: 20
Au: 20
B: 10
Ba: 10
Be: 10
Bi: 10
Ca: 10
Cd: 10
Ce: 10
Co: 10
Cr: 10
Cs: 10
Cu: 10
Dy: 1
Er: 1
Eu: 1
Fe: 10
Ga: 10
Gd: 1
Ge: 10
Hf: 10
Hg: 50
Ho: 1
In: 1
K: 10
La: 1
Li: 10
Lu: 1
Mg: 10
Mn: 10
Mo: 10
Na: 10
Nb: 1

Nd: 1
Ni: 20
Pb: 10
Pd: 20
Pr: 1
Pt: 20
Rb: 10
Re: 10
Rh: 10
Ru: 20
Sb: 10
Sc: 10
Sm: 1
Sn: 20
Sr: 10
Tb: 1
Te: 1
Th: 1
Ti: 10
Tl: 10
Tm: 1
U: 1
V: 10
W: 10
Y: 1
Yb: 1
Zn: 10
Zr: 10

HAZARD PICTOGRAMS



UN: 2031

CLASS/PG: 8(5.1)/II

ADR: 8(5.1)/II

IMDG: 8(5.1)/II

IATA: 8(5.1)/II

WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS03 GHS06
H PHRASES:	H314 H272 H290 H331 EUH071
P PHRASES:	P210 P220 P221 P260 P264 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P370+P378 P405

MASTER NAME:	Nitric Acid 69%
EINECS:	231-714-2
CS:	2808 00 00 00
INDEX NR.:	007-004-00-1

Nitric Acid 69% for trace metal analysis (ppm)

Assay (Acidim.): 68-70 %

CODE	381037
CAS	7697-37-2
MOLECULAR FORMULA	HNO ₃
MOLAR MASS	63.01 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
381037.1611	1000 ml

Product active until stock lasts.

Technical data

MELTING POINT: ~ - 32 °C

BOILING POINT: 122 °C

DENSITY: 1.411 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 381037

PRODUCT NAME: Nitric Acid 69% for trace metal analysis (ppm)

QUALITY NAME: for trace metal analysis (ppm)

SPECIFICATIONS: Assay (Acidim.): 68-70 %

Maximum limit of impurities

Residue on ignition (as SO₄): 0.0002 %

Chloride (Cl): 0.00005%

Phosphate (PO₄): 0.000001 %

Sulfate (SO₄): 0.00002%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0.001

Al: 0.02

As: 0.001

Au: 0.005

Ba: 0.005

Be: 0.001

Bi: 0.005

Ca: 0.1

Cd: 0.001

Co: 0.001

Cr: 0.02

Cu: 0.005

Fe: 0.1

Ga: 0.005

Ge: 0.005

Hg: 0.002

In: 0.002

K: 0.05

Li: 0.001

Mg: 0.02

Mn: 0.002

Mo: 0.001

Na: 0.3

Ni: 0.01

Pb: 0.005

Sn: 0.02

Sr: 0.001

Ti: 0.001

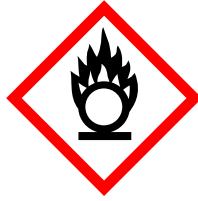
Tl: 0.001

V: 0.001

Zn: 0.01

Zr: 0.001

HAZARD PICTOGRAMS



UN:	2031
CLASS/PG:	8(5.1)/II
ADR:	8(5.1)/II
IMDG:	8(5.1)/II
IATA:	8(5.1)/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS03 GHS06
H PHRASES:	H314 H272 H290 H331 EUH071
P PHRASES:	P210 P220 P221 P260 P264 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321

P338
P363
P370+P378
P405

MASTER NAME: Nitric Acid 69%

EINECS: 231-714-2

CS: 2808 00 00 00

INDEX NR.: 007-004-00-1

Nitric Acid 69% for trace metal analysis (ppb)

Assay (Acidim.): 67-69 %

CODE

721037

CAS

7697-37-2

MOLECULAR FORMULA

HNO₃

MOLAR MASS

63.01 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
721037.0010

PACKAGING SIZE
500 ml



CODE
721037.0011

PACKAGING SIZE
1000 ml



CODE
721037.0012

PACKAGING SIZE
2.5 l

① Technical data

MELTING POINT: ~ - 32 °C

BOILING POINT: 122 °C

DENSITY: 1.411 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	721037
PRODUCT NAME:	Nitric Acid 69% for trace metal analysis (ppb)
QUALITY NAME:	for trace metal analysis (ppb)
SPECIFICATIONS:	Assay (Acidim.): 67-69 %

Maximum limit of impurities

APHA colour: 10

Chloride (Cl): 0.00002%

Total Sulfur: 0.00003%

Total Phosphorus: 0.000001%

Metals by ICP (ppb)

Ag: 0.1

Al: 1

As: 0.5

Au: 0.1

B: 1

Ba: 0.1

Be: 0.1

Bi: 0.1

Ca: 1

Cd: 0.5

Ce: 0.1

Co: 0.5

Cr: 1

Cs: 0.1

Cu: 0.5

Dy: 0.1

Er: 0.1

Eu: 0.1

Fe: 1

Ga: 0.1

Gd: 0.1

Ge: 0.1

Hf: 0.1

Hg: 0.1

Ho: 0.1

In: 0.1

K: 1

La: 0.1
Li: 0.1
Lu: 0.1
Mg: 1
Mn: 0.1
Mo: 0.1
Na: 1
Nb: 0.1
Nd: 0.1
Ni: 0.5
Pb: 0.1
Pd: 0.5
Pr: 0.1
Pt: 0.5
Rb: 0.1
Re: 0.1
Rh: 0.5
Ru: 0.5
Sb: 0.5
Sc: 0.1
Se: 1
Sm: 0.1
Sn: 0.5
Sr: 0.1
Tb: 0.1
Te: 0.1
Th: 0.1
Ti: 0.5
Tl: 0.1
Tm: 0.1
U: 0.1
V: 0.5
W: 0.1
Y: 0.1
Yb: 0.1
Zn: 0.5
Zr: 0.1

HAZARD PICTOGRAMS



UN:	2031
CLASS/PG:	8(5.1)/II
ADR:	8(5.1)/II
IMDG:	8(5.1)/II
IATA:	8(5.1)/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS03 GHS06
H PHRASES:	H314 H272 H290 H331 EUH071
P PHRASES:	P210 P220 P221 P260 P264 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P370+P378 P405

MASTER NAME:

Nitric Acid 69%

EINECS: 231-714-2

CS: 2808 00 00 00

INDEX NR.: 007-004-00-1

ortho-Phosphoric acid (1.33 M)

CODE

A8582

CAS

7664-38-2

Packs sizes (1)



CODE

CODE
A8582,9025

PACKAGING
SIZE

PACKAGING
SIZE
25 L

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

Technical data

PRODUCT CODE: A8582

PRODUCT NAME: ortho-Phosphoric acid (1.33 M)

SPECIFICATIONS: Factor limits: 0.995 - 1.005

HAZARD PICTOGRAMS



UN: 1805

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK:	1
STORAGE:	RT
SIGNAL WORD:	Attention
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H315 H319
P PHRASES:	P280 P305+P351+P338 P332+P313 P337+P313 P362+P364 P406

EINECS:	231-633-2
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CS:	28092000
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Oleic Acid (Ph. Eur.) pure, pharma grade

(Z)-9-Octadecenoic Acid

Assay Ph. Eur. (G.C.): 65.0 - 88.0 %

CODE 142659

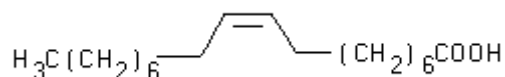
CAS 112-80-1

MOLECULAR FORMULA $C_{18}H_{34}O_2$

MOLAR MASS 282.47 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 142659.1611	PACKAGING SIZE 1000 ml	
	CODE 142659.1612	PACKAGING SIZE 2,5 l	Product active until stock lasts.
	CODE 142659.0716	PACKAGING SIZE 25 l	



① Technical data

MELTING POINT: 4 °C

BOILING POINT: 286 °C

DENSITY: 0.890 kg/l

SOLUBILITY: Insoluble in water

REFRACTIVE INDEX: 18/D 1.463

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 142659

PRODUCT NAME: Oleic Acid (Ph. Eur.) pure, pharma grade

QUALITY NAME: pure, pharma grade

HEADLINE COMMENT: Animal origin

SPECIFICATIONS: Assay Ph. Eur. (G.C.): 65.0 - 88.0 %
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance (Residue on ignition (as SO₄): 0.1 %

Acidity value: 196-204

Iodine value: 89-105

Peroxide value: 10.0

Residual solvents (Ph.Eur.): passes test

Composition of fatty acids:

Myristic acid: 5.0 %

Palmitic acid: 16.0 %

Palmitoleic acid: 8.0 %

Stearic acid: 6.0 %

Linoleic acid: 18.0 %

Linolenic acid: 4.0 %

Fatty acids with chain length greater than C18: 4.0 %

Margaric acid: 4.0 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H315 H335
P PHRASES:	P261 P264 P271 P280 P302+P352 P501 P304+P340 P305+P351+P338 P312 P321 P332+P313 P337+P313 P362 P403+P233 P405

MASTER NAME:	Oleic Acid
SYNONYMS LONG TEXT:	(Z)-9-Octadecenoic Acid
EINECS:	204-007-1
CS:	2916 15 00 00

Nitric Acid fuming (Reag. Ph. Eur.) for analysis

Minimum assay (Acidim.): 99.5%

CODE	121038
CAS	7697-37-2
MOLECULAR FORMULA	HNO ₃
MOLAR MASS	63.01 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 121038.2411	PACKAGING SIZE 1000 ml

① Technical data

MELTING POINT:	-40 °C
BOILING POINT:	84 °C
DENSITY:	1.502 kg/l
PHYSICAL DESCRIPTION:	liquid fuming

PRODUCT CODE:	121038
PRODUCT NAME:	Nitric Acid fuming (Reag. Ph. Eur.) for analysis
QUALITY NAME:	for analysis

SPECIFICATIONS:

Minimum assay (Acidim.): 99.5%

Maximum limit of impurities

Insoluble matter in H₂O: passes test

Residue on ignition (as SO₄): 0.002 %

Chloride (Cl): 0.00007%

Sulfate (SO₄): 0.0005%

Heavy metals (as Pb): 0.0005%

As: 0.00002 %

Fe: 0.0002 %

HAZARD PICTOGRAMS**UN:**

2032

CLASS/PG:

8(5.1)(6.1)/I

ADR:

8(5.1)(6.1)/I

IMDG:

8(5.1)(6.1)/I

IATA:

8(5.1)(6.1)/I

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS03

GHS05

GHS06

H PHRASES:

H272

H314

H290

H330

P PHRASES:

P210

P220

P221

P260
P264
P501
P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P338
P363
P370+P378
P405

MASTER NAME:	Nitric Acid fuming
EINECS:	231-714-2
CS:	2808 00 00 00
INDEX NR.:	007-004-00-1

Nitric Acid fuming pure

Minimum assay (Acidim.): 99.5%

CODE

141038

CAS

7697-37-2

MOLECULAR FORMULA

HNO₃

MOLAR MASS

63.01 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

141038.2411

PACKAGING SIZE

1000 ml

① Technical data

MELTING POINT: -40 °C

BOILING POINT: 84 °C

DENSITY: 1.502 kg/l

PHYSICAL DESCRIPTION: liquid
fuming

PRODUCT CODE: 141038

PRODUCT NAME: Nitric Acid fuming pure

QUALITY NAME: pure

SPECIFICATIONS: Minimum assay (Acidim.): 99.5%

Maximum limit of impurities

Residue on ignition (as SO₄): 0.005 %

Chloride (Cl): 0.0005%

Sulfate (SO₄): 0.001%

Heavy metals (as Pb): 0.0005%

As: 0.00002 %

Fe: 0.0005 %

HAZARD PICTOGRAMS



UN:	2032
CLASS/PG:	8(5.1)(6.1)/I
ADR:	8(5.1)(6.1)/I
IMDG:	8(5.1)(6.1)/I
IATA:	8(5.1)(6.1)/I
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05 GHS06
H PHRASES:	H272 H314 H290 H330
P PHRASES:	P210 P220 P221 P260 P264 P501

P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P338
P363
P370+P378
P405

MASTER NAME:	Nitric Acid fuming
EINECS:	231-714-2
CS:	2808 00 00 00
INDEX NR.:	007-004-00-1

Nitric Acid 69% (BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 68.0-70.0 %

CODE 141037

CAS 7697-37-2

MOLECULAR FORMULA HNO_3

MOLAR MASS 63.01 g/mol

Packs sizes (3)



CODE PACKAGING SIZE

CODE 141037.1611 PACKAGING SIZE 1000 ml



CODE 141037.1214 PACKAGING SIZE 5 l



CODE 141037.0716 PACKAGING SIZE 25 l

Product active until stock lasts.

① Technical data

MELTING POINT: ~ - 32 °C

BOILING POINT: 122 °C

DENSITY: 1.411 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	141037
PRODUCT NAME:	Nitric Acid 69% (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 68.0-70.0 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Residue on ignition (as SO₄): 0.0005 % Chloride (Cl): 0.00005% Sulfate (SO₄): 0.0001% Clarity and colour: passes test Residual solvents (Ph.Eur.): passes test Heavy metals (as Pb): 0.00002% Fe: 0.0010 %
HAZARD PICTOGRAMS	
UN:	2031
CLASS/PG:	8(5.1)/II
ADR:	8(5.1)/II
IMDG:	8(5.1)/II
IATA:	8(5.1)/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger

GHS SYMBOLS:	GHS05 GHS03 GHS06
H PHRASES:	H314 H272 H290 H331 EUH071
P PHRASES:	P210 P220 P221 P260 P264 P501 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338 P363 P370+P378 P405

MASTER NAME:	Nitric Acid 69%
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EINECS:	231-714-2
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CS:	2808 00 00 00
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INDEX NR.:	007-004-00-1
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ortho-Phosphoric Acid 85% (Reag. USP) for analysis, ACS, ISO

Minimum assay (Acidim.): 85.0%

CODE	131032
CAS	7664-38-2
MOLECULAR FORMULA	H ₃ PO ₄
MOLAR MASS	98.00 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 131032.1211	PACKAGING SIZE 1000 ml	
	CODE 131032.1212	PACKAGING SIZE 2.5 l	
	CODE 131032.1214	PACKAGING SIZE 5 l	
	CODE 131032.0716	PACKAGING SIZE 25 l	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

① Technical data

MELTING POINT: 21 °C

BOILING POINT: 158 °C

DENSITY: 1.70 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131032

PRODUCT NAME: ortho-Phosphoric Acid 85% (Reag. USP) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Minimum assay (Acidim.): 85.0%

Maximum limit of impurities

APHA colour: 10

Acidity Volatile (as CH₃COOH): 0.001%

Insoluble matter in H₂O: 0.001 %

Reducing substance to KMnO₄ (as O): 0.001 %

Chloride (Cl): 0.0002 %

Sulfate (SO₄): 0.003%

Silicate SiO₂: 0.025%

Nitrate (NO₃): 0.0005%

As: 0.0001 %

Heavy metals (as Pb): 0.001%

Metals by ICP [in mg/Kg (ppm)]

Ag: 1

Al: 5

Au: 1

B: 1

Ba: 5

Be: 1

Bi: 1

Ca: 10

Cd: 1

Co: 1

Cr: 5

Cu: 1

Fe: 10

Ga: 1

Ge: 1

Hg: 1

In: 5
K: 5
Li: 5
Mg: 10
Mn: 0.5
Mo: 1
Na: 250
Ni: 1
Pb: 1
Pt: 5
Sb: 2
Sn: 1
Sr: 1
Ti: 1
Tl: 1
V: 1
Zn: 2
Zr: 1

HAZARD PICTOGRAMS



UN: 1805

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314
H290

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

MASTER NAME:	ortho-Phosphoric Acid 85%
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EINECS:	231-633-2
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CS:	2809 20 00 00
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INDEX NR.:	015-011-00-6
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ortho-Phosphoric acid 85 % p. A.

Assay (titr.): min. 85 %

CODE	A0989
CAS	7664-38-2
MOLECULAR FORMULA	H ₃ PO ₄
MOLAR MASS	98.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE A0989,91250	PACKAGING SIZE 1250 kg

① Technical data

PRODUCT CODE:	A0989
PRODUCT NAME:	ortho-Phosphoric acid 85 % p. A.
SPECIFICATIONS:	Assay (titr.): min. 85 % Chloride: max. 0.0002 % Nitrate: max. 0.0005 % Phosphite: max. 0.005 % Sulfate: max. 0.005 % Ca: max. 0.005 % Cu: max. 0.0001 % Fe: max. 0.001 % K: max. 0.0005 % Mg: max. 0.001 % Na: max. 0.02 % Ni: max. 0.0001 % Pb: max. 0.0001 %

Zn: max. 0.0002 %

HAZARD PICTOGRAMS



UN:	1805
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501

EINECS:	231-633-2
CS:	28092000
INDEX NR.:	015-011-00-6

ortho-Phosphoric Acid 5 % pure

Assay (titr.): min. 5 %

CODE	147146
CAS	7664-38-2
MOLECULAR FORMULA	H ₃ PO ₄
MOLAR MASS	98.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 147146.0715	PACKAGING SIZE 10 L
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Product active until stock lasts.

Technical data

PHYSICAL DESCRIPTION:	Liquid
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PRODUCT CODE:	147146
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PRODUCT NAME:	ortho-Phosphoric Acid 5 % pure
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SPECIFICATIONS:	Assay (titr.): min. 5 % Appearance of solution: passes test Identity: passes test Heavy metals (as Pb): max. 0.001 % Chloride: max. 0.005 % Sulfate: max. 0.01 % As: max. 0.0002 % Fe: max. 0.005 %
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HAZARD PICTOGRAMS



UN: 1805

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 1

STORAGE: RT

SIGNAL WORD: Attention

GHS SYMBOLS: GHS05

H PHRASES: H290

P PHRASES: P234
P390
P406

EINECS: 231-633-2

CS: 28092000

INDEX NR.: 015-011-00-6

ortho-Phosphoric Acid 25 % pure

Assay (titr.): min. 25 %

CODE

147067

CAS

7664-38-2

MOLECULAR FORMULA

H₃PO₄

MOLAR MASS

98.00 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

147067.1211

PACKAGING SIZE

1 L



CODE

147067.1212

PACKAGING SIZE

2.5 L

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

147067

PRODUCT NAME:

ortho-Phosphoric Acid 25 % pure

SPECIFICATIONS:

Assay (titr.): min. 25 %

Appearance of solution: passes test

Identity: passes test

Heavy metals (as Pb): max. 0.001 %

Density (d 20°C): 1.146 - 1.151

Chloride: max. 0.005 %

Sulfate: max. 0.01 %

As: max. 0.0002 %

Fe: max. 0.005 %

HAZARD PICTOGRAMS



UN: 1805

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H290
H314

P PHRASES: P280
P303+P361+P353
P305+P351+P338
P310
P321
P405
P501

EINECS: 231-633-2

CS: 28092000

INDEX NR.: 015-011-00-6

ortho-Phosphoric Acid 10% (USP-NF, BP, Ph. Eur.) pure, pharma grade

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

CODE	147143
CAS	7664-38-2
MOLECULAR FORMULA	H3PO4
MOLAR MASS	98.00 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 147143.1214	PACKAGING SIZE 5 l
	CODE 147143.0716	PACKAGING SIZE 25 l
	CODE 147143.9774	PACKAGING SIZE 1000 l

① Technical data

DENSITY:	1.05 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	Clear liquid

PRODUCT CODE:	147143
PRODUCT NAME:	ortho-Phosphoric Acid 10% (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (w/w) (Ph. Eur.): 9.5 - 10.5 % Assay (Acidim.) (w/v) (USP-NF): 9.5 - 10.5 % Identity according to Pharmacopoeias:: passes test Maximum limit of impurities Appearance of solution: passes test Chloride (Cl): 0.0006 % Sulfate (SO₄) (Ph. Eur.): 0.0010 % Sulfate (SO₄) (USP-NF): passes test Precipitated substances by NH₄OH: passes test Residual solvents (Ph.Eur/USP): passes test Nitrate (NO₃): passes test Hypophosphorous and phosphorous acid: passes test Alkaline phosphates: passes test Fe: 0.0006 %

HAZARD PICTOGRAMS



UN:	1805
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05

H PHRASES:	H290 H315 H319
P PHRASES:	P280 P305+P351+P338 P332+P313 P337+P313 P362 P501

MASTER NAME:	ortho-Phosphoric Acid 10%
EINECS:	231-633-2
CS:	2809 20 00 00
INDEX NR.:	015-011-00-6

Peracetic Acid 15 % pure

CODE

143495

CAS

79-21-0

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

143495.1211

1 L

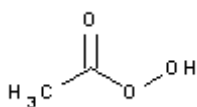


CODE

PACKAGING SIZE

143495.1214

5 L



① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

143495

PRODUCT NAME:

Peracetic Acid 15 % pure

HEADLINE COMMENT:

* The specification and shelf life are only valid for the original closed package. Product contains sulfuric acid.

SPECIFICATIONS:

Peracetic acid: approx. 15 %
Heavy metals (as Pb): max. 0.005 %

Chloride: max. 0.005 %

Sulfate: max. 0.005 %

HAZARD PICTOGRAMS



UN: 3109

CLASS/PG: 5.2

ADR: 5.2

IMDG: 5.2

IATA: 5.2

WGK: 2

STORAGE: 2 - 8°C

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05
GHS07

H PHRASES: H242
H290
H314
H335

P PHRASES: P280
P303+P361+P353
P305+P351+P338
P310
P321
P405
P410
P501

EINECS: 201-186-8

CS: 29159070

INDEX NR.: 607-094-00-8

Oxalic Acid 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Assay (Perm.): 99.5-102.5%

CODE	131041
CAS	6153-56-6
MOLECULAR FORMULA	$(\text{COOH})_2 \cdot 2\text{H}_2\text{O}$
MOLAR MASS	126.07 g/mol

Packs sizes (3)



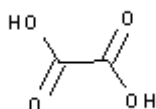
CODE	PACKAGING SIZE
CODE 131041.1210	PACKAGING SIZE 500 g



CODE	PACKAGING SIZE
CODE 131041.1211	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 131041.0416	PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 101 °C

BOILING POINT:	150 °C
SOLUBILITY:	water 102 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131041
---------------	--------

PRODUCT NAME:	Oxalic Acid 2-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
---------------	--

QUALITY NAME:	for analysis, ACS, ISO
---------------	------------------------

SPECIFICATIONS:	Assay (Perm.): 99.5-102.5% Identity: IR passes test
-----------------	--

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.01 %

Chloride (Cl): 0.0005%

Nitrogen compounds (as N): 0.001%

Sulfate (SO₄): 0.005%

Heavy Metals (ICP-OES): 0.0005 %

Metals by ICP [in mg/Kg (ppm)]

Ag: 2

Al: 2

Au: 2

B: 2

Ba: 15

Be: 2

Bi: 5

Ca: 10

Cd: 2

Co: 2

Cr: 2

Cu: 5

Fe: 2

Ga: 2

Ge: 2

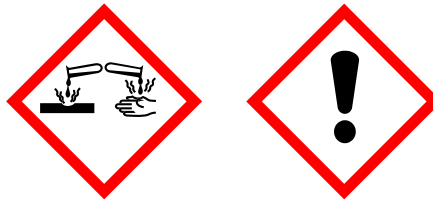
In: 2

K: 50

Mg: 10

Mn: 2
Mo: 2
Na: 50
Ni: 5
Pb: 5
Sb: 2
Si: 5
Sr: 2
Ti: 2
Tl: 2
V: 2
Zn: 2
Zr: 2

HAZARD PICTOGRAMS



WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS07
GHS05

H PHRASES:

H312
H302
H318

P PHRASES:

P264
P270
P301+P312
P302+P352
P312
P501
P322
P330
P363

MASTER NAME:

Oxalic Acid 2-hydrate

EINECS: 205-634-3

CS: 2917 11 00 91

INDEX NR.: 607-006-00-8

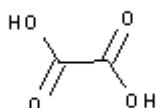
Oxalic Acid 0.5 mol/l (1N) volumetric solution

CODE	181042
CAS	6153-56-6
MOLECULAR FORMULA	$C_2H_2O_4 \cdot 2H_2O$
MOLAR MASS	126.07 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 181042.1211	PACKAGING SIZE 1000 ml



① Technical data

DENSITY: 1.019 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181042

PRODUCT NAME: Oxalic Acid 0.5 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**WGK:**

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

H PHRASES:

H318

P PHRASES:

P280

P270

P305+P351+P338

P311

P312

P501

MASTER NAME:

Oxalic Acid 0,5 mol/l *(1N)

EINECS:

205-634-3

CS:

2917 11 00 91

INDEX NR.:607-006-00-8

Oxalic Acid 0.05 mol/l (0.1N) (Reag. USP) volumetric solution

CODE

181043

CAS

6153-56-6

MOLECULAR FORMULA

$C_2H_2O_4 \cdot 2H_2O$

MOLAR MASS

126.07 g/mol

Packs sizes (1)



CODE

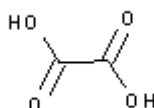
PACKAGING SIZE

CODE

PACKAGING SIZE

181043.1211

1000 ml



① Technical data

DENSITY:

1.002 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

181043

PRODUCT NAME:

Oxalic Acid 0.05 mol/l (0.1N) (Reag. USP)
volumetric solution

QUALITY NAME:

volumetric solution

HEADLINE COMMENT:	Standardised against Potassium Permanganate 0.1N
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SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
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WGK:	1
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STORAGE:	Room Temperature.
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MASTER NAME:	Oxalic Acid 0,05 mol/l *(0,1N)
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EINECS:	205-634-3
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CS:	2917 11 00 91
-----	---------------

ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 85.0-88.0 %

CODE	141032
CAS	7664-38-2
MOLECULAR FORMULA	H_3PO_4
MOLAR MASS	98.00 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
CODE 141032.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 141032.1212	PACKAGING SIZE 2.5 l



CODE	PACKAGING SIZE
CODE 141032.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 141032.0716	PACKAGING SIZE 25 l

① Technical data

MELTING POINT: 21 °C

BOILING POINT: 158 °C

DENSITY: 1.70 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141032

PRODUCT NAME: ortho-Phosphoric Acid 85% (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 85.0-88.0 %
Identity according to Pharmacopoeias:: passes
test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.01%

Precipit. substances by NH₄OH: passes test

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

Hypophosphorous and phosphorous acid: passes
test

Alkaline phosphates: passes test

Nitrate: passes test

Fe: 0.005 %

HAZARD PICTOGRAMS



UN: 1805

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	ortho-Phosphoric Acid 85%
EINECS:	231-633-2
CS:	2809 20 00 00
INDEX NR.:	015-011-00-6

Perchloric Acid 70% pure

Assay (Acidim.): 69.0-72.0 %

CODE

142175

CAS

7601-90-3

MOLECULAR FORMULA

HClO_4

MOLAR MASS

100.46 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142175.1611

1000 ml



CODE

PACKAGING SIZE

142175.1612

2.5 l

Technical data

MELTING POINT:

-18 °C

BOILING POINT:

198 °C

DENSITY:

1.67 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

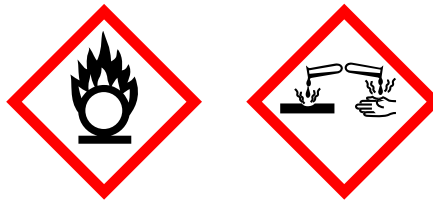
142175

PRODUCT NAME:

Perchloric Acid 70% pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 69.0-72.0 % Residue on ignition: 0.01 % Chlorine (Cl): 0.0005% Chloride (Cl): 0.001% Nitrogen compounds (as N): 0.005% Sulfate (SO ₄): 0.003% Chlorate (ClO ₃): 0.005% Phosphate and Silicate (as PO ₄): 0.002% As: 0,0001 % Fe: 0,0005 % Ni: 0,0005 % Pb: 0,0005 %

HAZARD PICTOGRAMS



UN:	1873
CLASS/PG:	5.1(8)/I
ADR:	5.1(8)/I
IMDG:	5.1(8)/I
IATA:	5.1(8)/I
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05
H PHRASES:	H271 H314 H290
P PHRASES:	P280

P283
P303+P361+P353
P305+P351+P338
P321
P405
P501
P310

MASTER NAME:	Perchloric Acid 70%
EINECS:	231-512-4
CS:	2811 19 80 90
INDEX NR.:	017-006-00-4

Perchloric Acid 70% for trace metal analysis (ppb)

Assay (Acidim.): 65-71 %

CODE	722175
CAS	7601-90-3
MOLECULAR FORMULA	HClO ₄
MOLAR MASS	100.46 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 722175.0010	PACKAGING SIZE 500 ml	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

Technical data

MELTING POINT:	-18 °C
BOILING POINT:	198 °C
DENSITY:	1.67 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	722175
PRODUCT NAME:	Perchloric Acid 70% for trace metal analysis (ppb)
QUALITY NAME:	for trace metal analysis (ppb)

SPECIFICATIONS:

Assay (Acidim.): 65-71 %

Maximum limit of impurities

APHA colour: 10

Metals by ICP (ppb)

Ag: 1

Al: 1

As: 0,5

Au: 0,5

Ba: 1

Be: 0,5

Bi: 0,5

Ca: 1

Cd: 1

Ce: 0,5

Co: 0,5

Cs: 0,5

Cu: 0,5

Dy: 0,5

Er: 0,5

Eu: 0,5

Fe: 1

Ga: 0,5

Gd: 0,5

Ho: 0,5

In: 0,5

K: 1

La: 0,5

Li: 0,5

Lu: 0,5

Mg: 1

Mn: 1

Mo: 0,5

Na: 1

Nd: 0,5

Ni: 1

Pb: 1

Pd: 0,5

Pr: 0,5

Pt: 0,5

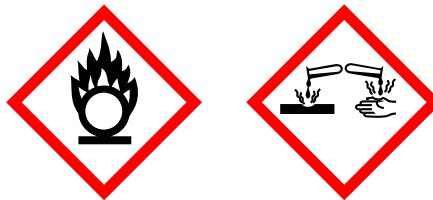
Rb: 0,5

Rh: 0,5

Sb: 0,5

Sc: 0,5
Sm: 0,5
Sn: 1
Sr: 0,5
Tb: 0,5
Te: 0,5
Th: 1
Ti: 1
Tl: 0,5
Tm: 0,5
U: 0,5
V: 0,5
Y: 0,5
Yb: 0,5
Zn: 1
Zr: 0,5

HAZARD PICTOGRAMS



UN: 1873

CLASS/PG: 5.1(8)/I

ADR: 5.1(8)/I

IMDG: 5.1(8)/I

IATA: 5.1(8)/I

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS03
GHS05

H PHRASES: H271
H314
H290

P PHRASES:	P280 P283 P303+P361+P353 P305+P351+P338 P321 P405 P501 P310
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MASTER NAME:	Perchloric Acid 70%
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EINECS:	231-512-4
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CS:	2811 19 80 90
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INDEX NR.:	017-006-00-4
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Perchloric Acid 60% for analysis, ACS, ISO

Assay (Acidim.): 60.0-62.0 %

CODE

131054

CAS

7601-90-3

MOLECULAR FORMULA

HClO₄

MOLAR MASS

100.46 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

131054.1611

1000 ml



CODE

PACKAGING SIZE

131054.1612

2.5 l



CODE

PACKAGING SIZE

131054.2216

25 l

① Technical data

BOILING POINT: 160 °C

DENSITY: 1.54 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131054

PRODUCT NAME: Perchloric Acid 60% for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Assay (Acidim.): 60.0-62.0 %

Maximum limit of impurities

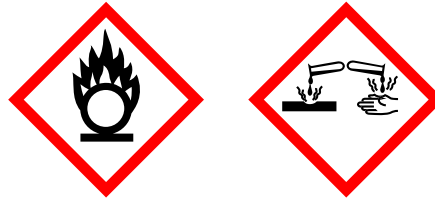
APHA colour: 10
Insoluble matter in H₂O: passes test
Residue on ignition: 0.003 %
Chlorine (Cl): 0.0005%
Chloride (Cl): 0.0003%
Nitrogen compounds (as N): 0.001%
Sulfate (SO₄): 0.001%
Chlorate (ClO₃): 0.001%
Phosphate and Silicate (as PO₄): 0.0005%
Heavy Metals (ICP-OES): 0.0001%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0,1
Al: 0,1
As: 0,05
Au: 0,1
Ba: 0,1
Be: 0,5
Bi: 0,1
Ca: 1
Cd: 0,05
Co: 0,1
Cr: 0,1
Cu: 0,05
Fe: 1
Ga: 0,05
Ge: 0,05
Hg: 0,1
In: 0,05
K: 1
Li: 0,02
Mg: 0,05
Mn: 0,05
Mo: 0,05
Na: 5
Ni: 0,05
Pb: 0,1

Pt: 0,1
Sb: 0,05
Si: 0,1
Sn: 0,05
Sr: 0,5
Ti: 0,05
Tl: 0,05
V: 0,05
Zn: 0,1
Zr: 0,05

HAZARD PICTOGRAMS



UN:	1873
CLASS/PG:	5.1(8)/I
ADR:	5.1(8)/I
IMDG:	5.1(8)/I
IATA:	5.1(8)/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

P283
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P306+P360
P310
P321
P338
P363
P370+P378
P371+P380+P375
P405

MASTER NAME:	Perchloric Acid 60%
EINECS:	231-512-4
CS:	2811 19 80 90
INDEX NR.:	017-006-00-4

Perchloric Acid 0.1 mol/l (0.1N) in acetic acid (Reag. USP, Ph. Eur.) volumetric solution

CODE

181046

MOLECULAR FORMULA

HClO_4

MOLAR MASS

100.46 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

181046.1611

PACKAGING SIZE

1000 ml



CODE

181046.1612

PACKAGING SIZE

2.5 l

① Technical data

DENSITY:

1.060 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

181046

PRODUCT NAME:

Perchloric Acid 0.1 mol/l (0.1N) in acetic acid
(Reag. USP, Ph. Eur.) volumetric solution

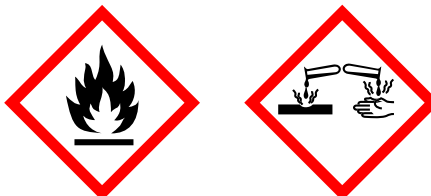
QUALITY NAME:

volumetric solution

HEADLINE COMMENT: Normalized solution for Potassium Hydrogen Phthalate. Indicator: Crystal Violet.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST
Water (H₂O): 0.02 - 0.05 %

HAZARD PICTOGRAMS



UN: 2920

CLASS/PG: 8(3)/II

ADR: 8(3)/II

IMDG: 8(3)/II

IATA: 8(3)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05

H PHRASES: H226
H314

P PHRASES: P210
P233
P240
P241
P242
P501
P243
P260
P264

P280
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P338
P363
P370+P378
P403+P235
P405

MASTER NAME:

Perchloric Acid 0,1 mol/l *(0,1N) in acetic acid

CS:

3822 90 00 00

Perchloric Acid 0.1 mol/l (0.1N) in 1,4-dioxan (Reag. USP) volumetric solution

CODE

181047

MOLECULAR FORMULA

HClO₄

MOLAR MASS

100.46 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

181047.1611

PACKAGING SIZE

1000 ml

Technical data

DENSITY: 1.040 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181047

PRODUCT NAME: Perchloric Acid 0.1 mol/l (0.1N) in 1,4-dioxan (Reag. USP) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Standardised against Potassium Hydrogen Phthalate Indicator: Crystal violet Storage over 18°C.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2924
CLASS/PG:	3(8)/II
ADR:	3(8)/II
IMDG:	3(8)/II
IATA:	3(8)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS05 GHS08
H PHRASES:	H225 H290 H315 H319 H351 H335 EUH019 EUH066
P PHRASES:	P210 P233 P240

P241
P242
P501
P243
P261
P264
P271
P280
P302+P352
P303+P361+P353
P304+P340
P305+P351+P338
P312
P321
P332+P313
P337+P313
P362
P370+P378
P403+P233
P403+P235
P405

MASTER NAME:

Perchloric Acid 0,1 mol/l *(0,1N) in 1,4-dioxan

CS:

3822 90 00 00

Pikric Acid solution 1.2 % *BioChemica*

Assay: approx. 12 g/L

CODE

A2520

CAS

88-89-1

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A2520,1000

PACKAGING SIZE
1 L

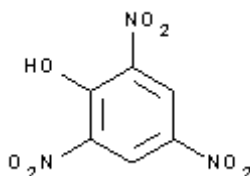
Product active until stock lasts.



CODE
A2520,2500

PACKAGING SIZE
2.5 L

Product active until stock lasts.



Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A2520

PRODUCT NAME:

Pikric Acid solution 1.2 % *BioChemica*

SPECIFICATIONS:

Assay: approx. 12 g/L

WGK:

1

STORAGE:

RT

EINECS:

201-865-9

CS:

29089900

INDEX NR.:

609-009-00-X

Phosphorous Acid for analysis

Phosphonic Acid

Minimum assay: 98 %

CODE	123573
CAS	13598-36-2
MOLECULAR FORMULA	H ₃ PO ₃
MOLAR MASS	82.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 123573.1211	PACKAGING SIZE 1000 g

Technical data

SOLUBILITY: Soluble in water.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 123573

PRODUCT NAME: Phosphorous Acid for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay: 98 %

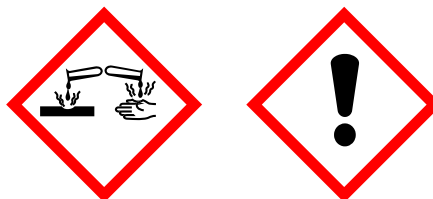
Maximum limit of impurities

Sulfate (SO₄): 0.01 %

Chloride (as HCl): 0.005 %

Ca: 0,01 %
Cu: 0,005%
Fe: 0,005%
Ni: 0,005%
Pb: 0,005%
Zn: 0,005%

HAZARD PICTOGRAMS



UN:	2834
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H314 H290
P PHRASES:	P264 P260 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321

P330

P338

P363

P405

P501

MASTER NAME: Phosphorous Acid

SYNONYMS LONG TEXT: Phosphonic Acid

EINECS: 237-066-7

CS: 2811 19 80 90

Phosphomolybdic Acid x-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

Dodecamolybdophosphoric Acid, Molybdophosphoric Acid

CODE

131031

CAS

51429-74-4

MOLECULAR FORMULA

$\text{H}_3[\text{P}(\text{Mo}_3\text{O}_{10})_4] \cdot x\text{H}_2\text{O}$

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

131031.1608

PACKAGING SIZE

100 g

① Technical data

MELTING POINT: 78 - 90 °C

SOLUBILITY: Soluble in water, ethanol and ether.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131031

PRODUCT NAME: Phosphomolybdic Acid x-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Identity: IR passes test

Maximum limit of impurities

Insoluble matter in H₂O: 0.01 %

Chloride (Cl): 0.02%
Ammonium (NH₄): 0.01%
Sulfate (SO₄): 0.025%
Heavy metals (as Pb): 0.005%
Ca: 0.02 %
Fe: 0.005 %
K: 0.05 %
Pb: 0.003 %

HAZARD PICTOGRAMS



UN:	3260
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	2
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:

Phosphomolybdic Acid x-hydrate

SYNONYMS LONG TEXT:

Dodecamolybdophosphoric Acid,
Molybdophosphoric Acid

EINECS:

234-713-5

CS:

2811 19 80 90

Periodic Acid (Reag. USP, Ph. Eur.) for analysis, ACS

Assay (Iodom.): 99.0-101.0%

CODE

132320

CAS

10450-60-9

MOLECULAR FORMULA

H₅IO₆

MOLAR MASS

227.94 g/mol

Packs sizes (1)



CODE

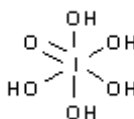
PACKAGING SIZE

CODE

132320.1608

PACKAGING SIZE

100 g



① Technical data

MELTING POINT:

127 °C

SOLUBILITY:

water 2,430 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

132320

PRODUCT NAME:

Periodic Acid (Reag. USP, Ph. Eur.) for analysis,

ACS

QUALITY NAME:

for analysis, ACS

SPECIFICATIONS:

Assay (Iodom.): 99.0-101.0%

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Residue on ignition (as SO₄): 0.01 %

Sulfate (SO₄): 0.01%

Iodide (I): 0.001%

Chloride, chlorate, bromide and bromate (as Cl):
0.01%

Heavy metals (as Pb): 0.005%

Cu: 0.001 %

Fe: 0.001 %

Ni: 0.001 %

HAZARD PICTOGRAMS



UN:

3085

CLASS/PG:

5.1(8)/II

ADR:

5.1(8)/II

IMDG:

5.1(8)/II

IATA:

5.1(8)/II

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:	Periodic Acid
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EINECS:	233-937-0
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CS:	2811 19 80 90
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Perchloric Acid 70% (Reag. USP) for analysis, ACS, ISO

Assay (Acidim.): 69.0-72.0 %

CODE	132175
CAS	7601-90-3
MOLECULAR FORMULA	HClO ₄
MOLAR MASS	100.46 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 132175.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 132175.1612	PACKAGING SIZE 2.5 l

① Technical data

MELTING POINT:	-18 °C
BOILING POINT:	198 °C
DENSITY:	1.67 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	132175
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PRODUCT NAME: Perchloric Acid 70% (Reag. USP) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Assay (Acidim.): 69.0-72.0 %

Maximum limit of impurities

APHA colour: 10

Insoluble matter in H₂O: passes test

Residue on ignition: 0.003 %

Chlorine (Cl): 0.0005%

Chloride (Cl): 0.0003%

Nitrogen compounds (as N): 0.001%

Sulfate (SO₄): 0.001%

Chlorate (ClO₃): 0.0012%

Phosphate and Silicate (as PO₄): 0.0005%

As: 0.000005 %

Heavy metals (as Pb): 0.0001%

Metals by ICP [in mg/Kg (ppm)]

Ag: 0,1

Al: 0,1

Ba: 0,1

Be: 0,5

Ca: 1

Cd: 0,05

Co: 0,1

Cr: 0,1

Cu: 0,05

Fe: 1

K: 1

Mn: 0,05

Na: 5

Ni: 0,05

Pb: 0,1

Sr: 0,5

Zn: 0,1

HAZARD PICTOGRAMS



UN:	1873
CLASS/PG:	5.1(8)/I
ADR:	5.1(8)/I
IMDG:	5.1(8)/I
IATA:	5.1(8)/I
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS03 GHS05
H PHRASES:	H271 H314 H290
P PHRASES:	P280 P283 P303+P361+P353 P305+P351+P338 P321 P405 P501 P310

MASTER NAME:	Perchloric Acid 70%
EINECS:	231-512-4
CS:	2811 19 80 90
INDEX NR.:	017-006-00-4

Potassium Hydroxide 0.1 mol/l (0.1N) in methanol (Reag. USP) volumetric solution

CODE

182147

MOLECULAR FORMULA

KOH

MOLAR MASS

56.11 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

182147.1211

PACKAGING SIZE

1000 ml

① Technical data

DENSITY: 0.821 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182147

PRODUCT NAME: Potassium Hydroxide 0.1 mol/l (0.1N) in methanol (Reag. USP) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Standardised against Hydrochloric Acid 0,1M.
Indicator: Phenolphthalein.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	3286
CLASS/PG:	3(8)(6.1)/II
ADR:	3(8)(6.1)/II
IMDG:	3(8)(6.1)/II
IATA:	3(8)(6.1)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225 H331 H311 H301 H370 H319 H315
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P260 P261 P264 P270

P271
P280
P301+P310
P302+P352
P303+P361+P353
P304+P340
P305+P351+P338
P307+P311
P311
P312
P321
P322
P330
P332+P313
P337+P313
P361
P362
P363
P370+P378
P403+P233
P403+P235
P405

MASTER NAME:

Potassium Hydroxide 0,1 mol/l *(0,1N) methanolic

CS:

3822 90 00 00

Potassium Hydroxide 0.1 mol/l (0.1N) in ethanol (Reag. USP, Ph.Eur.) volumetric solution

CODE	182146
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
182146.1611	1000 ml

Technical data

DENSITY: 0.816 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182146

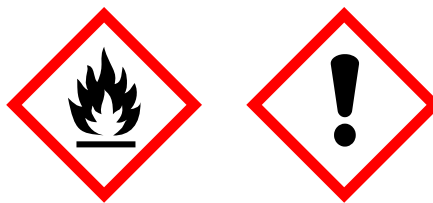
PRODUCT NAME: Potassium Hydroxide 0.1 mol/l (0.1N) in ethanol (Reag. USP, Ph.Eur.) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Standardised against Hydrochloric Acid 0,1M.
Indicator: Phenolphthalein.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate

HAZARD PICTOGRAMS



UN:	1993
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H315
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P264 P280 P302+P352 P303+P361+P353 P305+P351+P338 P321 P332+P313

P337+P313

P362

P370+P378

P403+P235

MASTER NAME:

Potassium Hydroxide 0,1 mol/l *(0,1N) ethanolic

CS:

3822 90 00 00

Potassium Hydroxide 0.1 mol/l (0.1N) in 2-propanol volumetric solution

CODE

183336

MOLECULAR FORMULA

KOH

MOLAR MASS

56.11 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

183336.1611

PACKAGING SIZE

1000 ml

Technical data

DENSITY: 0.787 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 183336

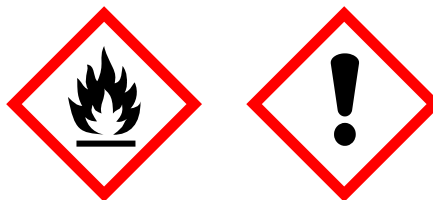
PRODUCT NAME: Potassium Hydroxide 0.1 mol/l (0.1N) in 2-propanol volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Phenolphthalein

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2924
CLASS/PG:	3 (8)/II
ADR:	3 (8)/II
IMDG:	3 (8)/II
IATA:	3 (8)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H335 H315
P PHRASES:	P210 P233 P240 P241 P242 P243 P261 P264 P271 P280 P303+P361+P353 P304+P340 P305+P351+P338 P312 P337+P313

P370+P378
P403+P233
P403+P235
P405
P501

MASTER NAME: Potassium Hydroxide 0,1 mol/l *(0,1N) in
2-propanol

CS: 3822 90 00 00

INDEX NR.: 019-002-00-8

Picric Acid saturated solution for clinical diagnostics, BioChemica

Minimum assay (w/v): 1.2%

CODE	251049
CAS	88-89-1
MOLECULAR FORMULA	$C_6H_3N_3O_7$
MOLAR MASS	229.11 g/mol

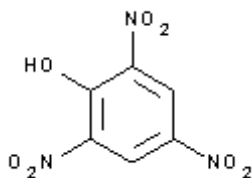
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 251049.1610	PACKAGING SIZE 500 ml



CODE	PACKAGING SIZE
251049.1612	2.5 l



① Technical data

DENSITY:	1.006 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	251049
PRODUCT NAME:	Picric Acid saturated solution for clinical diagnostics, BioChemica
QUALITY NAME:	for clinical diagnostics, BioChemica
HEADLINE COMMENT:	for determination of alcohol and creatinine
SPECIFICATIONS:	Minimum assay (w/v): 1.2%

WGK:	2
STORAGE:	Room Temperature.

MASTER NAME:	Picric Acid saturated solution
EINECS:	201-865-9
CS:	2908 99 00 90

Picric Acid moistened with ~ 33% of H₂O (Reag. Ph. Eur.) pure

2,4,6-Trinitrophenol

Assay (Acidim.): 98.0%

CODE 141048

CAS 88-89-1

MOLECULAR FORMULA C₆H₃N₃O₇

MOLAR MASS 229.11 g/mol

Packs sizes (2)



CODE

CODE
141048.1610

PACKAGING
SIZE

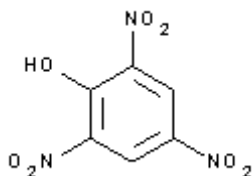
PACKAGING
SIZE
500 g



CODE
141048.1214

PACKAGING
SIZE
5 kg

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



① Technical data

MELTING POINT: 122.5 °C

BOILING POINT: > 300 °C

SOLUBILITY: Very slightly soluble in water.

PHYSICAL DESCRIPTION: solid

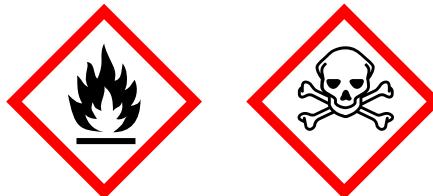
PRODUCT CODE: 141048

PRODUCT NAME: Picric Acid moistened with ~ 33% of H₂O (Reag. Ph. Eur.) pure

QUALITY NAME: pure

SPECIFICATIONS: Assay (Acidim.): 98.0%
Identity: IR passes test
Melting range: 119-122°C
Residue on ignition (as SO₄): 0.1 %
Chloride (Cl): 0.005%
Sulfate (SO₄): 0.5%
Insoluble and resinous substances: 0.1%
(Analysis applied to the dry substance)

HAZARD PICTOGRAMS



UN: 1344

CLASS/PG: 4.1/I

ADR: 4.1/I

IMDG: 4.1/I

IATA: 4.1/I

WGK: 2

STORAGE: Storage above 0°C

SIGNAL WORD: Danger

GHS SYMBOLS:	GHS06 GHS02
H PHRASES:	EUH001 H331 H311 H301 H228
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:	Picric Acid moistened with ~33% of H2O
SYNONYMS LONG TEXT:	2,4,6-Trinitrophenol
EINECS:	201-865-9
CS:	2908 99 00 90
INDEX NR.:	609-009-00-X

Potassium Hydroxide 0.5 mol/l (0.5N) volumetric solution

CODE	181518
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 181518.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.021 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181518

PRODUCT NAME: Potassium Hydroxide 0.5 mol/l (0.5N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Bromophenol Blue

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1814
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:	Potassium Hydroxide 0,5 mol/l *(0,5N)
EINECS:	215-181-3

CS: 2815 20 00 00

INDEX NR.: 019-002-00-8

Potassium Hydroxide 0.5 mol/l (0.5N) in methanol volumetric solution

CODE	181520
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 181520.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

DENSITY:	0.856 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181520
PRODUCT NAME:	Potassium Hydroxide 0.5 mol/l (0.5N) in methanol volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Phenolphthalein
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	3286
CLASS/PG:	3(6.1)(8)/II
ADR:	3(6.1)(8)/II
IMDG:	3(6.1)(8)/II
IATA:	3(6.1)(8)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08 GHS05
H PHRASES:	H225 H331 H311 H301 H370 H314
P PHRASES:	P210 P233 P240 P241 P242 P501

P243
P260
P261
P264
P270
P271
P280
P301+P310
P301+P330+P331
P302+P352
P303+P361+P353
P304+P340
P305+P351+P338
P307+P311
P310
P311
P312
P321
P322
P330
P338
P361
P363
P370+P378
P403+P233
P403+P235
P405

MASTER NAME: Potassium Hydroxide 0,5 mol/l *(0,5N) methanolic

CS: 3822 90 00 00

Potassium Hydroxide 0.5 mol/l (0.5N) in ethanol (Reag. USP) volumetric solution

CODE

181519

MOLECULAR FORMULA

KOH

MOLAR MASS

56.11 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

181519.1611

PACKAGING SIZE

1000 ml

Technical data

DENSITY: 0.840 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181519

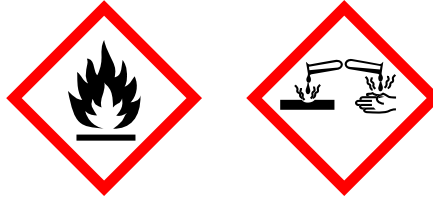
PRODUCT NAME: Potassium Hydroxide 0.5 mol/l (0.5N) in ethanol (Reag. USP) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Standardised against Hydrochloric Acid 0,5M.
Indicator: Phenolphthalein.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2924
CLASS/PG:	3(8)/II
ADR:	3(8)/II
IMDG:	3(8)/II
IATA:	3(8)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05
H PHRASES:	H225 H314
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P260 P264 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P338

P363
P370+P378
P403+P235
P405

MASTER NAME: Potassium Hydroxide 0,5 mol/l *(0,5N) ethanolic

CS: 3822 90 00 00

Potassium Hydroxide 0.23 mol/l (0.23N) volumetric solution

CODE	183354
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 183354.1214	PACKAGING SIZE 5 l	
	CODE 183354.1315	PACKAGING SIZE 10 l	Product active until stock lasts.

Technical data

DENSITY:	1.012 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	183354
PRODUCT NAME:	Potassium Hydroxide 0.23 mol/l (0.23N) volumetric solution
QUALITY NAME:	volumetric solution

HEADLINE COMMENT: for determination of raw fibre according to Weende. Indicator: Bromophenol Blue

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN: 1814

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: H319
H315

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

MASTER NAME: Potassium Hydroxide 0,23 mol/l *(0,23N)

EINECS:	215-181-3
CS:	2815 20 00 00
INDEX NR.:	019-002-00-8

Potassium Hydroxide 0.1 mol/l (0.1N) volumetric solution

CODE	181521
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 181521.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.002 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181521

PRODUCT NAME: Potassium Hydroxide 0.1 mol/l (0.1N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Bromophenol Blue

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1814
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:	H319 H315
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362

MASTER NAME:	Potassium Hydroxide 0,1 mol/l *(0,1N)
EINECS:	215-181-3
CS:	2815 20 00 00
INDEX NR.:	019-002-00-8

Potassium Hydroxide 85% pellets for analysis

Minimum assay (Acidim.): 85%

CODE	121515
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 121515.1210	PACKAGING SIZE 500 g	Product active until stock lasts.
	CODE 121515.1211	PACKAGING SIZE 1000 g	
	CODE 121515.1214	PACKAGING SIZE 5 kg	

① Technical data

MELTING POINT:	360 °C
BOILING POINT:	1,327 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	

solid

White lumps , pellets or flakes , translucent ,
caustic , deliquescent , absorbs CO₂ and moisture
from the air

PRODUCT CODE:

121515

PRODUCT NAME:

Potassium Hydroxide 85% pellets for analysis

QUALITY NAME:

for analysis

SPECIFICATIONS:

Minimum assay (Acidim.): 85%

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.001%

Phosphate (PO₄): 0.0005 %

Sulfate (SO₄): 0.002%

Silicate (as SiO₂): 0.01%

Carbonate (as K₂CO₃): 1.0%

Al: 0.001 %

As: 0.00005 %

Ca: 0.002 %

Cd: 0.0005 %

Co: 0.0005 %

Cu: 0.0005 %

Fe: 0.0005 %

Mg: 0.0005 %

Mn: 0.0005 %

Na: 0.5 %

Ni: 0.0005 %

Pb: 0.0005 %

Zn: 0.001 %

HAZARD PICTOGRAMS



UN:

1813

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H314 H290
P PHRASES:	P264 P260 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501 P234 P390 P406

MASTER NAME:	Potassium Hydroxide 85% *pellets
EINECS:	215-181-3

CS: 2815 20 00 00

INDEX NR.: 019-002-00-8

Potassium Hydroxide 85% pellets (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 85.0-100.5 %

CODE	141515
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 141515.1211	PACKAGING SIZE 1000 g
	CODE 141515.1214	PACKAGING SIZE 5 kg
	CODE 141515.0416	PACKAGING SIZE 25 kg

① Technical data

MELTING POINT:	360 °C
BOILING POINT:	1,327 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	

solid

White lumps , pellets or flakes , translucent ,
caustic , deliquescent , absorbs CO₂ and moisture
from the air

PRODUCT CODE:

141515

PRODUCT NAME:

Potassium Hydroxide 85% pellets (USP-NF, BP, Ph.
Eur.) pure, pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Assay (Acidim.): 85.0-100.5 %

Assay (as K) min: 59.9 %

Identity according to Pharmacopoeias:: passes
test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble substances: passes test

Chloride (Cl): 0.005%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as K₂CO₃): 1.0%

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

Al: 0,002 %

Ca: 0,005 %

Fe: 0,001 %

Mg: 0,005 %

Na: 1,0 %

HAZARD PICTOGRAMS



UN:

1813

CLASS/PG:

8/II

ADR:

8/II

IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H314 H290
P PHRASES:	P264 P260 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501 P234 P390 P406

MASTER NAME:	Potassium Hydroxide 85% *pellets
EINECS:	215-181-3
CS:	2815 20 00 00
INDEX NR.:	019-002-00-8

Potassium Hydroxide 85% pellets (Reag. USP) for analysis, ACS

Minimum assay (Acidim.): 85%

CODE	131515
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 131515.1211	PACKAGING SIZE 1000 g

① Technical data

MELTING POINT:	360 °C
BOILING POINT:	1,327 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White lumps , pellets or flakes , translucent , caustic , deliquescent , absorbs CO2 and moisture from the air

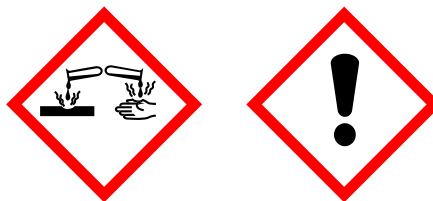
PRODUCT CODE:	131515
PRODUCT NAME:	Potassium Hydroxide 85% pellets (Reag. USP) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (Acidim.): 85%

Maximum limit of impurities
Insoluble matter in H₂O: 0.005 %
Chloride (Cl): 0.01 %
Nitrogen compounds (as N): 0.001 %
Phosphate (PO₄): 0.0005 %
Sulfate (SO₄): 0.003 %
Carbonate (as K₂CO₃): 2.0 %
Heavy metals (as Ag): 0.001 %
Ca: 0.005 %
Fe: 0.001 %
Mg: 0.002 %
Na: 0.05 %
Ni: 0.001 %

HAZARD PICTOGRAMS



UN: 1813

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS07
GHS05

H PHRASES: H302

	H314
	H290
P PHRASES:	P264
	P260
	P270
	P280
	P301+P312
	P301+P330+P331
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P310
	P321
	P330
	P338
	P363
	P405
	P501
	P234
	P390
	P406

MASTER NAME:	Potassium Hydroxide 85% *pellets
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EINECS:	215-181-3
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CS:	2815 20 00 00
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INDEX NR.:	019-002-00-8
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Potassium Hydroxide 85% pellets (E-525, F.C.C.) food grade

Assay (as KOH) total alkali: 85.0-100.5%

CODE	201515
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 201515.0416	PACKAGING SIZE 25 kg

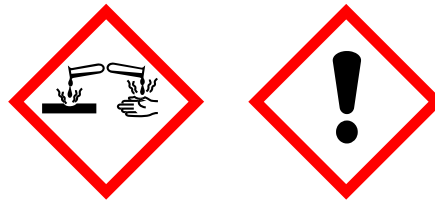
① Technical data

MELTING POINT:	360 °C
BOILING POINT:	1,327 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White lumps , pellets or flakes , translucent , caustic , deliquescent , absorbs CO2 and moisture from the air

PRODUCT CODE:	201515
PRODUCT NAME:	Potassium Hydroxide 85% pellets (E-525, F.C.C.) food grade

QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (as KOH) total alkali: 85.0-100.5% Identity Potassium: passes test Appearance: passes test Insoluble substances: passes test Carbonate (as K₂CO₃), not more than: 3.5% Strongly alkaline 1% solution: passes test Arsenic, not more than: 3 ppm Mercury, not more than: 0.1 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



UN:	1813
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H314

P PHRASES:

H290
P264
P260
P270
P280
P301+P312
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P330
P338
P363
P405
P501
P234
P390
P406

MASTER NAME:

Potassium Hydroxide 85% *pellets

EINECS:

215-181-3

CS:

2815 20 00 00

INDEX NR.:

019-002-00-8

Potassium Hydroxide 1 mol/l (1N) volumetric solution

CODE	181517
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 181517.1210	PACKAGING SIZE 500 ml
	CODE 181517.1211	PACKAGING SIZE 1000 ml
	CODE 181517.1214	PACKAGING SIZE 5 l

① Technical data

DENSITY: 1.042 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181517

PRODUCT NAME: Potassium Hydroxide 1 mol/l (1N) volumetric

solution

QUALITY NAME:

volumetric solution

HEADLINE COMMENT:

Also suitable for wine analysis

SPECIFICATIONS:

Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate

Traceability: NIST

HAZARD PICTOGRAMS



UN:

1814

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

H PHRASES:

H314

H290

P PHRASES:

P280

P303+P361+P353

P305+P351+P338

P310

P321

P405

P501

MASTER NAME: Potassium Hydroxide 1 mol/l *(1N)

EINECS: 215-181-3

CS: 2815 20 00 00

INDEX NR.: 019-002-00-8

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

2-Hydroxybenzoic Acid

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

CODE 141045

CAS 69-72-7

MOLECULAR FORMULA $C_6H_4(OH)COOH$

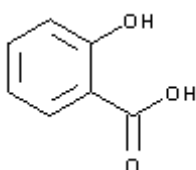
MOLAR MASS 138.12 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 141045.1211 PACKAGING SIZE 1000 g



① Technical data

MELTING POINT: 159 °C

BOILING POINT: 211 °C 27 hPa

SOLUBILITY: water 1.8 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	141045
PRODUCT NAME:	Salicylic Acid (USP, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) calc. a.d.s.: 99.5-100.5 % Assay (HPLC.) calc. a.d.s.: 98.0-102.0 % Identity according to Pharmacopoeias:: passes test Melting range: 159-161°C Maximum limit of impurities Appearance of solution: passes test Insoluble matter in C₂H₅OH: passes test Darkened substances by H₂SO₄: passes test Loss on drying: 0.5% Residue on ignition (as SO₄): 0.05 % Chloride (Cl): 0.01% Sulfate (SO₄): 0.02% Related substances: Residual solvents (Ph.Eur/USP): passes test Unspecified impurities: 0.05 % Total impurities: 0.2 % 4-Hydroxybenzoic Acid: 0.1 % 4-Hydroxyisophtalic Acid: 0.05 % Phenol: 0.02 % Heavy metals (as Pb): 0.002% Cu: 0.0005 % Fe: 0.0005 % Ni: 0.0005 % Pb: 0.0005 % Residual metals (according to EMEA/CHMP /SWP/4446/2000): No metal catalysts are used in the manufacturing process.

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05 GHS08
H PHRASES:	H302 H318 H361d
P PHRASES:	P264 P270 P280 P301+P312 P305+P351+P338 P501 P330 P337+P313

MASTER NAME:	Salicylic Acid
SYNONYMS LONG TEXT:	2-Hydroxybenzoic Acid
EINECS:	200-712-3
CS:	2918 21 00 00

Pyruvic Acid, 98% for synthesis

Minimum assay: 98%

CODE

15A915

CAS

127-17-3

MOLECULAR FORMULA

CH_3COCOOH

MOLAR MASS

88.06 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

15A915.1214

PACKAGING SIZE

5 l

Product active until stock lasts.

① Technical data

MELTING POINT:

12 °C

BOILING POINT:

165 °C

DENSITY:

1.267 kg/l

SOLUBILITY:

Soluble in water.

REFRACTIVE INDEX:

20/D 1.428

PRODUCT CODE:

15A915

PRODUCT NAME:

Pyruvic Acid, 98% for synthesis

QUALITY NAME:

for synthesis

SPECIFICATIONS:

Minimum assay: 98%

HAZARD PICTOGRAMS



UN:	3265
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	3
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:	Pyruvic Acid
EINECS:	204-824-3
CS:	2918 30 00 90

Propionic Acid, 99% for synthesis

Ethylformic Acid, Methylacetic Acid, Propanoic Acid

Minimum assay (G.C.): 99%

CODE 161810

CAS 79-09-4

MOLECULAR FORMULA $\text{CH}_3\text{CH}_2\text{COOH}$

MOLAR MASS 74.08 g/mol

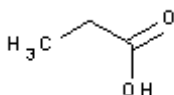
Packs sizes (1)



CODE PACKAGING SIZE

CODE 161810.1611 PACKAGING SIZE 1000 ml

Product active until stock lasts.



Technical data

MELTING POINT: -21.5 °C

BOILING POINT: 141.1 °C

DENSITY: 0.991 kg/l

REFRACTIVE INDEX: 20/D 1.386

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	161810
PRODUCT NAME:	Propionic Acid, 99% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (G.C.): 99% Identity: IR passes test Density 20/4: 0.988-0.993 Water (H2O): 0.2 %

HAZARD PICTOGRAMS



UN:	3463
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS02 GHS07
H PHRASES:	H314 H226 H335
P PHRASES:	P260 P264 P280 P301+P330+P331

P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Propionic Acid
SYNONYMS LONG TEXT:	Ethylformic Acid, Methylacetic Acid, Propanoic Acid
EINECS:	201-176-3
CS:	2915 50 00 00
INDEX NR.:	607-089-00-0

Potassium Hydroxide solution 50 % pure

Assay (titr.): approx. 50 %

CODE

142403

CAS

1310-58-3

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142403.1212

2.5 L

Product active until stock lasts.



CODE

PACKAGING SIZE

142403.1214

5 L

Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

142403

PRODUCT NAME:

Potassium Hydroxide solution 50 % pure

SPECIFICATIONS:

Assay (titr.): approx. 50 %

Density (d 20°C/4°C): approx. 1.52

HAZARD PICTOGRAMS



UN:

1814

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H290 H302 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
EINECS:	215-181-3
CS:	28152000
INDEX NR.:	019-002-00-8

Potassium Hydroxide 90% flakes technical grade

Assay (Acidim.): 90%

CODE	211514
CAS	1310-58-3
MOLECULAR FORMULA	KOH
MOLAR MASS	56.11 g/mol

Packs sizes (2)

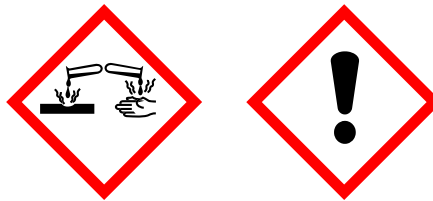
	CODE	PACKAGING SIZE	
	CODE 211514.1214	PACKAGING SIZE 5 kg	
	CODE 211514.0415	PACKAGING SIZE 10 Kg	Product active until stock lasts.

① Technical data

MELTING POINT:	360 °C
BOILING POINT:	1,327 °C
SOLUBILITY:	water 1,120 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White lumps , pellets or flakes , translucent , caustic , deliquescent , absorbs CO2 and moisture from the air

PRODUCT CODE:	211514
PRODUCT NAME:	Potassium Hydroxide 90% flakes technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Acidim.): 90% Insoluble matter in H2O: 0.05 % Chloride (Cl): 0.05% Sulfate (SO4): 0.05% As: 0.0003 % Fe: 0.005 % Pb: 0.005 %

HAZARD PICTOGRAMS



UN:	1813
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H314 H290
P PHRASES:	P264 P260

P270
P280
P301+P312
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P330
P338
P363
P405
P501

MASTER NAME:	Potassium Hydroxide 90% *flakes
EINECS:	215-181-3
CS:	2815 20 00 00
INDEX NR.:	019-002-00-8

Sodium Hydroxide 0.1 mol (4.000g NaOH) to prepare 1l of 0.1N solution

CODE

303125

CAS

1310-73-2

Packs sizes (1)



CODE

CODE

303125.1920

PACKAGING
SIZE

PACKAGING
SIZE
amp54ml

Product discontinued. Alternative
181693.1211 (please check specifications).

Technical data

PHYSICAL DESCRIPTION:

liquid
Plastic or glass ampoules containing clear
colourless liquid

PRODUCT CODE:

303125

PRODUCT NAME:

Sodium Hydroxide 0.1 mol (4.000g NaOH) to
prepare 1l of 0.1N solution

SPECIFICATIONS:

Titer at 20°C: 0.997 - 1.003
Traceability: See certificate

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sodium Hydroxide 0,1 mol *(4,000g NaOH) to prepare 1l of 0,1N solution
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 0.05 mol/l (0.05N) standard volumetric solution

Caustic Soda

CODE	182153
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
182153.1211	1000 ml

Product active until stock lasts.

Technical data

DENSITY: 1.003 kg/l

PHYSICAL DESCRIPTION: liquid
absorbs CO2 from air

PRODUCT CODE: 182153

PRODUCT NAME: Sodium Hydroxide 0.05 mol/l (0.05N) standard volumetric solution

QUALITY NAME: standard volumetric solution

HEADLINE COMMENT: Indicator: Bromophenol Blue

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate
Traceability: NIST

WGK: nwg

STORAGE: Room Temperature.

MASTER NAME: Sodium Hydroxide 0,05 mol/l *(0,05N)

SYNONYMS LONG TEXT: Caustic Soda

EINECS: 215-185-5

CS: 2815 12 00 00

Sodium Hydroxide 0.02 mol/l (0.02N) volumetric solution

Caustic Soda, Sodium Hydroxyde N/49

CODE	183397
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE
	CODE 183397.1210	PACKAGING SIZE 500 ml
	CODE 183397.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.000 kg/l

PHYSICAL DESCRIPTION: liquid
absorbs CO₂ from air

PRODUCT CODE: 183397

PRODUCT NAME: Sodium Hydroxide 0.02 mol/l (0.02N) volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Also suitable for wine analysis
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Hydroxide 0,02 mol/l *(0,02N)
SYNONYMS LONG TEXT:	Caustic Soda, Sodium Hydroxyde N/49
EINECS:	215-185-5
CS:	2815 12 00 00

Sodium Hydroxide 0.01 mol/l VINIKIT, for wine analysis

Caustic Soda

CODE	621845
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 621845.1210	PACKAGING SIZE 500 ml
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Product active until stock lasts.

Technical data

DENSITY: 1.000 kg/l

PHYSICAL DESCRIPTION: liquid
absorbs CO2 from air

PRODUCT CODE: 621845

PRODUCT NAME: Sodium Hydroxide 0.01 mol/l VINIKIT, for wine analysis

QUALITY NAME: VINIKIT, for wine analysis

HEADLINE COMMENT: for determination of sulfurous gas (SO2) in wine, according to Paul

SPECIFICATIONS:

Titer at 20°C: 1.000±0.001

UN: 1824**CLASS/PG:** 8/III**ADR:** 8/III**IMDG:** 8/III**IATA:** 8/III**WGK:** nwg**STORAGE:** Room Temperature.

MASTER NAME: Sodium Hydroxide 0,01 mol/l**SYNONYMS LONG TEXT:** Caustic Soda**EINECS:** 215-185-5**CS:** 2815 12 00 00

Sodium Hydroxide 0,01 mol/l (0,01N) volumetric solution

Caustic Soda

CODE	181845
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 181845.1210	PACKAGING SIZE 500 ml



CODE	PACKAGING SIZE
CODE 181845.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.000 kg/l

PHYSICAL DESCRIPTION: liquid
absorbs CO₂ from air

PRODUCT CODE: 181845

PRODUCT NAME: Sodium Hydroxide 0,01 mol/l (0,01N) volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Bromophenol blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.

MASTER NAME:	Sodium Hydroxide 0,01 mol/l
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 12 00 00

Sodium Hydroxide 0.2 mol/l (0.2N) volumetric solution

Soda lye, Caustic Soda

CODE	182971
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 182971.1210	PACKAGING SIZE 500 ml



CODE	PACKAGING SIZE
CODE 182971.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.006 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 182971

PRODUCT NAME: Sodium Hydroxide 0.2 mol/l (0.2N) volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Also suitable for wine analysis
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H319 H315
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362

MASTER NAME: Sodium Hydroxide 0,2 mol/l *(0,2N)

SYNONYMS LONG TEXT: Soda lye, Caustic Soda

EINECS: 215-185-5

CS: 2815 12 00 00

INDEX NR.: 011-002-00-6

Sodium Hydroxide 0.111 mol/l (0.111N) according to Dornic standard volumetric solution

Caustic Soda

CODE	183154
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 183154.1211	PACKAGING SIZE 1000 ml	
	CODE 183154.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 181693.1315 (please check specifications).

Technical data

DENSITY: 1.005 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 183154

PRODUCT NAME:	Sodium Hydroxide 0.111 mol/l (0.111N) according to Dornic standard volumetric solution
QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	for analysis of acidity in milk
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Hydroxide 0,111 mol/l *(0,111N) according to Dornic
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 12 00 00

Sodium Hydroxide 0.1 mol/l (0.1N) (Reag. USP, Ph. Eur.) volumetric solution

Caustic Soda

CODE	181693
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 181693.1211	PACKAGING SIZE 1000 ml
	CODE 181693.1214	PACKAGING SIZE 5 l
	CODE 181693.1315	PACKAGING SIZE 10 l

① Technical data

DENSITY:	1.004 kg/l
PHYSICAL DESCRIPTION:	liquid absorbs CO ₂ from air

PRODUCT CODE:	181693
PRODUCT NAME:	Sodium Hydroxide 0.1 mol/l (0.1N) (Reag. USP, Ph. Eur.) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Hydrochloric Acid 1M.
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
WGK:	nwg
STORAGE:	Room Temperature.
MASTER NAME:	Sodium Hydroxide 0,1 mol/l *(0,1N)
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 12 00 00

Sodium Hydroxide 0.1 mol/l (0.1N) (Reag. USP, Ph.Eur.) volumetric solution

Caustic Soda

CODE	181694
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 181694.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 181694.1315	PACKAGING SIZE 10 l	Product active until stock lasts.

① Technical data

DENSITY: 1.004 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181694

PRODUCT NAME: Sodium Hydroxide 0.1 mol/l (0.1N) (Reag. USP, Ph.Eur.) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT:	Standardised against Potassium Hydrogen Phtalate Indicator: Phenolphthalein
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SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST
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UN:	1824
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CLASS/PG:	8/III
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ADR:	8/III
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IMDG:	8/III
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IATA:	8/III
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WGK:	nwg
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STORAGE:	Room Temperature.
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MASTER NAME:	Sodium Hydroxide 0,1 mol/l *(0,1N)
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SYNONYMS LONG TEXT:	Caustic Soda
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EINECS:	215-185-5
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CS:	2815 12 00 00
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Sodium Hydroxide 0.1 mol/l (0.1N) in ethanol volumetric solution

Caustic Soda

CODE	182284
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182284.1611	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 0.852 kg/l

PHYSICAL DESCRIPTION: liquid
absorbs CO₂ from air

PRODUCT CODE: 182284

PRODUCT NAME: Sodium Hydroxide 0.1 mol/l (0.1N) in ethanol volumetric solution

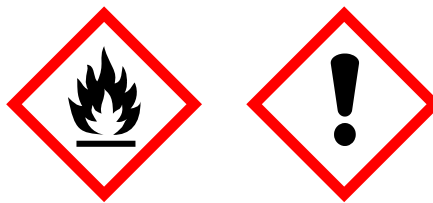
QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Phenolphthalein.

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2924
CLASS/PG:	3(8)/II
ADR:	3(8)/II
IMDG:	3(8)/II
IATA:	3(8)/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H315 H319
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P280 P303+P361+P353 P370+P378 P403+P235

MASTER NAME:

Sodium Hydroxide 0,1 mol/l *(0,1N) ethanolic

SYNONYMS LONG TEXT:

Caustic Soda

CS:

2815 12 00 00

Sodium Hydroxide 1.02 mol/l (1.02N) volumetric solution

Soda lye

CODE	185528
CAS	1310-73-2
MOLECULAR FORMULA	HNaO
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 185528.1208	PACKAGING SIZE 100 ml	
	CODE 185528.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 181691.1211 (please check specifications).

① Technical data

DENSITY: 1.044 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 185528

PRODUCT NAME: Sodium Hydroxide 1.02 mol/l (1.02N) volumetric
solution

QUALITY NAME:	volumetric solution
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363

MASTER NAME:	Sodium Hydroxide 1.02 mol/l (1.02N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 0.5 mol/l (0.5N) volumetric solution

Caustic Soda

CODE	181692
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 181692.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
181692.1315	10 l

① Technical data

DENSITY: 1.021 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 181692

PRODUCT NAME: Sodium Hydroxide 0.5 mol/l (0.5N) volumetric
solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321

P338

P363

P405

MASTER NAME:	Sodium Hydroxide 0,5 mol/l *(0,5N)
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SYNONYMS LONG TEXT:	Caustic Soda
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EINECS:	215-185-5
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CS:	2815 12 00 00
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INDEX NR.:	011-002-00-6
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Sodium Hydroxide 0.3546 mol/l (N/2.82) standard volumetric solution

Caustic Soda

CODE	182156
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 182156.1211	PACKAGING SIZE 1000 ml	
	CODE 182156.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 182156.1211 (please check specifications).

① Technical data

DENSITY: 1.015 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 182156

PRODUCT NAME: Sodium Hydroxide 0.3546 mol/l (N/2.82) standard
volumetric solution

QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	Empiric Liquor for analysis of oils. Indicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H319 H315 H290
P PHRASES:	P332+P313 P280 P362+P364 P305+P351+P338 P406 P337+P313

MASTER NAME:	Sodium Hydroxide 0,3546 mol/l *(N/2,82)
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 0.313 mol/l (0.313N) standard volumetric solution

Soda lye

CODE	183337
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 183337.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 181692.1211 (please check specifications).

① Technical data

DENSITY: 1.016 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 183337

PRODUCT NAME: Sodium Hydroxide 0.313 mol/l (0.313N) standard
volumetric solution

QUALITY NAME: standard volumetric solution

HEADLINE COMMENT: for determination of raw fibre. Indicator:
Bromophenol Blue

SPECIFICATIONS:

Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H319 H315 H290
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P332+P313 P337+P313 P362

MASTER NAME: Sodium Hydroxide 0,313 mol/l *(0,313 N)

SYNONYMS LONG TEXT: Soda lye

EINECS: 215-185-5

CS: 2815 12 00 00

INDEX NR.: 011-002-00-6

Sodium Hydroxide 0.25 mol/l (0.25N) standard volumetric solution

Caustic Soda

CODE	182155
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 182155.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 182155.1214	PACKAGING SIZE 5 l

① Technical data

DENSITY: 1.011 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 182155

PRODUCT NAME: Sodium Hydroxide 0.25 mol/l (0.25N) standard volumetric solution

QUALITY NAME:	standard volumetric solution
HEADLINE COMMENT:	Indicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H319 H315 H290
P PHRASES:	P332+P313 P280 P305+P351+P338 P337+P313 P362+P364 P406

MASTER NAME:	Sodium Hydroxide 0,25 mol/l *(0,25N)
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SYNONYMS LONG TEXT: Caustic Soda

EINECS: 215-185-5

CS: 2815 12 00 00

INDEX NR.: 011-002-00-6

Sodium Hydroxide 1 mol/l (1N) (Reag. Ph.Eur.) volumetric solution

Soda lye

CODE	186982
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 186982.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 186982.0715	PACKAGING SIZE 10 l	Product active until stock lasts.

① Technical data

DENSITY: 1.042 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 186982

PRODUCT NAME: Sodium Hydroxide 1 mol/l (1N) (Reag. Ph.Eur.)
volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Hydrochloric Acid 1M. Indicator: Phenolphthalein
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310

P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide 1 mol/l (1N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 1 mol/l (1N) pharma grade

Soda lye

CODE	192415
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
192415.1212	2.5 l

ⓘ Technical data

DENSITY:	1.042 kg/l
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air

PRODUCT CODE:	192415
PRODUCT NAME:	Sodium Hydroxide 1 mol/l (1N) pharma grade
QUALITY NAME:	pharma grade
HEADLINE COMMENT:	Indicator: Phenolphthalein
SPECIFICATIONS:	Titer at 20°C: 1.00±0.01 Identity according to Pharmacopoeias:: passes

test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.002%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as Na₂CO₃): 1.0%

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

Heavy metals (as Pb): 0.001%

Al: 0.002 %

Ca: 0.005 %

Fe: 0.001 %

K: passes test

Mg: 0.005 %

This product has been manufactured with Sodium Hydroxide which passes the USP-NF, BP and Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314

P PHRASES:	H290
	P260
	P264
	P280
	P301+P330+P331
	P303+P361+P353
	P501
	P304+P340
	P305+P351+P338
	P310
	P321
	P338
	P363
	P405

MASTER NAME:	Sodium Hydroxide 1 mol/l (1N)
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SYNONYMS LONG TEXT:	Soda lye
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EINECS:	215-185-5
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CS:	2815 12 00 00
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INDEX NR.:	011-002-00-6
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Sodium Hydroxide solution (1 M) for molecular biology

CODE

A6579

CAS

1310-73-2

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A6579,1000

PACKAGING SIZE
1 L

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A6579

PRODUCT NAME:

Sodium Hydroxide solution (1 M) for molecular biology

SPECIFICATIONS:

DNases/RNases/Proteases: not detectable

Composition:

NaOH: 40 g/L

HAZARD PICTOGRAMS



UN:

1824

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
EINECS:	215-185-5
CS:	28151200
INDEX NR.:	011-002-00-6

Sodium Hydroxide 1 mol (40.00g NaOH) to prepare 1l of 1N solution

CODE

303126

CAS

1310-73-2

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

303126.1920

PACKAGING SIZE

amp112ml

Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:

liquid

Plastic or glass ampoules containing clear
colourless liquid

PRODUCT CODE:

303126

PRODUCT NAME:

Sodium Hydroxide 1 mol (40.00g NaOH) to
prepare 1l of 1N solution

SPECIFICATIONS:

Titer at 20°C: 0.997 - 1.003

Traceability: See certificate

HAZARD PICTOGRAMS



UN:

1824

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sodium Hydroxide 1 mol *(40,00g NaOH) to prepare 1l of 1N solution
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 1,2 mol/l (1,2N) volumetric solution

Soda lye

CODE	185776
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 185776.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 182159.1211 (please check specifications).

① Technical data

DENSITY: 1.042 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 185776

PRODUCT NAME: Sodium Hydroxide 1,2 mol/l (1,2N) volumetric
solution

QUALITY NAME: volumetric solution

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sodium Hydroxide 1,2 mol/l *(1,2N)
SYNONYMS LONG TEXT:	Soda lye

EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 4 mol/l (4N) volumetric solution

Soda lye

CODE	183466
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 183466.1211	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.153 kg/l
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air

PRODUCT CODE:	183466
PRODUCT NAME:	Sodium Hydroxide 4 mol/l (4N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME: Sodium Hydroxide 4 mol/l *(4N)

SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 2 mol/l (2N) volumetric solution

Soda lye

CODE	182158
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182158.1211	PACKAGING SIZE 1000 ml

ⓘ Technical data

DENSITY:	1.09 kg/l
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air

PRODUCT CODE:	182158
PRODUCT NAME:	Sodium Hydroxide 2 mol/l (2N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001

Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME: Sodium Hydroxide 2 mol/l *(2N)

SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 10 mol/l (10N) volumetric solution

CODE	183508
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 183508.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY:	1.331 kg/l
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	183508
PRODUCT NAME:	Sodium Hydroxide 10 mol/l (10N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Phenolphthalein.
SPECIFICATIONS:	Titer at 20°C: 0.99 - 1.01

Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:

Sodium Hydroxide 10 mol/l *(10N)

EINECS: 215-185-5

CS: 2815 12 00 00

Sodium Hydroxide 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution

Soda lye

CODE	181691
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE
	CODE 181691.1211	PACKAGING SIZE 1000 ml
	CODE 181691.1212	PACKAGING SIZE 2.5 l
	CODE 181691.1214	PACKAGING SIZE 5 l
	CODE 181691.1315	PACKAGING SIZE 10 l

① Technical data

DENSITY: 1.042 kg/l

PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air
PRODUCT CODE:	181691
PRODUCT NAME:	Sodium Hydroxide 1 mol/l (1N) (Reag. USP, Ph. Eur.) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Hydrochloric Acid 1M.
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264

P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide 1 mol/l *(1N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 1 mol/l (1N) (Reag. USP, Ph.Eur.) volumetric solution

Soda lye

CODE	182415
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 182415.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 182415.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 181691.1315 (please check specifications).

① Technical data

DENSITY: 1.042 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 182415

PRODUCT NAME: Sodium Hydroxide 1 mol/l (1N) (Reag. USP,
Ph.Eur.) volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Standardised against Potassium Hydrogen Phthalate. Indicator: Phenolphthalein
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310

P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide 1 mol/l (1N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide N/4.9 VINIKIT, for wine analysis

Caustic Soda

CODE	624782
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 624782.1210	PACKAGING SIZE 500 ml	Product active until stock lasts.

Technical data

DENSITY:	1.007 kg/l
PHYSICAL DESCRIPTION:	liquid absorbs CO2 from air
PRODUCT CODE:	624782
PRODUCT NAME:	Sodium Hydroxide N/4.9 VINIKIT, for wine analysis
QUALITY NAME:	VINIKIT, for wine analysis
HEADLINE COMMENT:	acidimetric liquor for determination of total acidity in wine and mustIndicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 1.000 ±0.001

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H319 H315 H290
P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362

MASTER NAME:	Sodium Hydroxide N/4,9
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5

CS: 2815 12 00 00

INDEX NR.: 011-002-00-6

Sodium Hydroxide micropearls pure

Caustic soda

Assay (Acidim.): 98 %

CODE 145881

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 145881.1214	PACKAGING SIZE 5 kg	Product discontinued. Alternative 141929.1214 (please check specifications).
	CODE 145881.0416	PACKAGING SIZE 25 kg	Product discontinued. Alternative 141929.0416 (please check specifications).

① Technical data

MELTING POINT: 318 °C

BOILING POINT: 1,390 °C

SOLUBILITY: water 1,090 g/l at 20 °C

PHYSICAL DESCRIPTION: solid
caustic , deliquescent , absorbs CO₂ from air

PRODUCT CODE: 145881

PRODUCT NAME:	Sodium Hydroxide micropearls pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 98 % Identity: passes test Insoluble matter in H ₂ O: 0.025 % Nitrogen compounds (as N): 0.002% Phosphate (PO ₄): 0.002 % Sulfate (SO ₄): 0.005% Carbonate (as Na ₂ CO ₃): 1.0% Heavy metals (as Pb): 0.001% Cu: 0,001 % Fe: 0,001 % Ni: 0,001 % Pb: 0,001 %

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260

P280
P303+P361+P353
P501
P305+P351+P338
P310

MASTER NAME:	Sodium Hydroxide *micropearls
SYNONYMS LONG TEXT:	Caustic soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 6 mol/l (6N) pharma grade

Soda lye

CODE

AL6406

CAS

1310-73-2

MOLECULAR FORMULA

NaOH

MOLAR MASS

40.00 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

AL6406.1211

1000 ml

Technical data

DENSITY:

1.213 kg/l

PHYSICAL DESCRIPTION:

liquid
caustic , absorbs CO2 from air

PRODUCT CODE:

AL6406

PRODUCT NAME:

Sodium Hydroxide 6 mol/l (6N) pharma grade

QUALITY NAME:

pharma grade

HEADLINE COMMENT:

Indicator: Phenolphthalein.

SPECIFICATIONS:

Titer at 20°C: 1.00±0.01
Identity according to Pharmacopoeias:: passes

test

Maximum limit of impurities

Appearance of solution: passes test

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.002%

Phosphate (PO₄): 0.002 %

Sulfate (SO₄): 0.005%

Carbonate (as Na₂CO₃): 1.0%

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

Heavy metals (as Pb): 0.001%

Al: 0,002 %

Ca: 0,005 %

Fe: 0,001 %

K: passes test

Mg: 0,005 %

This product has been manufactured with Sodium Hydroxide which passes the USP-NF, BP and Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290

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

MASTER NAME:	Sodium Hydroxide 6 mol/l *(6N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 5 mol/l (5N) volumetric solution

Soda lye

CODE	182159
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 182159.1211	PACKAGING SIZE 1000 ml	
	CODE 182159.1214	PACKAGING SIZE 5 l	Product active until stock lasts.

① Technical data

DENSITY: 1.186 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 182159

PRODUCT NAME: Sodium Hydroxide 5 mol/l (5N) volumetric solution

QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Bromophenol Blue
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338

P363
P405

MASTER NAME:	Sodium Hydroxide 5 mol/l *(5N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide 5 mol/l (5N) pharma grade

Soda lye

CODE	192159
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
192159.1215	10 l

Technical data

DENSITY: 1.186 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 192159

PRODUCT NAME: Sodium Hydroxide 5 mol/l (5N) pharma grade

QUALITY NAME: pharma grade

HEADLINE COMMENT: Indicator: Bromophenol Blue

SPECIFICATIONS: Titer at 20°C: 1.00 ± 0.01
Identity according to Pharmacopoeias:: passes

test

Appearance of solution: passes test

Insoluble substances and organic matter: passes test

Chloride (Cl): 0.005 %

Sulfate (SO₄): 0.005 %

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

Heavy metals (as Pb): 0.002 %

Fe: 0.001 %

Hg: 0.00001 %

K: passes test

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

HAZARD PICTOGRAMS



UN: 1824

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314

P PHRASES: P260
P264
P280
P301+P330+P331

P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide 5 mol/l *(5N)
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide pellets (Reag. USP) for analysis, ACS, ISO

Caustic Soda

Minimum assay (Acidim.): 98.0%

CODE 131687

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (4)



CODE
131687.1210

PACKAGING SIZE
500 g



CODE
131687.1211

PACKAGING SIZE
1000 g



CODE
131687.1214

PACKAGING SIZE
5 kg



CODE
131687.0416

PACKAGING SIZE
25 kg

① Technical data

MELTING POINT: 318 °C

BOILING POINT: 1,390 °C

SOLUBILITY: water 1,090 g/l at 20 °C

PHYSICAL DESCRIPTION: solid
White solid as lentils or flakes, frosted, caustic
deliquescent, absorbing CO₂ from the air

PRODUCT CODE: 131687

PRODUCT NAME: Sodium Hydroxide pellets (Reag. USP) for
analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Minimum assay (Acidim.): 98.0%

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.0005%

Phosphate (PO₄): 0.0005 %

Sulfate (SO₄): 0.003%

Silicate SiO₂: 0.001%

Carbonate (as Na₂CO₃): 1.0%

Heavy metals (as Pb): 0.0005%

Al: 0.0005 %

As: 0.00004 %

Ca: 0.0005 %

Cd: 0.0005 %

Co: 0.0005 %

Cu: 0.0005 %

Fe: 0.0005 %

Hg: 0.00001 %

K: 0.02 %

Mg: 0.0005 %

Mn: 0.0005 %

Ni: 0.0005 %

Pb: 0.0005 %

Zn: 0.001 %

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353 P501 P305+P351+P338 P310

MASTER NAME:	Sodium Hydroxide pellets
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) IPEC grade

Caustic Soda

Assay (Acidim.): 97.0 - 100.5 %

CODE

631687

CAS

1310-73-2

MOLECULAR FORMULA

NaOH

MOLAR MASS

40.00 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

631687.0914

5 kg



CODE

PACKAGING SIZE

631687.0416

25 kg

Technical data

MELTING POINT:

318 °C

BOILING POINT:

1,390 °C

SOLUBILITY:

water 1,090 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

White solid as lentils or flakes, frosted, caustic deliquescent, absorbing CO₂ from the air

PRODUCT CODE:	631687
PRODUCT NAME:	Sodium Hydroxide pellets (Ph. Eur, BP, USP, JP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (Acidim.): 97.0 - 100.5 % Assay (as Na): 54.0 - 59.8 % Identity according to Pharmacopoeias: pH: passes test Sodium: passes test Maximum limit of impurities Appearance of solution Appearance Clear < formazin I: passes test Appearance Colourless: passes test Chloride (Cl): 0.0200 % Sulfate (SO₄): 0.0200 % Carbonate (as Na₂CO₃): 2.0 % Insoluble substances and organic matter: passes test Residual solvents (Ph.Eur/USP): passes test Heavy metals (as Pb): 0.0030% Fe: 0,0010 % Hg: 0,00001 % K (JP): passes test K (USP): 0,5 %

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353 P501 P305+P351+P338 P310

MASTER NAME:	Sodium Hydroxide pellets
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide pellets (E-524, F.C.C.) food grade

Caustic Soda

Assay (as NaOH) of total alkali: 98.0-100.5%

CODE	201687
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 201687.0416	PACKAGING SIZE 25 kg

① Technical data

MELTING POINT:	318 °C
BOILING POINT:	1,390 °C
SOLUBILITY:	water 1,090 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid White solid as lentils or flakes, frosted, caustic deliquescent, absorbing CO2 from the air

PRODUCT CODE:	201687
PRODUCT NAME:	Sodium Hydroxide pellets (E-524, F.C.C.) food

QUALITY NAME:	grade food grade
SPECIFICATIONS:	Assay (as NaOH) of total alkali: 98.0-100.5% Carbonate (as Na ₂ CO ₃), not more than: 0.5% Insoluble substances and organic matter: passes test Arsenic (as As), not more than: 3 ppm Mercury, not more than: 0.1 ppm Lead, not more than: 0.5 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.

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353

P501
P305+P351+P338
P310

MASTER NAME: Sodium Hydroxide pellets

SYNONYMS LONG TEXT: Caustic Soda

EINECS: 215-185-5

CS: 2815 11 00 00

INDEX NR.: 011-002-00-6

Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.) pure, pharma grade

Caustic soda

Assay (Acidim.): 98.0-100.5%

CODE 141929

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (3)



CODE PACKAGING SIZE

CODE 141929.1211 PACKAGING SIZE 1000 g

Product active until stock lasts.



CODE 141929.1214 PACKAGING SIZE 5 kg



CODE 141929.0416 PACKAGING SIZE 25 kg

① Technical data

MELTING POINT: 318 °C

BOILING POINT: 1,390 °C

SOLUBILITY: water 1,090 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid
caustic , deliquescent , absorbs CO₂ from air

PRODUCT CODE:

141929

PRODUCT NAME:

Sodium Hydroxide pearls (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Assay (Acidim.): 98.0-100.5%
Assay (as Na): 54.0-59.8%
Identity according to Pharmacopoeias:: passes
test

Maximum limit of impurities

Appearance of solution: passes test
Insoluble matter in H₂O: 0.025 %
Insoluble substances and organic matter: passes
test
Chloride (Cl): 0.0200%
Nitrogen compounds (as N): 0.002%
Phosphate (PO₄): 0.002 %
Sulfate (SO₄): 0.0200%
Carbonate (as Na₂CO₃): 1.0%
Residual solvents (Ph.Eur/USP): passes test
Fe: 0,001 %
K: 0,5 %

HAZARD PICTOGRAMS



UN:

1823

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

H PHRASES:

H314

H290

P PHRASES:

P260

P280

P303+P361+P353

P501

P305+P351+P338

P310

MASTER NAME:

Sodium Hydroxide *pearls

SYNONYMS LONG TEXT:

Caustic soda

EINECS:

215-185-5

CS:

2815 11 00 00

INDEX NR.:

011-002-00-6

Sodium Hydroxide pearls technical grade

Caustic soda

Assay (Acidim.): 98%

CODE	211929
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 211929.1214	PACKAGING SIZE 5 kg	Product active until stock lasts.

Technical data

MELTING POINT:	318 °C
BOILING POINT:	1,390 °C
SOLUBILITY:	water 1,090 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid caustic , deliquescent , absorbs CO2 from air

PRODUCT CODE:	211929
PRODUCT NAME:	Sodium Hydroxide pearls technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Acidim.): 98%

Fe: 0.005 %

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P280 P303+P361+P353 P501 P305+P351+P338 P310

MASTER NAME:	Sodium Hydroxide *pearls
SYNONYMS LONG TEXT:	Caustic soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 30% w/w pure, pharma grade

Soda lye

Assay (Acidim.): 29.5-30.5 %

CODE

Z44320

CAS

1310-73-2

MOLECULAR FORMULA

NaOH

MOLAR MASS

40.00 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

Z44320.07182

PACKAGING SIZE

7,5 l

① Technical data

DENSITY:

1.328 kg/l

PHYSICAL DESCRIPTION:

liquid

caustic , absorbs CO2 from air

PRODUCT CODE:

Z44320

PRODUCT NAME:

Sodium Hydroxide solution 30% w/w pure,
pharma grade

QUALITY NAME:

pure, pharma grade

SPECIFICATIONS:

Assay (Acidim.): 29.5-30.5 %

Identity
Sodium: positive

Maximum limit of impurities

Chloride (Cl): 0.005%
Nitrogen compounds (as N): 0.002%
Phosphate (PO₄): 0.002 %
Sulfate (SO₄): 0.005%
Carbonate (as Na₂CO₃): 1.0%
Residual solvents (Ph.Eur/USP): passes test
Heavy metals (as Pb): 0.001%
Fe: 0.001 %
K: passes test
This product has been manufactured with Sodium Hydroxide which passes USP-NF, BP and Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353

P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide solution 30% w/w
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 30% w/w pure, pharma grade

Soda lye

Assay (Acidim.): 29.5-30.5 %

CODE	144320
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
144320.07103	18,5 l

① Technical data

DENSITY: 1.328 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 144320

PRODUCT NAME: Sodium Hydroxide solution 30% w/w pure,
pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.): 29.5-30.5 %

Identity
Sodium: positive

Maximum limit of impurities

Chloride (Cl): 0.005%
Nitrogen compounds (as N): 0.002%
Phosphate (PO₄): 0.002 %
Sulfate (SO₄): 0.005%
Carbonate (as Na₂CO₃): 1.0%
Residual solvents (Ph.Eur/USP): passes test
Heavy metals (as Pb): 0.001%
Fe: 0.001 %
K: passes test
This product has been manufactured with Sodium Hydroxide which passes USP-NF, BP and Ph. Eur. specifications.

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353

P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide solution 30% w/w
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 30% w/v

Soda lye

Assay (Acidim.): 30%

CODE	171690
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 171690.1210	PACKAGING SIZE 500 ml	Product active until stock lasts.

Technical data

DENSITY:	1.26 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air

PRODUCT CODE:	171690
PRODUCT NAME:	Sodium Hydroxide solution 30% w/v
SPECIFICATIONS:	Assay (Acidim.): 30%
	Maximum limit of impurities Chloride (Cl): 0.01%

Phosphate (PO₄): 0.002 %
Sulfate (SO₄): 0.01%
Carbonate (as Na₂CO₃): 1%

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sodium Hydroxide solution 30% w/v
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SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 25% w/w pure, pharma grade

Soda lye

Assay (Acidim.) (w/w): 23.0-27.0 %

CODE

LZ3402

CAS

1310-73-2

MOLECULAR FORMULA

HNaO

MOLAR MASS

40.00 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

LZ3402.1212

PACKAGING SIZE

2.5 l



CODE

LZ3402.9774

PACKAGING SIZE

1000 l

Technical data

DENSITY:

1.276 kg/l

PHYSICAL DESCRIPTION:

liquid
caustic , absorbs CO2 from air

PRODUCT CODE:

LZ3402

PRODUCT NAME:

Sodium Hydroxide solution 25% w/w pure,
pharma grade

QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.) (w/w): 23.0-27.0 % Maximum limit of impurities Chloride (Cl): 0.005% Nitrogen compounds (as N): 0.002% Phosphate (PO₄): 0.002 % Sulfate (SO₄): 0.005% Carbonate (as Na₂CO₃): 1.0% Identification: Sodium: positive Residual solvents (Ph.Eur/USP): passes test Heavy metals (as Pb): 0.001% Al: 0.002 % Ca: 0.005 % Fe: 0.001 % K: passes test Mg: 0.005 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	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:	Sodium Hydroxide solution 25% w/w
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide pellets technical grade

Caustic Soda

Assay (Acidim.): 98%

CODE 211687

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (3)



CODE PACKAGING SIZE

CODE 211687.1211 PACKAGING SIZE 1000 g

Product active until stock lasts.



CODE 211687.1214 PACKAGING SIZE 5 kg



CODE 211687.0416 PACKAGING SIZE 25 kg

① Technical data

MELTING POINT: 318 °C

BOILING POINT: 1,390 °C

SOLUBILITY: water 1,090 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

White solid as lentils or flakes, frosted, caustic deliquescent, absorbing CO2 from the air

PRODUCT CODE:	211687
PRODUCT NAME:	Sodium Hydroxide pellets technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Acidim.): 98% Insoluble matter in H2O: 0.05 % Chloride (Cl): 0.01% Sulfate (SO4): 0.01% Heavy metals (as Pb): 0.005% As: 0.0003 % Fe: 0.005 %

HAZARD PICTOGRAMS



UN:	1823
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260

P280
P303+P361+P353
P501
P305+P351+P338
P310

MASTER NAME:	Sodium Hydroxide pellets
SYNONYMS LONG TEXT:	Caustic Soda
EINECS:	215-185-5
CS:	2815 11 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 40% w/v for analysis

Soda Lye

Minimum assay (Acidim.): 40%

CODE	121593
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE	
CODE 121593.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 171220.1214 (please check specifications).

① Technical data

DENSITY: 1.33 kg/l

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 121593

PRODUCT NAME: Sodium Hydroxide solution 40% w/v for analysis

QUALITY NAME: for analysis

HEADLINE COMMENT: for the N determination in milk according to
ISO8968-3:2004

SPECIFICATIONS:

Minimum assay (Acidim.): 40%

Maximum limit of impurities

Chloride (Cl): 0.006%

Nitrogen compounds (as N): 0.0005%

Phosphate (PO₄): 0.0005 %Sulfate (SO₄): 0.002%Silicate (as SiO₂): 0.001%Carbonate (as Na₂CO₃): 1.0%

Heavy metals (as Pb): 0.0005%

Al: 0.0005 %

As: 0.00004 %

Ca: 0.001 %

Cu: 0.0005 %

Fe: 0.0005 %

K: 0.02 %

Mg: 0.0005 %

Ni: 0.0005 %

Pb: 0.0005 %

Zn: 0.001 %

HAZARD PICTOGRAMS

UN: 1824

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

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

MASTER NAME:	Sodium Hydroxide solution 40% w/v
SYNONYMS LONG TEXT:	Soda Lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 32 % w/w technical grade

Assay (titr.): approx. 32 %

CODE	216682
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 216682.1214	PACKAGING SIZE 5 L
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Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:	Liquid
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PRODUCT CODE:	216682
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PRODUCT NAME:	Sodium Hydroxide solution 32 % w/w technical grade
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SPECIFICATIONS:	Assay (titr.): approx. 32 % Density (d 20°C): approx. 1.35 g/cm ³
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HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
EINECS:	215-185-5
CS:	28151200
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 32 % w/w for nitrogen determination

Assay (titr.): min. 32 %

CODE	176682
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 176682.1212	PACKAGING SIZE 2.5 L	Product active until stock lasts.
	CODE 176682.1214	PACKAGING SIZE 5 L	
	CODE 176682.0715	PACKAGING SIZE 10 L	
	CODE 176682.0716	PACKAGING SIZE 25 L	

Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE:	176682
PRODUCT NAME:	Sodium Hydroxide solution 32 % w/w for nitrogen determination
SPECIFICATIONS:	Assay (titr.): min. 32 % Density (d 20°C): approx. 1.35 g/cm ³ Total N: max. 0.0001 % Carbonate: max. 0.2 % Sulfate: max. 0.003 % Chloride: max. 0.004 % Silicate: max. 0.001 % Al: max. 0.0005 % Pb: max. 0.0005 % Fe: max. 0.0005 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353

P305+P351+P338

P310

P321

P405

P501

EINECS: 215-185-5

CS: 28151200

INDEX NR.: 011-002-00-6

Sodium Hydroxide solution 32 % w/w for analysis

Assay (titr.): min. 32 %

CODE	126682
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 126682.1212	PACKAGING SIZE 2.5 L



CODE	PACKAGING SIZE
CODE 126682.0715	PACKAGING SIZE 10 L

① Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 126682

PRODUCT NAME: Sodium Hydroxide solution 32 % w/w for analysis

SPECIFICATIONS:

- Assay (titr.): min. 32 %
- Density (d 20°C): approx. 1.35 g/cm³
- Total N: max. 0.0003 %
- Carbonate: max. 0.2 %

Chloride: max. 0.004 %
Silicate: max. 0.005 %
Sulfate: max. 0.003 %
Al: max. 0.0005 %
Fe: max. 0.0005 %
Pb: max. 0.0005 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501

EINECS:	215-185-5
CS:	28151200
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 32% w/v for the determination of nitrogen

Soda lye

Assay (Acidim.): 32-34 %

CODE 122666

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (2)



CODE PACKAGING SIZE

CODE 122666.1211 PACKAGING SIZE 1000 ml



CODE 122666.1214 PACKAGING SIZE 5 l

Technical data

DENSITY: 1.28 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 122666

PRODUCT NAME: Sodium Hydroxide solution 32% w/v for the determination of nitrogen

QUALITY NAME: for the determination of nitrogen

SPECIFICATIONS: Assay (Acidim.): 32-34 %

Maximum limit of impurities

Chloride (Cl): 0.006%

Nitrogen compounds (as N): 0.0001%

Phosphate (PO₄): 0.0005 %

Sulfate (SO₄): 0.002%

Silicate (as SiO₂): 0.001%

Carbonate (as Na₂CO₃): 1.0%

Heavy metals (as Pb): 0.0005%

Al: 0.0005 %

As: 0.00004 %

Ca: 0.0005 %

Cu: 0.0005 %

Fe: 0.0005 %

K: 0.02 %

Mg: 0.0005 %

Ni: 0.0005 %

Pb: 0.0005 %

Zn: 0.001 %

HAZARD PICTOGRAMS



UN: 1824

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

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

MASTER NAME:	Sodium Hydroxide solution 32% w/v
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

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

2,4-Hexadienoic Acid

Assay (C₆H₈O₂) calc. a.d.s.: 99.0-101.0%

CODE 141055

CAS 110-44-1

MOLECULAR FORMULA C₆H₈O₂

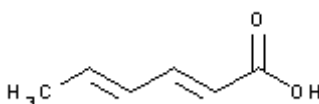
MOLAR MASS 112.13 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 141055.0416 PACKAGING SIZE 25 kg



① Technical data

MELTING POINT: 134 °C

BOILING POINT: 228 °C

SOLUBILITY: water 2.5 g/l at 25 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE:	141055
PRODUCT NAME:	Sorbic Acid (BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (C₆H₈O₂) calc. a.d.s.: 99.0-101.0% Identity according to Pharmacopoeias:: passes test Melting range: 132-135°C Maximum limit of impurities Appearance of solution: passes test Insoluble matter in CH₃CH₂OH: passes test Residue on ignition (as SO₄): 0.2 % Sulfate (SO₄): 0.005% Residual solvents (Ph.Eur.): passes test Aldehydes (as C₂H₄O): 0.15% Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H335 H315
P PHRASES:	P261 P264 P271 P280 P304+P340 P501

P305+P351+P338

P312

P337+P313

P403+P233

P405

MASTER NAME:

Sorbic Acid

SYNONYMS LONG TEXT:

2,4-Hexadienoic Acid

EINECS:

203-768-7

CS:

2916 19 95 90

Sodium Hydroxide solution 50% w/w pure

Soda lye

Assay (Acidim.): 49.0 - 51.0%

CODE 142404

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 142404.1211	PACKAGING SIZE 1000 ml	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.
	CODE 142404.1214	PACKAGING SIZE 5 l	Product active until stock lasts.

① Technical data

DENSITY: 1.52 kg/l

SOLUBILITY: Soluble in water.

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO2 from air

PRODUCT CODE: 142404

PRODUCT NAME: Sodium Hydroxide solution 50% w/w pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 49.0 - 51.0% Chloride (Cl): 0.01% Nitrogen compounds (as N): 0.002% Phosphate (PO4): 0.002 % Sulfate (SO4): 0.01% Carbonate (as Na2CO3): 1% Heavy metals (as Pb): 0.002% Al: 0.002 % As: 0.00004 % Ca: 0.005 % Cu: 0.001 % Fe: 0.005 % Mg: 0.005 % Ni: 0.001 % Pb: 0.001 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290

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

MASTER NAME:	Sodium Hydroxide solution 50% w/w
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 50% w/v pure

Soda lye

Assay (Acidim.): 49.5 - 50.5%

CODE 141571

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (2)



CODE PACKAGING SIZE

CODE PACKAGING SIZE
141571.1214 5 l



CODE PACKAGING SIZE
141571.0715 10 l

① Technical data

DENSITY: 1.39 kg/l

SOLUBILITY: Soluble in water.

PHYSICAL DESCRIPTION: liquid
caustic , absorbs CO₂ from air

PRODUCT CODE: 141571

PRODUCT NAME: Sodium Hydroxide solution 50% w/v pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Acidim.): 49.5 - 50.5% Chloride (Cl): 0.01% Nitrogen compounds (as N): 0.002% Phosphate (PO ₄): 0.002 % Sulfate (SO ₄): 0.01% Carbonate (as Na ₂ CO ₃): 1.0% Heavy metals (as Pb): 0.002% Al: 0.002 % As: 0.00004 % Ca: 0.005 % Cu: 0.001 % Fe: 0.005 % Mg: 0.005 % Ni: 0.001 % Pb: 0.001 %

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260

P264
P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hydroxide solution 50% w/v
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 40% w/w for the determination of nitrogen

Soda lye

Minimum assay (Acidim.): 40%

CODE 171220

CAS 1310-73-2

MOLECULAR FORMULA NaOH

MOLAR MASS 40.00 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
CODE 171220.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 171220.0715	PACKAGING SIZE 10 l



CODE	PACKAGING SIZE
CODE 171220.1315	PACKAGING SIZE 10 l



CODE	PACKAGING SIZE
CODE 171220.0716	PACKAGING SIZE 25 l

① Technical data

DENSITY: 1.43 kg/l

SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid caustic , absorbs CO2 from air

PRODUCT CODE:	171220
PRODUCT NAME:	Sodium Hydroxide solution 40% w/w for the determination of nitrogen
QUALITY NAME:	for the determination of nitrogen
SPECIFICATIONS:	Minimum assay (Acidim.): 40% Maximum limit of impurities Nitrogen compounds (as N): 0.002% Carbonate (as Na2CO3): 1.0%

HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314

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

MASTER NAME:	Sodium Hydroxide solution 40% w/w
SYNONYMS LONG TEXT:	Soda lye
EINECS:	215-185-5
CS:	2815 12 00 00
INDEX NR.:	011-002-00-6

Sodium Hydroxide solution 40 % w/w pure

Assay (titr.): approx. 40 %

CODE	141220
CAS	1310-73-2
MOLECULAR FORMULA	NaOH
MOLAR MASS	40.00 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 141220.1214	PACKAGING SIZE 5 L
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Product active until stock lasts.

① Technical data

PHYSICAL DESCRIPTION:	Liquid
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PRODUCT CODE:	141220
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PRODUCT NAME:	Sodium Hydroxide solution 40 % w/w pure
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SPECIFICATIONS:	Assay (titr.): approx. 40 % Total N: max. 0.0003 % Carbonate: max. 1 % Chloride: max. 0.01 % Silicate: max. 0.005 % Sulfate: max. 0.005 % Al: max. 0.0005 % Fe: max. 0.0005 % Pb: max. 0.0005 %
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HAZARD PICTOGRAMS



UN:	1824
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501
EINECS:	215-185-5
CS:	28151200
INDEX NR.:	011-002-00-6

Sulfuric Acid 0.025 mol/l (0.05N) volumetric solution

CODE	182103
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182103.1211	PACKAGING SIZE 1000 ml

Technical data

DENSITY: 1.000 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182103

PRODUCT NAME: Sulfuric Acid 0.025 mol/l (0.05N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Sulphuric Acid 0,025 mol/l *(0,05N)
EINECS:	231-639-5
CS:	2807 00 00 00

Sulfuric Acid 0.01 mol/l (0.02N) volumetric solution

CODE	182102
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182102.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.001 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182102

PRODUCT NAME: Sulfuric Acid 0.01 mol/l (0.02N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Sulphuric Acid 0,01 mol/l *(0,02N)
EINECS:	231-639-5
CS:	2807 00 00 00

Sulfanilic Acid (Reag. USP, Ph. Eur.) for analysis, ACS

4-Aminobenzenesulphonic Acid, Anilin-4-Sulphonic Acid

Assay (Acidim.): 99.5-102.0%

CODE

131057

CAS

121-57-3

MOLECULAR FORMULA

$C_6H_7NO_3S$

MOLAR MASS

173.19 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

131057.1209

PACKAGING SIZE

250 g

Product active until stock lasts.



① Technical data

SOLUBILITY:

water 10 g/l at 20 °C

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

131057

PRODUCT NAME:

Sulfanilic Acid (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Assay (Acidim.): 99.5-102.0% Identity: IR passes test Maximum limit of impurities Insoluble matter in Na ₂ CO ₃ : 0.01 % Residue on ignition: 0.01 % Chloride (Cl): 0.002% Sulfate (SO ₄): 0.01% Sensitivity to NO ₂ : passes test Nitrite (NO ₂): 0.00005% Heavy metals (as Pb): 0.001% Ca: 0.001 % 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 H315 H317

P PHRASES:	P261
	P264
	P272
	P280
	P302+P352
	P501
	P305+P351+P338
	P321
	P332+P313
	P333+P313
	P337+P313
	P362
	P363

MASTER NAME:	Sulphanilic Acid
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SYNONYMS LONG TEXT:	4-Aminobenzenesulphonic Acid, Anilin-4-SulphonicAcid
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EINECS:	204-482-5
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CS:	2921 42 00 90
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INDEX NR.:	612-014-00-X
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Succinic Acid (Reag. USP) for analysis, ACS

Butanedioic Acid

Minimum assay (Acidim.): 99.0%

CODE

131883

CAS

110-15-6

MOLECULAR FORMULA

$\text{HOOCCH}_2\text{CH}_2\text{COOH}$

MOLAR MASS

118.09 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

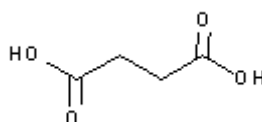
CODE
131883.1211

PACKAGING SIZE
1000 g



CODE
131883.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 187 °C

BOILING POINT: 235 °C

SOLUBILITY: water 70 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131883

PRODUCT NAME: Succinic Acid (Reag. USP) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (Acidim.): 99.0%
Identity: IR passes test
Melting range: 185.0-190.0°C

Maximum limit of impurities

Insoluble matter in H₂O: 0.005 %

Residue on ignition: 0.02 %

Chloride (Cl): 0.001%

Nitrogen compounds (as N): 0.001%

Phosphate (PO₄): 0.001 %

Sulfate (SO₄): 0.003%

Heavy metals (as Pb): 0.0005%

As: 0.0001 %

Ca: 0.005 %

Cd: 0.0005 %

Co: 0.0005 %

Cu: 0.0005 %

Fe: 0.0005 %

Mg: 0.005 %

Mn: 0.0005 %

Ni: 0.0005 %

Pb: 0.0005 %

Zn: 0.0005 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H318
P PHRASES:	P264 P280 P305+P351+P338 P337+P313

MASTER NAME:	Succinic Acid
SYNONYMS LONG TEXT:	Butanedioic Acid
EINECS:	203-740-4
CS:	2917 19 80 90

Sorbic Acid (E-200, F.C.C.) food grade

2,4-Hexadienoic Acid

Assay (C₆H₈O₂) , calculated on the anhy. basis: 99.0-101.0%

CODE	201055
CAS	110-44-1
MOLECULAR FORMULA	C ₆ H ₈ O ₂
MOLAR MASS	112.13 g/mol

Packs sizes (1)



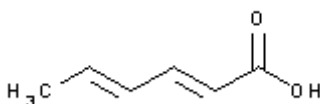
CODE

CODE
201055.0416

PACKAGING
SIZE

PACKAGING
SIZE
25 kg

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



① Technical data

MELTING POINT:	134 °C
BOILING POINT:	228 °C
SOLUBILITY:	water 2.5 g/l at 25 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	201055
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PRODUCT NAME:	Sorbic Acid (E-200, F.C.C.) food grade
QUALITY NAME:	food grade
SPECIFICATIONS:	Assay (C₆H₈O₂) , calculated on the anhy. basis: 99.0-101.0% Melting range: 133-135°C Residue on ignition , not more than: 0.2 % Aldehydes (as formaldehyde), not more than: 0.1% Arsenic (as As), not more than: 3 ppm Mercury (Hg), not more than: 1 ppm Lead, not more than: 2 ppm Water , not more than: 0.5 % Heavy metals (as Pb) , not more than: 10 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:	Storage away from direct light.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H335 H315
P PHRASES:	P261 P264 P271 P280 P304+P340 P501 P305+P351+P338

P312
P337+P313
P403+P233
P405

MASTER NAME:	Sorbic Acid
SYNONYMS LONG TEXT:	2,4-Hexadienoic Acid
EINECS:	203-768-7
CS:	2916 19 95 90

Sulfuric Acid 0.25 mol/l (0.5N) volumetric solution

CODE	181060
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 181060.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 181060.1212	PACKAGING SIZE 2.5 l	Product discontinued. Alternative 181059.1211 (please check specifications).
	CODE 181060.1315	PACKAGING SIZE 10 l	

① Technical data

DENSITY: 1.016 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 181060

PRODUCT NAME:	Sulfuric Acid 0.25 mol/l (0.5N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P406 P390

MASTER NAME:	Sulphuric Acid 0,25 mol/l *(0,5N)
EINECS:	231-639-5
CS:	2807 00 00 00

Sulfuric Acid 0.1275 mol/l (0.255N) volumetric solution

CODE	183335
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 183335.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 183335.1315	PACKAGING SIZE 10 l

① Technical data

DENSITY: 1.011 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 183335

PRODUCT NAME: Sulfuric Acid 0.1275 mol/l (0.255N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: for determination of raw fibre according to Weende. Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN: 2796

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: nwg

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS05

H PHRASES: H290

P PHRASES: P234
P390
P406

MASTER NAME: Sulphuric Acid 0,1275 mol/l *(0,255N)

EINECS: 231-639-5

CS: 2807 00 00 00

Sulfuric Acid 0.1 mol/l (0.2N) volumetric solution

CODE	182011
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
182011.1211	1000 ml

Technical data

DENSITY: 1.005 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182011

PRODUCT NAME: Sulfuric Acid 0.1 mol/l (0.2N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Sulphuric Acid 0,1 mol/l *(0,2N)
EINECS:	231-639-5
CS:	2807 00 00 00

Sulfuric Acid 0.05 mol/l (0.1N) volumetric solution

CODE	181061
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
CODE 181061.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 181061.1214	PACKAGING SIZE 5 l

Product active until stock lasts.



CODE	PACKAGING SIZE
CODE 181061.1315	PACKAGING SIZE 10 l



CODE	PACKAGING SIZE
CODE 181061.0716	PACKAGING SIZE 25 l

① Technical data

DENSITY: 1.002 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	181061
PRODUCT NAME:	Sulfuric Acid 0.05 mol/l (0.1N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P406 P390

MASTER NAME:	Sulphuric Acid 0,05 mol/l *(0,1N)
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EINECS:

231-639-5

CS:

2807 00 00 00

Sulfuric Acid 0.05 mol (4.904g H₂SO₄) to prepare 1l of 0.1N solution

CODE	303114
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 303114.1920	PACKAGING SIZE amp53ml	Product discontinued. Alternative 181061.1211 (please check specifications).

Technical data

PHYSICAL DESCRIPTION:	liquid Plastic or glass ampoules containing clear colourless liquid
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PRODUCT CODE:	303114
PRODUCT NAME:	Sulfuric Acid 0.05 mol (4.904g H ₂ SO ₄) to prepare 1l of 0.1N solution
SPECIFICATIONS:	Titer at 20°C: 0.997 - 1.003 Traceability: See certificate

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	nwg
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS05
H PHRASES:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:	Sulphuric Acid 0,05 mol *(4,904g H ₂ SO ₄) to prepare 1l of 0,1N solution
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 2 mol/l (4N) volumetric solution

CODE

183426

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
183426.1211

PACKAGING SIZE
1000 ML

① Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 183426

PRODUCT NAME: Sulfuric Acid 2 mol/l (4N) volumetric solution

SPECIFICATIONS: Factor limits: 0.998 - 1.002

HAZARD PICTOGRAMS



UN: 2796

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA:	8/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501

EINECS:	231-639-5
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CS:	28070000
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INDEX NR.:	016-020-00-8
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Sulfuric Acid 2.5 mol/l (5N) volumetric solution

CODE	182106
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 182106.1211	PACKAGING SIZE 1000 ml

① Technical data

BOILING POINT: ~ 103 °C

DENSITY: 1.15 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182106

PRODUCT NAME: Sulfuric Acid 2.5 mol/l (5N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sulphuric Acid 2,5 mol/l *(5N)
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EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 10% pure

Assay (titr.): 9.5 - 11.0 %

CODE	145882
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 145882.1212	PACKAGING SIZE 2.5 L

Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 145882

PRODUCT NAME: Sulfuric Acid 10% pure

SPECIFICATIONS:

Assay (titr.): 9.5 - 11.0 %
Chloride: max. 0.001 %
Nitrate: max. 0.001 %
Phosphate: max. 0.005 %
Al: max. 0.0005 %
As: max. 0.0001 %
Ca: max. 0.001 %
Fe: max. 0.005 %
Na: max. 0.005 %
Ni: max. 0.0005 %

Pb: max. 0.0001 %

Zn: max. 0.0005 %

HAZARD PICTOGRAMS



UN: 2796

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Attention

GHS SYMBOLS: GHS05

H PHRASES: H290
H315
H319

P PHRASES: P280
P305+P351+P338
P332+P313
P337+P313
P362+P364
P406

EINECS: 231-639-5

CS: 28070000

INDEX NR.: 016-020-00-8

Sulfuric Acid 1 mol/l (2N) volumetric solution

CODE	182105
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 182105.1208	PACKAGING SIZE 100 ml



CODE	PACKAGING SIZE
CODE 182105.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 182105.1214	PACKAGING SIZE 5 l

Product active until stock lasts.

① Technical data

DENSITY: 1.06 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 182105

PRODUCT NAME:

Sulfuric Acid 1 mol/l (2N) volumetric solution

QUALITY NAME: volumetric solution

HEADLINE COMMENT: Indicator: Methyl Red

SPECIFICATIONS: Titer at 20°C: 0.999 - 1.001
Uncertainty: See certificate
Traceability: NIST

HAZARD PICTOGRAMS



UN: 2796

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: H319
H315
H290

P PHRASES: P332+P313
P280
P362+P364
P305+P351+P338
P337+P313
P406

MASTER NAME: Sulphuric Acid 1 mol/l *(2N)

EINECS: 231-639-5

CS: 2807 00 00 00

INDEX NR.: 016-020-00-8

Sulfuric Acid 0.5 mol/l (1N) volumetric solution

CODE	181059
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 181059.1211	PACKAGING SIZE 1000 ml	
	CODE 181059.1212	PACKAGING SIZE 2.5 l	Product active until stock lasts.
	CODE 181059.1315	PACKAGING SIZE 10 l	
	CODE 181059.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 181059.1315 (please check specifications).

① Technical data

DENSITY: 1.030 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	181059
PRODUCT NAME:	Sulfuric Acid 0.5 mol/l (1N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
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:	H290
P PHRASES:	P234 P390 P406

MASTER NAME:

Sulphuric Acid 0,5 mol/l *(1N)

EINECS:

231-639-5

CS:

2807 00 00 00

Sulfuric Acid 93-98% for trace metal analysis (ppb)

Assay (Acidim.): 93-98 %

CODE	721058
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 721058.0011	PACKAGING SIZE 1000 ml	Product active until stock lasts.

Technical data

MELTING POINT:	-15 °C
BOILING POINT:	330 °C
DENSITY:	1.84 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	721058
PRODUCT NAME:	Sulfuric Acid 93-98% for trace metal analysis (ppb)
QUALITY NAME:	for trace metal analysis (ppb)

SPECIFICATIONS:

Assay (Acidim.): 93-98 %

Maximum limit of impurities

APHA colour: 10

Reducing substance to KMnO_4 : 0.002 %

Chloride (Cl): 0.00007%

Total Phosphorus: 0.000005%

Nitrate (NO_3): 0.00002%

Metals by ICP (ppb)

Ag: 1

Al: 1

As: 0.5

Au: 0.5

Ba: 0.1

Be: 0.1

Bi: 0.1

Ca: 1

Cd: 0.5

Ce: 0.1

Co: 0.5

Cr: 0.5

Cs: 0.1

Cu: 0.5

Dy: 0.1

Er: 0.1

Eu: 0.1

Fe: 1

Ga: 0.1

Gd: 0.1

Ge: 1

Hf: 0.1

Hg: 0.1

Ho: 0.1

In: 0.1

K: 1

La: 0.1

Li: 0.5

Lu: 0.1

Mg: 1

Mn: 0.5

Mo: 0.5

Na: 1

Nb: 0.1

Nd: 0.1
Ni: 0.5
Pb: 0.1
Pr: 0.1
Rb: 0.5
Rh: 0.5
Sb: 1
Sc: 0.1
Se: 10
Sm: 0.1
Sn: 1
Sr: 0.5
Tb: 0.1
Te: 0.1
Th: 0.1
Ti: 1
Tl: 0.1
Tm: 0.1
U: 0.1
V: 0.5
W: 0.5
Y: 0.1
Yb: 0.1
Zn: 1
Zr: 0.5

HAZARD PICTOGRAMS



UN:	1830
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.

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

MASTER NAME:	Sulfuric Acid 93-98%
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 90-91% according to Gerber for analysis

Assay (Acidim.): 90-91 %

CODE	121010
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE	
	CODE 121010.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 121010.1611	PACKAGING SIZE 1000 ml	
	CODE 121010.1212	PACKAGING SIZE 2.5 l	
	CODE 121010.1612	PACKAGING SIZE 2.5 l	
	CODE 121010.1214	PACKAGING SIZE 5 l	

Technical data

BOILING POINT: 300 °C

DENSITY: 1.823 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 121010

PRODUCT NAME: Sulfuric Acid 90-91% according to Gerber for analysis

QUALITY NAME: for analysis

HEADLINE COMMENT: for determination of fat in milk

SPECIFICATIONS: Assay (Acidim.): 90-91 %
Density 20/4: 1.815-1.821
Suitability: for fatty determination, according to Gerber: passes test

Maximum limit of impurities

Nitrate (NO₃): 0.00005%

HAZARD PICTOGRAMS



UN: 1830

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sulphuric Acid 90-91% according to Gerber
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 75 % for analysis

Assay: min. 75 %

CODE	123374
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 123374.1212	PACKAGING SIZE 2.5 L

Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 123374

PRODUCT NAME: Sulfuric Acid 75 % for analysis

SPECIFICATIONS:

Assay: min. 75 %
Chloride: max. 0.00001 %
Nitrate: max. 0.00002 %
Phosphate: max. 0.00005 %
Al: max. 0.000005 %
As: max. 0.000001 %
Ca: max. 0.00005 %
Na: max. 0.00005 %
Ni: max. 0.000002 %
Pb: max. 0.000002 %

Zn: max. 0.000005 %

Fe: max. 0.00002 %

HAZARD PICTOGRAMS



UN: 1830

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H290
H314

P PHRASES: P280
P303+P361+P353
P305+P351+P338
P310
P321
P405
P501

EINECS: 231-639-5

CS: 28070000

INDEX NR.: 016-020-00-8

Sulfuric Acid 62% (d=1,522) according to Van Gulik for analysis

CODE	173253
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 173253.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 173253.1214	PACKAGING SIZE 5 l

Product active until stock lasts.



CODE	PACKAGING SIZE
CODE 173253.0716	PACKAGING SIZE 25 l

① Technical data

DENSITY: 1.522 kg/l

SOLUBILITY: Soluble in water.

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	173253
PRODUCT NAME:	Sulfuric Acid 62% (d=1,522) according to Van Gulik for analysis
QUALITY NAME:	for analysis
HEADLINE COMMENT:	for determination of fat in cheese
SPECIFICATIONS:	Density 20/4: 1.517-1.527

HAZARD PICTOGRAMS



UN:	1830
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338

P310
P321
P338
P363
P405
P501

MASTER NAME: Sulphuric Acid 62% (d=1,522) according to Van Gulik

EINECS: 231-639-5

CS: 2807 00 00 00

INDEX NR.: 016-020-00-8

Sulfuric Acid 25% for analysis

Minimum assay (Acidim.): 25%

CODE

122448

CAS

7664-93-9

MOLECULAR FORMULA

H₂SO₄

MOLAR MASS

98.08 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

122448.1211

PACKAGING SIZE

1000 ml



CODE

122448.1212

PACKAGING SIZE

2,5 l

Technical data

BOILING POINT:

103 °C

DENSITY:

1.181 kg/l

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

122448

PRODUCT NAME:

Sulfuric Acid 25% for analysis

QUALITY NAME:

for analysis

SPECIFICATIONS:

Minimum assay (Acidim.): 25%

Maximum limit of impurities

APHA colour: 10

Reducing substance to KMnO_4 (as SO_2): 0.0002 %

Residue on ignition: 0.0005 %

Chloride (Cl): 0.00002%

Ammonium (NH_4): 0.0002%

Phosphate (PO_4): 0.00005 %

Nitrate (NO_3): 0.00002%

Heavy metals (as Pb): 0.0001%

Ag: 0.000002 %

Al: 0.000005 %

As: 0.000001 %

Be: 0.000002 %

Ca: 0.00002 %

Cd: 0.000002 %

Co: 0.000002 %

Cr: 0.000005 %

Cu: 0.000001 %

Fe: 0.00001 %

K: 0.00001 %

Li: 0.000002 %

Mg: 0.000005 %

Mn: 0.000001 %

Na: 0.00005 %

Ni: 0.000002 %

Pb: 0.000002 %

Sr: 0.000002 %

Zn: 0.000005 %

HAZARD PICTOGRAMS



UN:

2796

CLASS/PG:

8/II

ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314 H290 H318
P PHRASES:	P305+P351+P338 P310 P280 P321 P303+P361+P353 P501 P405

MASTER NAME:	Sulphuric Acid 25%
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 98% for the determination of nitrogen

Minimum assay (Acidim.): $98 \pm 1 \%$

CODE	173163
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	Product active until stock lasts.
	CODE 173163.1611	PACKAGING SIZE 1000 ml	
	CODE 173163.1212	PACKAGING SIZE 2,5 l	
	CODE 173163.1612	PACKAGING SIZE 2.5 l	
	CODE 173163.0716	PACKAGING SIZE 25 l	

Technical data

MELTING POINT: -15 °C

BOILING POINT: 330 °C

DENSITY: 1.84 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 173163

PRODUCT NAME: Sulfuric Acid 98% for the determination of nitrogen

QUALITY NAME: for the determination of nitrogen

SPECIFICATIONS: Minimum assay (Acidim.): 98 ± 1 %

Maximum limit of impurities

Residue on ignition: 0.0005 %

Nitrogen compounds (as N): 0.0005%

HAZARD PICTOGRAMS



UN: 1830

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314

P PHRASES:	H318
	P260
	P264
	P280
	P301+P330+P331
	P303+P361+P353
	P501
	P304+P340
	P305+P351+P338
	P310
	P321
	P338
	P363
	P405

MASTER NAME:	Sulphuric Acid 98%
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EINECS:	231-639-5
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CS:	2807 00 00 00
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INDEX NR.:	016-020-00-8
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Sulfuric Acid 96% technical grade

Assay (Acidim.): 96%

CODE

211058

CAS

7664-93-9

MOLECULAR FORMULA

H₂SO₄

MOLAR MASS

98.08 g/mol

Packs sizes (4)



CODE

CODE
211058.1611

PACKAGING SIZE

PACKAGING SIZE
1000 ml



CODE

211058.1212

PACKAGING SIZE

2,5 l

Product active until stock lasts.



CODE

211058.1214

PACKAGING SIZE

5 l



CODE

211058.0716

PACKAGING SIZE

25 l

① Technical data

MELTING POINT:

-15 °C

BOILING POINT:

330 °C

DENSITY: 1.84 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 211058

PRODUCT NAME: Sulfuric Acid 96% technical grade

QUALITY NAME: technical grade

SPECIFICATIONS: Assay (Acidim.): 96%
Fe: 0.01 %
Pb: 0.01 %

HAZARD PICTOGRAMS



UN: 1830

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H314

P PHRASES: P260
P264
P280
P301+P330+P331

P303+P361+P353

P501

P304+P340

P305+P351+P338

P310

P321

P338

P363

P405

MASTER NAME:

Sulfuric Acid 93-98%

EINECS:

231-639-5

CS:

2807 00 00 00

INDEX NR.:

016-020-00-8

Sulfuric Acid 95-97% (max. 0.0000005% Hg) (Reag. Ph. Eur., USP) for analysis, ACS, ISO

Assay (Acidim.): 95.0% - 97.0%

CODE	131058
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (7)

	CODE	PACKAGING SIZE	
	CODE 131058.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 131058.1611	PACKAGING SIZE 1000 ml	
	CODE 131058.1212	PACKAGING SIZE 2.5 l	
	CODE 131058.1612	PACKAGING SIZE 2.5 l	



CODE
131058.1214

PACKAGING SIZE
5 l



CODE
131058.0716

PACKAGING SIZE
25 l



CODE
131058.0719

PACKAGING SIZE
200 l

① Technical data

MELTING POINT: -15 °C

BOILING POINT: 330 °C

DENSITY: 1.84 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131058

PRODUCT NAME: Sulfuric Acid 95-97% (max. 0.0000005% Hg)
(Reag. Ph. Eur., USP) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Assay (Acidim.): 95.0% - 97.0%

Maximum limit of impurities

APHA colour: 10

Reducing substance to KMnO₄ (as SO₂): 0.0002 %

Residue on ignition: 0.0005 %

Chloride (Cl): 0.00001%

Ammonium (NH₄): 0.0002%

Phosphate (PO₄): 0.00005 %

Nitrate (NO₃): 0.00002%

Heavy metals (as Pb): 0.0001%

HAZARD PICTOGRAMS



UN:	1830
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sulfuric Acid 93-98%
EINECS:	231-639-5

CS: 2807 00 00 00

INDEX NR.: 016-020-00-8

Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade

Assay (Acidim.): 95.0-98.0 %

CODE	141058
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (7)

	CODE	PACKAGING SIZE	
	CODE 141058.9774	PACKAGING SIZE 800 l	
	CODE 141058.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 141058.1611	PACKAGING SIZE 1000 ml	
	CODE 141058.1212	PACKAGING SIZE 2.5 l	Product active until stock lasts.
	CODE 141058.1612	PACKAGING SIZE 2.5 l	



CODE
141058.1214

PACKAGING SIZE
5 l



CODE
141058.0715

PACKAGING SIZE
10 l

① Technical data

MELTING POINT:	-15 °C
BOILING POINT:	330 °C
DENSITY:	1.84 kg/l
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141058
PRODUCT NAME:	Sulfuric Acid 95-98% (USP-NF, BP, Ph. Eur.) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (Acidim.): 95.0-98.0 % Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test
Reducing substance to KMnO₄: passes test
Residue on ignition: 0.002 %
Chloride (Cl): 0.001%
Ammonium (NH₄): 0.001%
Residual solvents (Ph.Eur/USP): passes test
Nitrate: passes test
As: 0.0001 %
Fe: 0.0025 %

HAZARD PICTOGRAMS



UN:	1830
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353 P501 P304+P340 P305+P351+P338 P310 P321 P338 P363 P405

MASTER NAME:	Sulfuric Acid 93-98%
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid 95-98% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO

Assay (Acidim.): 95.0-98.0 %

CODE	471058
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 471058.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
471058.1612	2.5 l



CODE	PACKAGING SIZE
471058.0716	25 l

① Technical data

MELTING POINT:	-15 °C
BOILING POINT:	330 °C
DENSITY:	1.84 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	471058
PRODUCT NAME:	Sulfuric Acid 95-98% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (Acidim.): 95.0-98.0 % Suitability: for COD determination according to UNE 77-004-89: passes test Maximum limit of impurities APHA colour: 10 Reducing substance to KMnO₄ (as SO₂): 0.0002 % Residue on ignition: 0.0005 % Chloride (Cl): 0.00001% Ammonium (NH₄): 0.0002% Phosphate (PO₄): 0.00005 % Nitrate (NO₃): 0.00002% Hg: 0.0000005% Heavy metals (as Pb): 0.0001% Metals by ICP [in mg/Kg (ppm)] Ag: 0.02 Al: 0.05 As: 0.01 Au: 0.1 B: 0.05 Ba: 0.05 Be: 0.02 Bi: 0.05 Ca: 0.2 Cd: 0.02 Co: 0.02 Cr: 0.02 Cu: 0.01 Fe: 0.1 Ga: 0.05 Ge: 0.02 In: 0.05 K: 0.1

Li: 0.02
Mg: 0.05
Mn: 0.01
Mo: 0.02
Na: 0.5
Ni: 0.02
Pb: 0.02
Pt: 0.1
Sb: 0.01
Si: 0.1
Sn: 0.05
Sr: 0.02
Ti: 0.02
Tl: 0.02
V: 0.01
Zn: 0.05
Zr: 0.02

HAZARD PICTOGRAMS



UN:	1830
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H314
P PHRASES:	P260

P264
P280
P301+P330+P331
P303+P361+P353
P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sulfuric Acid 93-98%
EINECS:	231-639-5
CS:	28070000
INDEX NR.:	016-020-00-8

Tetrabutylammonium Hydroxide aqueous solution 20% w/w for synthesis

TBAH

Minimum assay (Acidim.) (w/w): 20%

CODE

15A876

CAS

2052-49-5

MOLECULAR FORMULA

C₁₆H₃₇NO

MOLAR MASS

259.48 g/mol

Packs sizes (1)



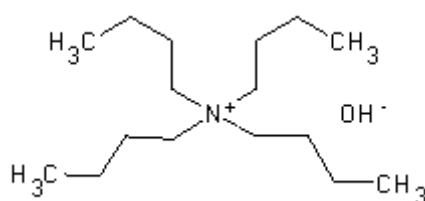
CODE

PACKAGING
SIZE

CODE
15A876.1209

PACKAGING
SIZE
250 ml

Product discontinued. Alternative
157066.1208 (please check specifications).



Technical data

DENSITY: 0.99 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 15A876

PRODUCT NAME:	Tetrabutylammonium Hydroxide aqueous solution 20% w/w for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (Acidim.) (w/w): 20% Density 20/4: 0.989-0.994

HAZARD PICTOGRAMS



UN:	2920
CLASS/PG:	8(3)/II
ADR:	8(3)/II
IMDG:	8(3)/II
IATA:	8(3)/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07
H PHRASES:	H226 H314 H302 H318
P PHRASES:	P210 P233 P240 P241 P242 P501

P243
P260
P264
P270
P280
P301+P310
P301+P330+P331
P303+P361+P353
P304+P340
P305+P351+P338
P310
P321
P330
P338
P363
P370+P378
P403+P235
P405

MASTER NAME:	Tetrabutylammonium Hydroxide aqueous solution 20% w/w
SYNONYMS LONG TEXT:	TBAH
EINECS:	218-147-6
CS:	2923 90 00 90

Tetrabutylammonium Hydroxide 0.1 mol/l (0.1N) in toluene/methanol (9:1) volumetric solution

TBAH

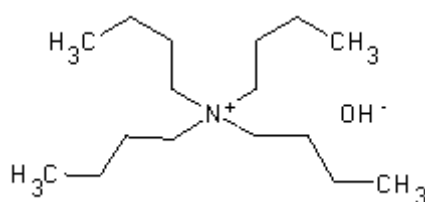
CODE	185225
CAS	2052-49-5
MOLECULAR FORMULA	C ₁₆ H ₃₇ NO
MOLAR MASS	259.48 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
185225.1610	500 ml

Product active until stock lasts.



① Technical data

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 185225

PRODUCT NAME: Tetrabutylammonium Hydroxide 0.1 mol/l (0.1N)

QUALITY NAME:	intoluene/methanol (9:1) volumetric solution volumetric solution
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	1993
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS08
H PHRASES:	H225 H314 H361d H373
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501

MASTER NAME:	Tetrabutylammonium Hydroxide 0,1 mol/l *(0,1N) in toluene/methanol (9:1)
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SYNONYMS LONG TEXT:	TBAH
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EINECS:	218-147-6
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CS:	2923 90 00 90
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Tetrabutylammonium Hydroxide 0.1 mol/l (0.1N) in 2-propanol/methanol (11:1) volumetric solution

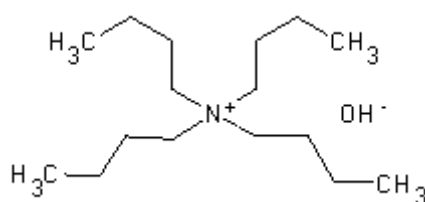
TBAH

CODE	183669
CAS	2052-49-5
MOLECULAR FORMULA	C ₁₆ H ₃₇ NO
MOLAR MASS	259.48 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 183669.1610	PACKAGING SIZE 500 ml

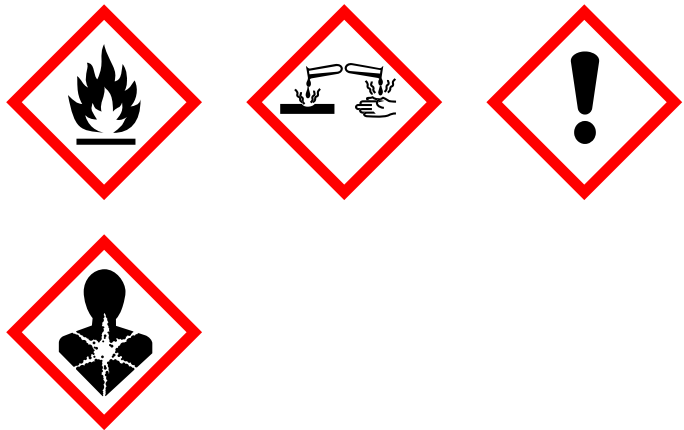


① Technical data

DENSITY:	0.793 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	183669
PRODUCT NAME:	Tetrabutylammonium Hydroxide 0.1 mol/l (0.1N) in 2-propanol/methanol (11:1) volumetric solution
QUALITY NAME:	volumetric solution
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST Bottled with nitrogen.

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:	3
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07 GHS08
H PHRASES:	H225

	H314
	H302
	H371
	H336
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P501
	P243
	P261
	P264
	P270
	P271
	P280
	P301+P310
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P311
	P312
	P321
	P330
	P337+P313
	P370+P378
	P403+P233
	P403+P235
	P405
MASTER NAME:	Tetrabutylammonium Hydroxide 0,1 mol/l *(0,1N) in 2-propanol/methanol (11:1)
SYNONYMS LONG TEXT:	TBAH
CS:	2923 90 00 90

Sulphuric Acid 0,9 mol/l (1,8N) volumetric solution

CODE	185775
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 185775.0716	PACKAGING SIZE 25 l	Product active until stock lasts.

Technical data

DENSITY:	1.06 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	185775
PRODUCT NAME:	Sulphuric Acid 0,9 mol/l (1,8N) volumetric solution
QUALITY NAME:	volumetric solution
HEADLINE COMMENT:	Indicator: Methyl Red
SPECIFICATIONS:	Titer at 20°C: 0.999 - 1.001 Uncertainty: See certificate Traceability: NIST

HAZARD PICTOGRAMS



UN:	2796
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
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:	Sulphuric Acid 0,9 mol/l *(1,8N)
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

Sulfuric Acid solution 1/3 w/v VINIKIT, for wine analysis

CODE	621062
CAS	7664-93-9
MOLECULAR FORMULA	H ₂ SO ₄
MOLAR MASS	98.08 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 621062.1210	PACKAGING SIZE 500 ml



CODE	PACKAGING SIZE
CODE 621062.1211	PACKAGING SIZE 1000 ml

① Technical data

DENSITY: 1.203 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 621062

PRODUCT NAME: Sulfuric Acid solution 1/3 w/v VINIKIT, for wine analysis

QUALITY NAME: VINIKIT, for wine analysis

HEADLINE COMMENT: acid liquor for determination of sulfurous gas (SO₂) in wines

SPECIFICATIONS: COMPOSITION:
Sulphuric Acid 96%: 20 ml
Water (s.q.m): 100 ml

HAZARD PICTOGRAMS



UN: 2796

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: nwg

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:	Sulphuric Acid solution 1/3 w/v
EINECS:	231-639-5
CS:	2807 00 00 00
INDEX NR.:	016-020-00-8

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

TCA

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

CODE

141067

CAS

76-03-9

MOLECULAR FORMULA

CCl_3COOH

MOLAR MASS

163.39 g/mol

Packs sizes (4)



CODE

PACKAGING SIZE

CODE
141067.1608

PACKAGING SIZE
100 g



CODE
141067.1611

PACKAGING SIZE
1000 g



CODE
141067.0914

PACKAGING SIZE
5 kg



CODE
141067.0416

PACKAGING SIZE
25 kg



① Technical data

MELTING POINT: 57 - 58 °C

BOILING POINT: 196 - 197 °C

SOLUBILITY: water 1,200 g/l at 20 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 141067

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

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (Acidim.) calc. a.d.s.: 99.0-100.5%
Identity according to Pharmacopoeias:: passes test

Maximum limit of impurities

Appearance of solution: passes test

Insoluble matter in H₂O: 0.01 %

Loss on drying: 1.0%

Residue on ignition (as SO₄): 0.05 %

Chloride (Cl): 0.005%

Sulfate (SO₄): 0.05%

Nitrate (NO₃): 0.02%

HAZARD PICTOGRAMS



UN:	1839
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H410 H335
P PHRASES:	P260 P264 P273 P280 P301+P330+P331 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P363 P405 P261 P271 P403+P233 P312 P391

MASTER NAME:	Trichloroacetic Acid
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SYNONYMS LONG TEXT:	TCA
EINECS:	200-927-2
CS:	2915 40 00 00
INDEX NR.:	607-004-00-7

Trichloroacetic Acid solution 20 %

BioChemica

Assay (titr.): 19.95 - 20.05 %

CODE

A0590

CAS

76-03-9

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A0590,1000

PACKAGING SIZE
1 L



Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A0590

PRODUCT NAME:

Trichloroacetic Acid solution 20 % *BioChemica*

SHORT DESCRIPTION:

additional product description: aqueous solution

SPECIFICATIONS:

Assay (titr.): 19.95 - 20.05 %
pH (20°C): <1.0

HAZARD PICTOGRAMS



UN: 2564

CLASS/PG: 8/II

ADR: 8/II

IMDG: 8/II

IATA: 8/II

WGK: 2

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS:
GHS05
GHS07
GHS09

H PHRASES:
H314
H335
H411

P PHRASES:
P280
P303+P361+P353
P305+P351+P338
P310
P321
P405
P501

CS: 29154000

INDEX NR.: 607-004-00-7

Thioglycollic Acid 80% pure

Mercaptoacetic acid

Assay (Iodom.): 79-82 %

CODE

142041

CAS

68-11-1

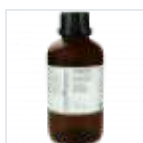
MOLECULAR FORMULA

HSCH₂COOH

MOLAR MASS

92.12 g/mol

Packs sizes (1)



CODE

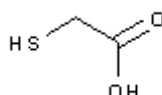
PACKAGING SIZE

CODE

142041.1611

PACKAGING SIZE

1000 ml



① Technical data

MELTING POINT:

- 15 °C - 10 °C
- 15 °C

DENSITY:

1.265 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

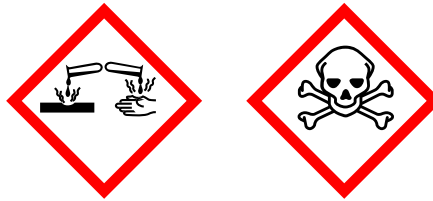
142041

PRODUCT NAME:

Thioglycollic Acid 80% pure

QUALITY NAME:	pure
SPECIFICATIONS:	Assay (Iodom.): 79-82 % Density 20/4: 1.26-1.28 Residue on ignition (as SO ₄): 0.01 % Sensitivity to Fe: passes test Cu: 0.0005 % Fe: 0.0005 % Ni: 0.0005 % Pb: 0.0005 %

HAZARD PICTOGRAMS



UN:	1940
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:	H331 H311 H301 H314
P PHRASES:	P260 P261 P264 P270

P271
P501
P280
P301+P310
P301+P330+P331
P302+P352
P303+P361+P353
P304+P340
P305+P351+P338
P310
P311
P312
P321
P322
P330
P338
P361
P363
P403+P233
P405

MASTER NAME:	Thioglycollic Acid 80%
SYNONYMS LONG TEXT:	Mercaptoacetic acid
EINECS:	200-677-4
CS:	2930 90 98 99
INDEX NR.:	607-090-00-6

Tetrabutylammonium hydroxyde - Solution (0.1 N) in Toluene/Methanol 82:18

CODE

A4312

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A4312,9020

PACKAGING SIZE
20 kg

Technical data

PRODUCT CODE:

A4312

PRODUCT NAME:

Tetrabutylammonium hydroxyde - Solution (0.1 N)
in Toluene/Methanol 82:18

SPECIFICATIONS:

Factor limits: 0.9 - 1.1

Tetrabutylammonium hydroxide - Solution 40 % in
methanol: 64.08 g/L

Toluene/Methanol (V/V): 82 : 18

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:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS08
H PHRASES:	H225 H302+H312+H332 H304 H315 H319 H336 H361d H370 H373
P PHRASES:	P280 P301+P310 P303+P361+P353 P305+P351+P338 P321 P330 P362+P364 P405 P501

CS:	38221900
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Tetrabutylammonium Hydroxide solution 40 % aqueous solution for synthesis

Assay (titr.): approx. 40 %

CODE

157066

CAS

2052-49-5

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

157066.1208

100 ml



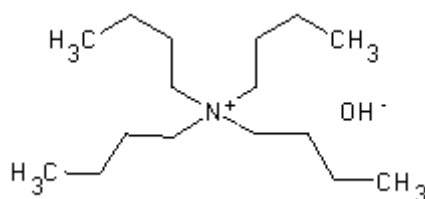
CODE

PACKAGING SIZE

157066.1210

500 ml

Product active until stock lasts.



① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

157066

PRODUCT NAME:

Tetrabutylammonium Hydroxide solution 40 %
aqueous solution for synthesis

HEADLINE COMMENT:

• **Comment:** This Product may contain a precipitate which can be removed by heating.

SPECIFICATIONS:

Assay (titr.): approx. 40 %

Bromide: max. 0.5 %

Sulfate: max. 0.3 %

HAZARD PICTOGRAMS



UN:

3267

CLASS/PG:

8/II

ADR:

8/II

IMDG:

8/II

IATA:

8/II

WGK:

1

STORAGE:

RT

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS05

H PHRASES:

H314

P PHRASES:

P280

P303+P361+P353

P305+P351+P338

P310

P321

P405

P501

EINECS:

218-147-6

CS:

29239000

Trifluoroacetic Acid for UV

Assay (titr.): min. 99.8 %

CODE

363317

CAS

76-05-1

MOLECULAR FORMULA

$\text{C}_2\text{HF}_3\text{O}_2$

MOLAR MASS

114.02 g/mol

Packs sizes (2)

CODE

PACKAGING SIZE



CODE

363317.1606

PACKAGING SIZE

25 ml

Product active until stock lasts.

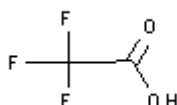


CODE

363317.1608

PACKAGING SIZE

100 ml



① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

363317

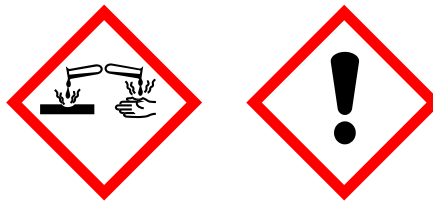
PRODUCT NAME:

Trifluoroacetic Acid for UV

SPECIFICATIONS:

Assay (titr.): min. 99.8 %
Non-volatile matter: max. 0.001 %
Identity (IR): passes test
Color no.: max. 10 APHA
Water (K.F.): max. 0.1 %
T (1 cm/water HPLC grade)
305 nm: min. 50 %
320 nm: min. 80 %
260 nm (Cut off): min. 10 %
325 - 450 nm: min. 90 %

HAZARD PICTOGRAMS



UN:	2699
CLASS/PG:	8/I
ADR:	8/I
IMDG:	8/I
IATA:	8/I
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H314 H332 H412
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321

P405
P501

EINECS:	200-929-3
CS:	29159070
INDEX NR.:	607-091-00-1

Trifluoroacetic acid *BioChemica*

Assay (titr.): min. 99.5 %

CODE

A0697

CAS

76-05-1

MOLECULAR FORMULA

C₂HF₃O₂

MOLAR MASS

114.02 g/mol

Packs sizes (1)

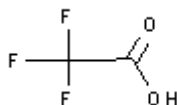


CODE

PACKAGING SIZE

CODE
A0697,0100

PACKAGING SIZE
100 ml



Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A0697

PRODUCT NAME:

Trifluoroacetic acid *BioChemica*

SPECIFICATIONS:

Assay (titr.): min. 99.5 %

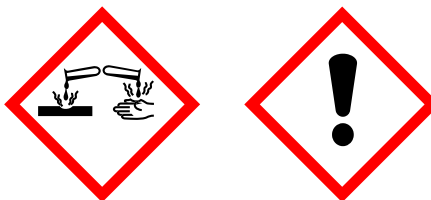
Water: max. 0.1 %

Chloride: max. 0.001 %

Fluoride: max. 0.005 %

Sulfate: max. 0.001 %

HAZARD PICTOGRAMS



UN:	2699
CLASS/PG:	8/I
ADR:	8/I
IMDG:	8/I
IATA:	8/I
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H314 H332 H412
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501

EINECS:	200-929-3
CS:	29159070
INDEX NR.:	607-091-00-1

Trifluoroacetic Acid, 99% for synthesis

TFA

Minimum assay (Acidim.): 99%

CODE 163317

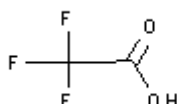
CAS 76-05-1

MOLECULAR FORMULA $C_2HF_3O_2$

MOLAR MASS 114.02 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 163317.1608	PACKAGING SIZE 100 ml	
	CODE 163317.1609	PACKAGING SIZE 250 ml	
	CODE 163317.1610	PACKAGING SIZE 500 ml	Product discontinued. Alternative 163317.1608 (please check specifications).



① Technical data

MELTING POINT: -15.2 °C

BOILING POINT: 72.4 °C

DENSITY: 1.489 kg/l

REFRACTIVE INDEX: 20/D 1.3

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 163317

PRODUCT NAME: Trifluoroacetic Acid, 99% for synthesis

QUALITY NAME: for synthesis

SPECIFICATIONS: Minimum assay (Acidim.): 99%
Identity: IR passes test
Water (H₂O): 0.1 %

HAZARD PICTOGRAMS



UN: 2699

CLASS/PG: 8/I

ADR: 8/I

IMDG: 8/I

IATA: 8/I

WGK: 2

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS07
GHS05

H PHRASES: H332

	H314
	H412
P PHRASES:	P260
	P261
	P264
	P271
	P273
	P280
	P301+P330+P331
	P303+P361+P353
	P304+P340
	P305+P351+P338
	P310
	P312
	P321
	P338
	P363
	P405
	P501

MASTER NAME:	Trifluoroacetic Acid
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SYNONYMS LONG TEXT:	TFA
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EINECS:	200-929-3
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CS:	2915 90 70 90
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INDEX NR.:	607-091-00-1
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Trichloroacetic Acid *BioChemica*

Assay (titr.): min. 99 %

CODE

A1431

CAS

76-03-9

MOLECULAR FORMULA

CCl₃COOH

MOLAR MASS

163.39 g/mol

Packs sizes (2)



CODE

CODE
A1431,0250

PACKAGING SIZE

PACKAGING SIZE
250 g

Product active until stock lasts.



CODE

A1431,1000

PACKAGING SIZE

1 kg

Product active until stock lasts.



① Technical data

SOLUBILITY:

1600 g/L (H₂O)

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1431

PRODUCT NAME:	Trichloroacetic Acid <i>BioChemica</i>
SPECIFICATIONS:	Assay (titr.): min. 99 % Sulfated ash: max. 0.1 % Fe: max. 0.005 %

HAZARD PICTOGRAMS



UN:	1839
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	2
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07 GHS09
H PHRASES:	H314 H335 H410
P PHRASES:	P280 P303+P361+P353 P305+P351+P338 P310 P321 P405 P501

EINECS: 200-927-2

CS: 29154000

INDEX NR.: 607-004-00-7

Trichloroacetic Acid (Reag. USP, Ph. Eur.) for analysis, ACS, Biochemica

TCA

Minimum assay (Acidim.): 99.5%

CODE 131067

CAS 76-03-9

MOLECULAR FORMULA CCl_3COOH

MOLAR MASS 163.39 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 131067.1609	PACKAGING SIZE 250 g



CODE	PACKAGING SIZE
CODE 131067.1611	PACKAGING SIZE 1000 g



CODE	PACKAGING SIZE
CODE 131067.0914	PACKAGING SIZE 5 kg



① Technical data

MELTING POINT:	57 - 58 °C
BOILING POINT:	196 - 197 °C
SOLUBILITY:	water 1,200 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	131067
PRODUCT NAME:	Trichloroacetic Acid (Reag. USP, Ph. Eur.) for analysis, ACS, Biochemica
QUALITY NAME:	for analysis, ACS, Biochemica
SPECIFICATIONS:	Minimum assay (Acidim.): 99.5%

Maximum limit of impurities

Insoluble matter in H₂O: 0.01 %
Reducing substance to KMnO₄: passes test
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): 0.03 %
Chloride (Cl): 0.001%
Phosphate (PO₄): 0.0005 %
Sulfate (SO₄): 0.02%
Nitrate (NO₃): 0.002%
Heavy metals (as Pb): 0.002%
Cu: 0.002 %
Fe: 0.001 %
Ni: 0.002 %
Pb: 0.002 %

HAZARD PICTOGRAMS



UN:	1839
CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II

IATA:	8/II
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09 GHS07
H PHRASES:	H314 H410 H335
P PHRASES:	P260 P264 P273 P280 P301+P330+P331 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P363 P405 P261 P271 P403+P233 P312 P391

MASTER NAME:	Trichloroacetic Acid
SYNONYMS LONG TEXT:	TCA
EINECS:	200-927-2
CS:	2915 40 00 00
INDEX NR.:	607-004-00-7

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Смоленск (4812)29-41-54
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