

Обеззараживание и очистка

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)3454704
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
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
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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эл.почта: pcc@nt-rt.ru || сайт: <https://panreac.nt-rt.ru/>

DNA/RNA-ExitusPlus™

CODE

A7089

Packs sizes (4)



CODE

CODE
A7089,0100

PACKAGING SIZE

PACKAGING SIZE
100 ml



CODE
A7089,0500

PACKAGING SIZE
500 ml



CODE
A7089,1000RF

PACKAGING SIZE
1 L



CODE
A7089,2500RF

PACKAGING SIZE
2.5 L

① Technical data

PRODUCT CODE: A7089

PRODUCT NAME: DNA/RNA-ExitusPlus™

SPECIFICATIONS:

- removes DNA and RNA contaminations from surfaces
- for cleaning of PCR work stations and equipment
- for cleaning of electrophoresis equipment, pipetts, reaction tubes etc.
- delivered as spray bottles or as refill bottles (RF)

◆ **The special features**

- non-enzymatic degradation of DNA and RNA by catalytic and cooperative effects of the components

- All components of DNA-ExitusPlus™ are readily biologically degradable and not harmful or toxic for humans.

- Doesn't contain aggressive mineralic acids or alkaline substances

- No toxic fumes. Contains low concentration of alcohol.

Functionality (Strand breakage test): passes test

Efficacy (ExitusPlus™ activity test): passes test

WGK:

1

STORAGE:

RT
protected from light

CS:

38221900

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

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

Minimum assay (G.C.): 99.5%

CODE 141090

CAS 67-63-0

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

MOLAR MASS 60.10 g/mol

Packs sizes (7)



CODE
141090.1211

PACKAGING SIZE
1000 ml



CODE
141090.1212

PACKAGING SIZE
2.5 l



CODE
141090.1214

PACKAGING SIZE
5 l



CODE
141090.0716

PACKAGING SIZE
25 l



CODE
141090.0719

PACKAGING SIZE
200 l



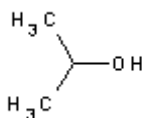
CODE
141090.3619

PACKAGING SIZE
200 l



CODE
141090.9774

PACKAGING SIZE
1000 l



Technical data

MELTING POINT: -88.5 °C

BOILING POINT: 82.5 °C

DENSITY: 0.785 kg/l

REFRACTIVE INDEX: 20/D 1.3772

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141090

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

ABS λ 230 nm: 0.30 UA

ABS λ 250 nm: 0.10 UA

ABS λ 270 nm: 0.03 UA

ABS λ 290 nm: 0.02 UA

ABS λ 310 nm: 0.01 UA

Appearance: passes test

Acidity or alkalinity: passes test

Non-volatile matter: 0.002 %

Peroxides: passes test

Related substances: 0.3%

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

Benzene: 0.0002%

Ethanol (G.C.): 0.05%

Volatile impurities (G.C.):

Individual unspecified impurity: 0.1 %

Total impurities: 1.0 %

Methanol: 0.02 %

Acetone: 0.1 %

1-Propanol: 0.1 %

2-Butanol: 0.1 %

Diethyl Ether: 0.1 %

di-Isopropyl Ether: 0.1 %

Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



UN: 1219

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H336
P PHRASES:	P243 P261 P271 P303+P361+P353 P304+P340 P305+P351+P338

MASTER NAME:	2-Propanol
SYNONYMS LONG TEXT:	Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol
EINECS:	200-661-7
CS:	2905 12 00 00
INDEX NR.:	603-117-00-0

2-Propanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

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

Minimum assay (G.C.): 99.8%

CODE 131090

CAS 67-63-0

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

MOLAR MASS 60.10 g/mol

Packs sizes (7)



CODE
131090.1211

PACKAGING SIZE
1000 ml



CODE
131090.1611

PACKAGING SIZE
1000 ml



CODE
131090.1212

PACKAGING SIZE
2.5 l



CODE
131090.1612

PACKAGING SIZE
2.5 l



CODE
131090.1214

PACKAGING SIZE
5 l



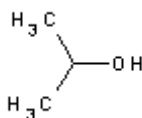
CODE
131090.0515

PACKAGING SIZE
10 l



CODE
131090.0716

PACKAGING SIZE
25 l



Technical data

MELTING POINT: -88.5 °C

BOILING POINT: 82.5 °C

DENSITY: 0.785 kg/l

REFRACTIVE INDEX: 20/D 1.3772

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131090

PRODUCT NAME: 2-Propanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Minimum assay (G.C.): 99.8%
Identity: IR passes test
Density 20/4: 0.784-0.786
Range of Boiling: 81-83°C

Maximum limit of impurities
APHA colour: 10

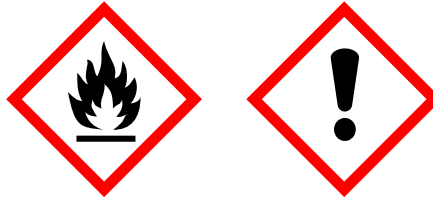
Acidity: 0.0001 meq/g
Alkalinity: 0.0001 meq/g
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.001 %
Reducing substance to KMnO₄ (as O): 0.0005 %
Darkened substances by H₂SO₄: passes test
Carbonyl compounds (as Acetone): 0.002%
Carbonyl compounds (as Propionaldehyde):
0.002%
Acetone (G.C.): 0.002%
1-Propanol (G.C.): 0.05%
Ethanol (G.C.): 0.01%
Methanol (G.C.): 0.05%
Water (H₂O): 0.1 %

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

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

S: 0.2
Sb: 0.02
Si: 0.2
Sn: 0.1
Sr: 0.2
Ti: 0.02
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.02

HAZARD PICTOGRAMS



UN:	1219
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H336
P PHRASES:	P243 P261 P271 P303+P361+P353 P304+P340 P305+P351+P338

MASTER NAME:	2-Propanol
SYNONYMS LONG TEXT:	Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol
EINECS:	200-661-7
CS:	2905 12 00 00
INDEX NR.:	603-117-00-0

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

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

Minimum assay (G.C.): 99.0 %

CODE 631090

CAS 67-63-0

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

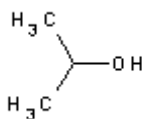
MOLAR MASS 60.10 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 631090.0716 PACKAGING SIZE 25 l



① Technical data

MELTING POINT: -88.5 °C

BOILING POINT: 82.5 °C

DENSITY: 0.785 kg/l

REFRACTIVE INDEX: 20/D 1.3772

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 631090

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

QUALITY NAME: IPEC grade

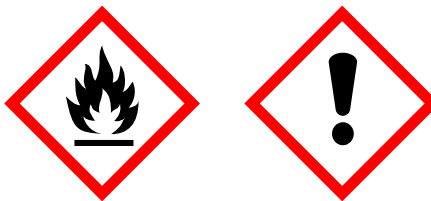
SPECIFICATIONS:

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

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

Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



UN: 1219

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319
H336

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

MASTER NAME: 2-Propanol

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

EINECS: 200-661-7

CS: 2905 12 00 00

INDEX NR.: 603-117-00-0

2-Propanol 70% v/v pure

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

Assay (G.C.) (v/v): 68 - 72 %

CODE 145618

CAS 67-63-0

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

MOLAR MASS 60.10 g/mol

Packs sizes (2)

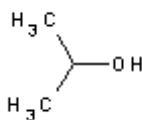


CODE PACKAGING SIZE

CODE PACKAGING SIZE
145618.1211 1000 ml



CODE PACKAGING SIZE
145618.1214 5 l



① Technical data

DENSITY: 0.870 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:

145618

PRODUCT NAME:

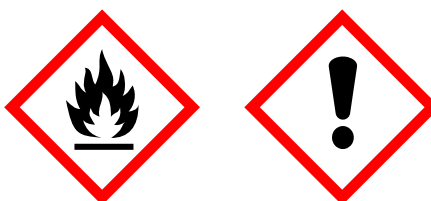
2-Propanol 70% v/v pure

QUALITY NAME:

pure

SPECIFICATIONS:

Assay (G.C.) (v/v): 68 - 72 %
Non-volatile matter: 0.002 %
Methanol (G.C.): 0.1 %
Fe: 0.0001 %
Pb: 0.0005 %

HAZARD PICTOGRAMS**UN:**

1219

CLASS/PG:

3/II

ADR:

3/II

IMDG:

3/II

IATA:

3/II

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS02
GHS07

H PHRASES:

H225
H319
H336

P PHRASES:

P210
P233
P240

P241
P242
P501
P243
P261
P264
P271
P280
P303+P361+P353
P304+P340
P305+P351+P338
P312
P337+P313
P370+P378
P403+P233
P403+P235
P405

MASTER NAME: 2-Propanol 70% v/v

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

EINECS: 200-661-7

CS: 2905 12 00 00

INDEX NR.: 603-003-00-0

RNase-ExitusPlus™

CODE

A7153

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A7153,0500

500 ml



CODE

PACKAGING SIZE

A7153,1000RF

1 L



CODE

PACKAGING SIZE

A7153,2500RF

2.5 L

① Technical data

PRODUCT CODE: A7153

PRODUCT NAME: RNase-ExitusPlus™

SPECIFICATIONS:

- removes RNase contaminations from surfaces
- for cleaning of laboratory surfaces
- for cleaning of electrophoresis equipment, pipetts, reaction tubes etc.
- supplied in spray bottles or refill bottles (RF)
- ♦ **special, new features**
 - non-enzymatic degradation of RNase by catalytic and cooperative effects of the components
 - All components of RNase-ExitusPlus™ are readily bio-degradable and not harmful or toxic for

humans.

- No toxic fumes. Contains low concentration of alcohol.
- Doesn't contain aggressive mineralic acids or alkaline substances

Functionality (Strand breakage test): passes test

Efficacy (ExitusPlus™ activity test): passes test

WGK:

1

STORAGE:

RT

protected from light

CS:

38221900

Incuwater-Clean™

CODE

A5219

Packs sizes (1)		
	CODE	PACKAGING SIZE
	CODE A5219,0100	PACKAGING SIZE 100 ml

Technical data	
PRODUCT CODE:	A5219
PRODUCT NAME:	Incuwater-Clean™
HEADLINE COMMENT:	Incuwater-Clean™ is a registered trademark of AppliChem GmbH.
SPECIFICATIONS:	- Disinfectant solution for CO₂-incubator water baths. 100X concentrated solution. Use 50 ml per 5 liter of incubator water bath. - for the prevention of microbial growth in incubator water baths.
WGK:	1
STORAGE:	2 - 8°C
CS:	38221900

Incubator-Clean™

CODE

A5230

Packs sizes (2)



CODE

PACKAGING SIZE

CODE
A5230,0500

PACKAGING SIZE
500 ml



CODE
A5230,5000RF

PACKAGING SIZE
5 L

Technical data

PRODUCT CODE:	A5230
PRODUCT NAME:	Incubator-Clean™
SHORT DESCRIPTION:	usage: sterile solution
HEADLINE COMMENT:	• Incubator-Clean™ is a registered trademark of AppliChem GmbH. - Use biocides safely. Always read the label and product information before use.
SPECIFICATIONS:	• Disinfectant solution for incubators and sterile benches. • non-toxic and biodegradable ingredients. • fully compatible with common work surfaces

WGK: 1

STORAGE:

RT

CS:

38221900

Glycerol anhydrous for molecular biology

Assay (GC): min. 99.5 %

CODE

A2926

CAS

56-81-5

MOLECULAR FORMULA

C₃H₈O₃

MOLAR MASS

92.10 g/mol

Packs sizes (3)



CODE

CODE
A2926,0500

PACKAGING SIZE

PACKAGING SIZE
500 ml

Product active until stock lasts.



CODE

A2926,1000

PACKAGING SIZE

1 L

Product active until stock lasts.



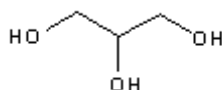
CODE

A2926,2500

PACKAGING SIZE

2.5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX: n20/D 1.4740

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A2926

PRODUCT NAME: Glycerol anhydrous for molecular biology

SPECIFICATIONS: DNases/RNases/Proteases: not detectable
Assay (GC): min. 99.5 %
Acidity/Alkalinity: passes test
Organic chlorine: max. 0.0005 %
Fatty acids: max. 0.02 %
Water (K.F.): max. 0.5 %
Chloride: max. 0.0001 %
Sulfate: max. 0.001 %
As: max. 0.0001 %
Fe: max. 0.0005 %
Pb: max. 0.0001 %

WGK: 1

STORAGE: RT

ORIGIN: from plants (non-animal origin!)

EINECS: 200-289-5

CS: 29054500

Ethanol absolute for molecular biology

Assay (GC): min. 99.8 %

CODE

A3678

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (4)



CODE

CODE
A3678,0250

PACKAGING SIZE

PACKAGING SIZE
250 ml

Product active until stock lasts.



CODE

A3678,0500

PACKAGING SIZE

500 ml



CODE

A3678,1000

PACKAGING SIZE

1 L

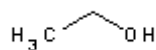


CODE

A3678,2500

PACKAGING SIZE

2.5 L



① Technical data

REFRACTIVE INDEX: n_{20/D} 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

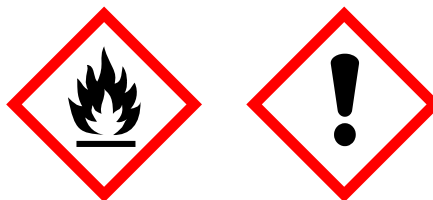
PRODUCT CODE: A3678

PRODUCT NAME: Ethanol absolute for molecular biology

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

SPECIFICATIONS: DNases/RNases/Proteases: not detectable
Assay (GC): min. 99.8 %
Acidic/alkaline react. subst.: max. 0.0002 %
Non-Volatile matter: max. 0.001 %
Water (K.F.): max. 0.2 %

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS:

GHS02

GHS07

H PHRASES:

H225

H319

P PHRASES:

P210

P233

P241

P280

P305+P351+P338

P501

EINECS:

200-578-6

CS:

22071000

INDEX NR.:

603-002-00-5

2-Propanol 99,7 % for synthesis

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

Assay (G.C.): 99.7%

CODE 211090

CAS 67-63-0

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

MOLAR MASS 60.10 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
211090.1211

PACKAGING SIZE
1000 ml



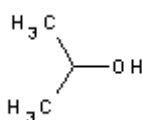
CODE
211090.1214

PACKAGING SIZE
5 l



CODE
211090.0715

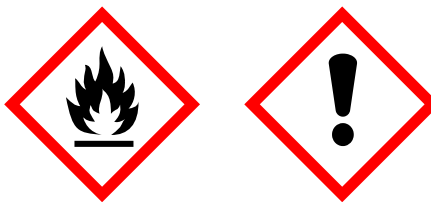
PACKAGING SIZE
10 l



MELTING POINT:	-88.5 °C
BOILING POINT:	82.5 °C
DENSITY:	0.785 kg/l
REFRACTIVE INDEX:	20/D 1.3772
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	211090
PRODUCT NAME:	2-Propanol 99,7 % for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Assay (G.C.): 99.7% Identity: IR passes test Density 20/4: 0.784-0.786 Acidity: 0.0015 meq/g Alkalinity: 0.006 meq/g Non-volatile matter: 0.002 % Methanol (G.C.): 0.25 % Water (H2O): 0.2 %

HAZARD PICTOGRAMS



UN:	1219
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319
H336

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

MASTER NAME: 2-Propanol

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

EINECS: 200-661-7

CS: 2905 12 00 00

INDEX NR.: 603-117-00-0

2-Propanol for molecular biology

Assay (GC): min. 99.8 %

CODE

A3928

CAS

67-63-0

MOLECULAR FORMULA

CH₃CHOHCH₃

MOLAR MASS

60.10 g/mol

Packs sizes (4)



CODE

CODE
A3928,0500PE

PACKAGING SIZE

PACKAGING SIZE
500 ml



CODE

A3928,1000GL

PACKAGING SIZE

1 L



CODE

A3928,2500GL

PACKAGING SIZE

2.5 L

Product active until stock lasts.

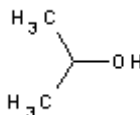


CODE

A3928,2500PE

PACKAGING SIZE

2.5 L



Technical data

REFRACTIVE INDEX: n_{20/D} 1.377 (abs.)

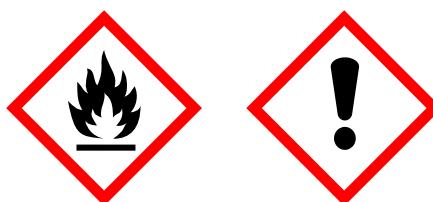
PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A3928

PRODUCT NAME: 2-Propanol for molecular biology

SPECIFICATIONS: DNases/RNases/Proteases: not detectable
Assay (GC): min. 99.8 %
Acidity/Alkalinity: max. 0.0005 meq/g
Non-volatile matter: max. 0.0005 %
Total P: max. 0.00005 %
Total S: max. 0.00005 %
Ethanol: max. 0.01 %
Methanol: max. 0.1 %
n-Propanol: max. 0.05 %
Water (K.F.): max. 0.1 %
Ca: max. 0.00002 %
Cu: max. 0.000002 %
Fe: max. 0.00001 %
Mg: max. 0.00001 %
Pb: max. 0.000002 %
Zn: max. 0.00001 %

HAZARD PICTOGRAMS



UN: 1219

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319
H336

P PHRASES: P210
P280
P303+P361+P353
P305+P351+P338
P405
P501

EINECS: 200-661-7

CS: 29051200

INDEX NR.: 603-117-00-0

2-Propanol for HPLC

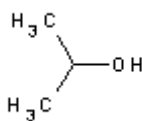
Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	361090
CAS	67-63-0
MOLECULAR FORMULA	$\text{CH}_3\text{CHOHCH}_3$
MOLAR MASS	60.10 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE	
	CODE 361090.1611	PACKAGING SIZE 1000 ml	
	CODE 361090.1612	PACKAGING SIZE 2.5 l	
	CODE 361090.16153	PACKAGING SIZE 4 l	Product discontinued. Alternative 361090.1612 (please check specifications).



Technical data

MELTING POINT:	-88.5 °C
BOILING POINT:	82.5 °C
DENSITY:	0.785 kg/l
REFRACTIVE INDEX:	20/D 1.3772
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	361090
PRODUCT NAME:	2-Propanol for HPLC
QUALITY NAME:	for HPLC
SPECIFICATIONS:	Minimum assay (G.C.): 99.9% Density 20/4: 0.784-0.786

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0001 meq/g

Alkalinity: 0.0001 meq/g

Non-volatile matter: 0.0003 %

Water (H₂O): 0.05 %

UV Spectrum (1cm cell; Ref.: water):

Transmittance at 207 (Cut off) nm: ≥10%

Transmittance at 217 nm: ≥50%

Transmittance at 232 nm: ≥80%

Transmittance at 242 nm: ≥90%

Transmittance at 250 nm: ≥95%

Transmittance at 260-400 nm: ≥98%

Data of interest in HPLC:

Rohrschneider Polarity: 3.9

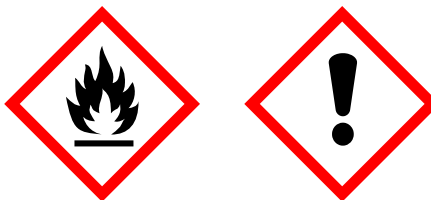
Eluotropic value e° (Al₂O₃): 0.82

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:	1219
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H336
P PHRASES:	P243 P261 P271 P303+P361+P353 P304+P340 P305+P351+P338

MASTER NAME:	2-Propanol
SYNONYMS LONG TEXT:	Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol
EINECS:	200-661-7
CS:	2905 12 00 00
INDEX NR.:	603-117-00-0

2-Propanol for HPLC gradient / UHPLC supergradient grade

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

Minimum assay (G.C.): 99.9%

CODE 221090

CAS 67-63-0

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

MOLAR MASS 60.10 g/mol

Packs sizes (2)



CODE

CODE
221090.1611

PACKAGING
SIZE

PACKAGING
SIZE
1000 ml

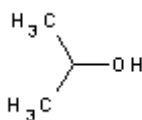
Product discontinued. Alternative
221090.1612 (please check specifications).



CODE

221090.1612

PACKAGING
SIZE
2.5 l



① Technical data

MELTING POINT: -88.5 °C

BOILING POINT:	82.5 °C
DENSITY:	0.785 kg/l
REFRACTIVE INDEX:	20/D 1.3772
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	221090
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PRODUCT NAME:	2-Propanol for HPLC gradient / UHPLC supergradient grade
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QUALITY NAME:	for HPLC gradient / UHPLC supergradient grade
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SPECIFICATIONS:	Minimum assay (G.C.): 99.9% Density 20/4: 0.784-0.786
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Maximum limit of impurities

APHA colour: 10

Acidity: 0.0001 meq/g

Alkalinity: 0.0001 meq/g

Non-volatile matter: 0.0002 %

Water (H₂O): 0.05 %

Suitability for IR spectrometry:: passes test

Gradient at 235 nm: 1 mUA

Gradient at 254 nm: 1 mUA

UV Spectrum (1cm cell; Ref.: water):

Transmittance at 207 (Cut off) nm: ≥10%

Transmittance at 220 nm: ≥80%

Transmittance at 230 nm: ≥90%

Transmittance at 250-400 nm: ≥99%

Data of interest in HPLC:

Rohrschneider Polarity: 3.9

Eluotropic value e° (Al₂O₃): 0.82

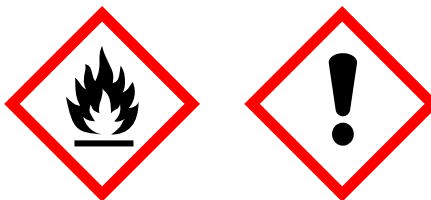
Sol. H₂O in solv. at 20°C: miscible

For critical jobs, purge with nitrogen.

Microfiltered product (0.2 µm) and bottled under nitrogen atmosphere.

* Read after purging with nitrogen.

HAZARD PICTOGRAMS



UN:	1219
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H336
P PHRASES:	P243 P261 P271 P303+P361+P353 P304+P340 P305+P351+P338

MASTER NAME:	2-Propanol
SYNONYMS LONG TEXT:	Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol
EINECS:	200-661-7
CS:	2905 12 00 00
INDEX NR.:	603-117-00-0

2-Propanol *BioChemica*

Assay (GC): min. 99.7 %

CODE

A3465

CAS

67-63-0

MOLECULAR FORMULA

CH₃CHOHCH₃

MOLAR MASS

60.10 g/mol

Packs sizes (2)



CODE

CODE
A3465,2500

PACKAGING SIZE

PACKAGING SIZE
2.5 L

Product active until stock lasts.



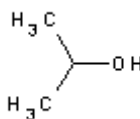
CODE

A3465,5000

PACKAGING SIZE

5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX:

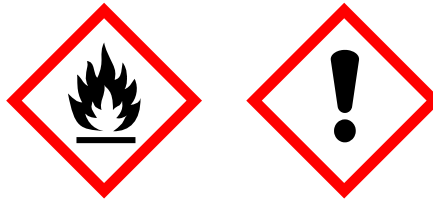
n₂₀/D 1.377 (abs.)

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:	A3465
PRODUCT NAME:	2-Propanol <i>BioChemica</i>
SPECIFICATIONS:	Assay (GC): min. 99.7 % Acidity/Alkalinity: max. 0.0005 meq/g Non-volatile matter: max. 0.001 % Total P: max. 0.00005 % Total S: max. 0.00005 % Heavy metals (as Pb): max. 0.0005 % Total Si: max. 0.000005 % Insoluble matter: passes test Carbonyl compounds (as Acetone): max. 0.002 % Carbonyl compounds (as Propionaldehyde): max. 0.002 % Ethanol: max. 0.01 % Methanol: max. 0.1 % n-Propanol: max. 0.05 % Water (K.F.): max. 0.1 %

HAZARD PICTOGRAMS



UN:	1219
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07

H PHRASES:	H225 H319 H336
P PHRASES:	P210 P280 P303+P361+P353 P305+P351+P338 P405 P501

EINECS:	200-661-7
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CS:	29051200
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INDEX NR.:	603-117-00-0
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DERQUIM LA 11 Slightly alkaline SOLID

CODE

502603

Packs sizes (2)



CODE

CODE

502603.1245

PACKAGING SIZE

PACKAGING SIZE

2 kg

Product active until stock lasts.



CODE

502603.0415

PACKAGING SIZE

10 kg

① Technical data

SOLUBILITY:

Soluble in water.

PHYSICAL DESCRIPTION:

solid

PRODUCT CODE:

502603

PRODUCT NAME:

DERQUIM LA 11 Slightly alkaline SOLID

HEADLINE COMMENT:

free of surfactant substances. Solid in powder. pH (3 g/l solution) ~11,2. Soft residues removing.

SPECIFICATIONS:

pH of 5% solution: 12 - 13

HAZARD PICTOGRAMS



UN:	3262
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:	H335 H314
P PHRASES:	P260 P264 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501

MASTER NAME:	DERQUIM LA 11 Slightly alkaline SOLID
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CS:	3402 39 90 90
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Autoclave-ExitusPlus™

CODE

A7600

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

A7600,1000

PACKAGING SIZE

6 x 1 L

① Technical data

PRODUCT CODE:

A7600

PRODUCT NAME:

Autoclave-ExitusPlus™

HEADLINE COMMENT:

• Autoclave-ExitusPlus™ is a registered trademark of AppliChem GmbH.

SPECIFICATIONS:

◆ Additive for autoclaving

- removes DNA and RNA contaminations from culture media waste
- for cleaning of culture vessels (e.g. Mini and Maxi prep)
- delivered as powder mixture

◆ special, new features

- nonenzymatic degradation of DNA and RNA by catalytic and cooperative effects of the components
- All components of Autoclave-ExitusPlus™ are readily biodegradable and not harmful or toxic for humans.
- Does not contain aggressive chemicals

STORAGE:

RT

CS:

38221900

Aquabator-Clean™ (100X)

CODE

A9390

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A9390,0250

PACKAGING SIZE
250 ml

① Technical data

PRODUCT CODE:

A9390

PRODUCT NAME:

Aquabator-Clean™ (100X)

HEADLINE COMMENT:

- Aquabator-Clean™ is a registered trademark of AppliChem GmbH.

SPECIFICATIONS:

- Disinfectant solution for ordinary water baths (not for CO₂-incubators!)
- for the prevention of microbial growth in water baths
- 100X concentrated solution (Use 10 ml per 1 liter of water.)

HAZARD PICTOGRAMS



WGK:

2

STORAGE:

2 - 8°C

protected from light

SIGNAL WORD: Attention

GHS SYMBOLS: GHS07

H PHRASES: H319

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

CS: 38221900

AppliClear-Water

CODE

A7004

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A7004,0250

PACKAGING SIZE
250 ml

Technical data

PRODUCT CODE: A7004

PRODUCT NAME: AppliClear-Water

HEADLINE COMMENT: Biocide is a quaternary ammonium compound.

SPECIFICATIONS:

- ◆ with color indicator (blue to colorless)
- ◆ biodegradable, nontoxic
- ◆ 1 ml sufficient for 1 liter
- ◆ germ-killing effect on microorganisms
- ◆ Concentrate for the prevention of growth of algae and moulds in water baths

pH (20°C): 6.0 - 8.0
Refractive index: 1.3346 - 1.3375

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

CS:	38221900
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2-Propanol, 99.7% for synthesis

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

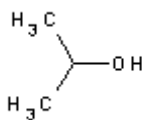
Minimum assay (G.C.): 99.7%

CODE	161090
CAS	67-63-0
MOLECULAR FORMULA	CH ₃ CHOHCH ₃
MOLAR MASS	60.10 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE	
161090.0716	25 l	Product discontinued. Alternative 211090.0715 (please check specifications).



Technical data

MELTING POINT:	-88.5 °C
BOILING POINT:	82.5 °C
DENSITY:	0.785 kg/l
REFRACTIVE INDEX:	20/D 1.3772

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	161090
PRODUCT NAME:	2-Propanol, 99.7% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (G.C.): 99.7% Identity: IR passes test Density 20/4: 0.784-0.786 Non-volatile matter: 0.002 % Methanol (G.C.): 0.25 % Water (H2O): 0.2 %
HAZARD PICTOGRAMS	 
UN:	1219
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 H336

P PHRASES:	P243 P261 P271 P303+P361+P353 P304+P340 P305+P351+P338
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MASTER NAME:	2-Propanol
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SYNONYMS LONG TEXT:	Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol
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EINECS:	200-661-7
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CS:	2905 12 00 00
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INDEX NR.:	603-117-00-0
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DERQUIM LA 21 Acid, with phosphoric acid LIQUID

CODE

502608

Packs sizes (1)		
	CODE	PACKAGING SIZE
	CODE	PACKAGING SIZE
	502608.1246	4 l

❶ Technical data	
DENSITY:	1.375 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	502608
PRODUCT NAME:	DERQUIM LA 21 Acid, with phosphoric acid LIQUID
HEADLINE COMMENT:	Free of surfactant substances.Acid solution withanticorrosive protection. pH (2 ml/l solution) X2,0. Pre-washing agent and neutralizer in post-washing.
SPECIFICATIONS:	pH sol. 2%: 1.5 - 1.9 Density 20/4: 1.355 - 1.375

HAZARD PICTOGRAMS	
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UN:	3264
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P260 P264 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501

MASTER NAME:	DERQUIM LA 21 Acid, with phosphoric acid LIQUID
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CS:	3402 39 90 90
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DERQUIM LA 15 Alkaline LIQUID

CODE

502607

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

502607.1246

PACKAGING SIZE

4 l

Technical data

DENSITY: 1.425 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 502607

PRODUCT NAME: DERQUIM LA 15 Alkaline LIQUID

HEADLINE COMMENT: free of surfactant substances.pH (4 ml/l solution)
~12,2. Removing of dry residues.

SPECIFICATIONS: pH sol. 2%: 12 -13
Density 20/4: 1.42 - 1.43

HAZARD PICTOGRAMS



UN: 3266

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05
H PHRASES:	H290 H314
P PHRASES:	P260 P264 P270 P280 P301+P312 P501 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405

MASTER NAME:	DERQUIM LA 15 Alkaline LIQUID
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CS:	3402 49 00 00
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DERQUIM LA 14 Slightly alkaline LIQUID

CODE

502606

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

502606.1246

PACKAGING SIZE

4 l

Technical data

DENSITY: 1.350 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 502606

PRODUCT NAME: DERQUIM LA 14 Slightly alkaline LIQUID

HEADLINE COMMENT: free of surfactant substances.pH (4 ml/l solution) ~11,2. Soft residues removing.

SPECIFICATIONS: pH of 2% solution: 12 - 13

HAZARD PICTOGRAMS



UN: 3266

CLASS/PG: 8/II

ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H290 H314 H332
P PHRASES:	P260 P264 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501

MASTER NAME:	DERQUIM LA 14 Slightly alkaline LIQUID
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CS:	3402 39 90 90
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DERQUIM LA 13 Alkaline with detergents

SOLID

CODE

502605

Packs sizes (1)



CODE

502605.0415

PACKAGING SIZE

10 kg

Technical data	
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	solid
PRODUCT CODE:	502605
PRODUCT NAME:	DERQUIM LA 13 Alkaline with detergents SOLID
HEADLINE COMMENT:	Solid in powder. pH (3 g/l solution) ~12,2. Grease removing.
SPECIFICATIONS:	pH of 5% solution: 12-14
HAZARD PICTOGRAMS	 
UN:	3262

CLASS/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H290 H314 H335
P PHRASES:	P260 P264 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501

MASTER NAME:	DERQUIM LA 13 Alkaline with detergents SOLID
CS:	3402 39 90 90

DERQUIM LA 12 Alkaline SOLID

CODE

502604

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

502604.0415

PACKAGING SIZE

10 kg

Technical data

SOLUBILITY: Soluble in water.

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 502604

PRODUCT NAME: DERQUIM LA 12 Alkaline SOLID

HEADLINE COMMENT: free of surfactant substances.Solid in powder. pH (3 g/l solution) ~12,3. Removing of dry residues.

SPECIFICATIONS: pH of 5% solution: 12.5 - 13.5

HAZARD PICTOGRAMS



UN: 3262

CLASS/PG: 8/II

ADR:	8/II
IMDG:	8/II
IATA:	8/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H290 H314 H335
P PHRASES:	P260 P264 P270 P280 P301+P312 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P321 P330 P338 P363 P405 P501

MASTER NAME:	DERQUIM LA 12 Alkaline SOLID
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CS:	3402 39 90 90
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DERQUIM LM 03 Alkaline, Phosphates free LIQUID

CODE

502602

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

502602.1246

4 l

① Technical data

DENSITY: 1.045 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 502602

PRODUCT NAME: DERQUIM LM 03 Alkaline, Phosphates free LIQUID

HEADLINE COMMENT: pH solution 2%: 12-13. General use.

SPECIFICATIONS: pH sol. 2%: 12 - 13
Density 20/4: 1.045 - 1.055

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:	GHS07 GHS05
H PHRASES:	H290 H314 H335
P PHRASES:	P280 P310 P321 P303+P361+P353 P305+P351+P338 P501 P405
MASTER NAME:	DERQUIM LM 03 Alkaline, Phosphates free LIQUID
CS:	3402 39 90 90

DERQUIM LM 02, phosphates free LIQUID

CODE

502601

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 502601.1246	PACKAGING SIZE 4 l	
	CODE 502601.0716	PACKAGING SIZE 25 l	Product discontinued. Alternative 502601.1246 (please check specifications).

Technical data

DENSITY:	1.01 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	502601
PRODUCT NAME:	DERQUIM LM 02, phosphates free LIQUID
HEADLINE COMMENT:	pH solution 2%: 8-9, General use for sensitive material.
SPECIFICATIONS:	pH sol. 2%: 8-9 Density 20/4: 1.008 - 1.060

HAZARD PICTOGRAMS



STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05

H PHRASES: H315
H318

P PHRASES: P264
P280
P302+P352
P501
P362

MASTER NAME: DERQUIM LM 02, phosphates free LIQUID

CS: 3402 39 90 90

DERQUIM + Universal Detergent, LIQUID

CODE

503574

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 503574.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 503574.1246	PACKAGING SIZE 4 l	

Technical data

DENSITY:	1.14 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	503574
PRODUCT NAME:	DERQUIM + Universal Detergent, LIQUID
HEADLINE COMMENT:	Biodegradable, without phosphates
SPECIFICATIONS:	Density 20/4: 1.130 - 1.145
HAZARD PICTOGRAMS	

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H302

P PHRASES: P264
P270
P301+P312
P330
P501

MASTER NAME: DERQUIM + Universal Detergent, LIQUID

CS: 3402 39 90 90

DERQUIM LM 01 Alkaline LIQUID

CODE

502600

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

502600.1246

PACKAGING SIZE

4 l

Technical data

DENSITY: 1.070 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 502600

PRODUCT NAME: DERQUIM LM 01 Alkaline LIQUID

HEADLINE COMMENT: pH solution 2%: 11-12. General use.

SPECIFICATIONS: pH of 2 % solution: 11 - 12

HAZARD PICTOGRAMS



STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS:

GHS05

H PHRASES:

H290

H314

P PHRASES:

P280

P303+P361+P353

P305+P351+P338

P310

P321

P501

P330

P332+P313

P337+P313

P362

MASTER NAME:

DERQUIM LM 01 Alkaline LIQUID

CS:

3402 39 90 90

DERQUIM LA 22 Acid, with citric acid LIQUID

CODE

502609

Packs sizes (1)		
	CODE	PACKAGING SIZE
	CODE	PACKAGING SIZE
	502609.1246	4 l

Technical data

DENSITY:	1.15 kg/l
PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	502609
PRODUCT NAME:	DERQUIM LA 22 Acid, with citric acid LIQUID
HEADLINE COMMENT:	free of phosphates. Solution for washing and neutralization. pH (2 ml/l solution) ~3,0.
SPECIFICATIONS:	pH sol. 2%: 2 - 3

HAZARD PICTOGRAMS	
STORAGE:	Room Temperature.

SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319
P PHRASES:	P264 P270 P280 P301+P312 P302+P352 P501 P305+P351+P338 P321 P330 P332+P313 P337+P313 P362

MASTER NAME:	DERQUIM LA 22 Acid, with citric acid LIQUID
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CS:	3402 39 90 90
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Ethanol 70% v/v (BP) pharma grade

Ethyl Alcohol

Assay (v/v): 69.5-70.4 %

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

Packs sizes (7)

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



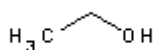
CODE
192695.0716

PACKAGING SIZE
25 l



CODE
192695.0519

PACKAGING SIZE
200 l



Technical data

BOILING POINT: 78 - 79 °C

DENSITY: 0.890 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 192695

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

QUALITY NAME: pharma grade

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

Maximum limit of impurities

Appearance: passes test

Acidity or alkalinity: passes test

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

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

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

Volatile impurities (G.C.): passes test

Methanol: 0.02 %

Acetaldehyde and acetal: 0.001 %

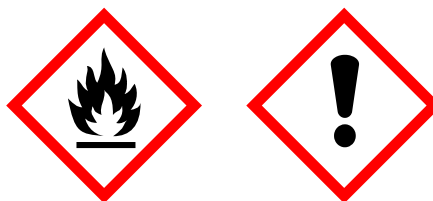
Benzene: 0.0002 %

Total other impurities: 0.03 %

Microfiltered product (0.22 µm)

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

HAZARD PICTOGRAMS



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

MASTER NAME: Ethanol 70% v/v

SYNONYMS LONG TEXT: Ethyl Alcohol

EINECS: 200-578-6

CS: 2208 90 99 90

INDEX NR.: 603-002-00-5

Ethanol 70 % (DAB) pure, pharma grade

Assay (v/v): 69.2 - 70.8 %

CODE

A0913

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (3)



CODE

CODE
A0913,0250

PACKAGING SIZE

PACKAGING SIZE
250 ml



CODE

A0913,1000

PACKAGING SIZE

1 L

Product active until stock lasts.

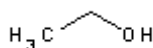


CODE

A0913,5000

PACKAGING SIZE

5 L



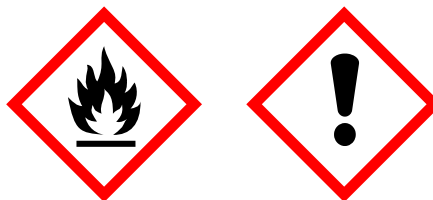
① Technical data

REFRACTIVE INDEX:

n_{20/D} 1.364

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

HAZARD PICTOGRAMS



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

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

EINECS: 200-578-6

CS: 22089091

INDEX NR.: 603-002-00-5

Ethanol 70 % for analysis

Assay (GC): min. 70 %

CODE

A2192

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (1)

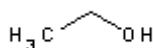


CODE

PACKAGING SIZE

CODE
A2192,5000

PACKAGING SIZE
5 L



Technical data

REFRACTIVE INDEX: n₂₀/D 1.364

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A2192

PRODUCT NAME: Ethanol 70 % for analysis

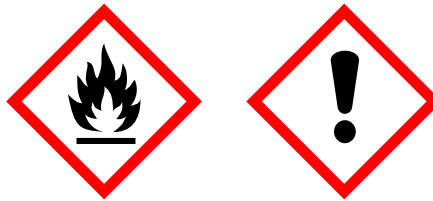
HEADLINE COMMENT: This ethanol is intended for consumers in Germany only. The product may only be

purchased at AppliChem Darmstadt.

SPECIFICATIONS:

Assay (GC): min. 70 %
Acidity/Alkalinity: max. 0.0005 meq/g
Non-volatile matter: max. 0.001 %
Total P: max. 0.0001 %
Total S: max. 0.0001 %
Total Si: max. 0.0002 %
Acetone: max. 0.001 %
Aldehydes: max. 0.001 %
Methanol: max. 0.05 %
Fe: max. 0.00001 %
Mn: max. 0.00001 %
Ni: max. 0.00001 %
Pb: max. 0.00001 %
Zn: max. 0.00001 %
Cr: max. 0.00001 %

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319

P PHRASES:

P210

P280

P303+P361+P353

P305+P351+P338

P403+P235

P501

EINECS:

200-578-6

CS:

22089099

INDEX NR.:

603-002-00-5

DNA/RNA-ExitusPlus™ IF

CODE

A7409

Packs sizes (5)



CODE

CODE
A7409,0100

PACKAGING SIZE

PACKAGING SIZE
100 ml



CODE
A7409,0500

PACKAGING SIZE
500 ml



CODE
A7409,1000RF

PACKAGING SIZE
1 L



CODE
A7409,2500RF

PACKAGING SIZE
2.5 L



CODE
A7409,5000

PACKAGING SIZE
5 L

① Technical data

PRODUCT CODE: A7409

PRODUCT NAME: DNA/RNA-ExitusPlus™ IF

SPECIFICATIONS:

- removes DNA and RNA contaminations from surfaces

- for cleaning of PCR work stations and equipment
- for cleaning of electrophoresis equipment, pipetts, reaction tubes etc.
- delivered as spray bottles or as refill bottles (RF)

♦ **The special features**

- **indicator-free** version of DNA-ExitusPlus™
- All components of DNA-ExitusPlus™ IF are readily biologically degradable and not harmful or toxic for humans.
- Doesn't contain aggressive mineralic acids or alkaline substances
- No toxic fumes. Contains low concentration of alcohol.

Functionality (Strand breakage test): passes test

Efficacy (ExitusPlus™ activity test): passes test

WGK:	1
STORAGE:	RT protected from light
CS:	38221900

DERQUIM SALT (Sodium Chloride lumps)

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

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 503468.0415	PACKAGING SIZE 10 kg

Technical data

MELTING POINT:	804 °C
BOILING POINT:	1,413 °C
SOLUBILITY:	water 360 g/l at 20 °C
PHYSICAL DESCRIPTION:	solid

PRODUCT CODE:	503468
PRODUCT NAME:	DERQUIM SALT (Sodium Chloride lumps)
HEADLINE COMMENT:	for deliming of water
SPECIFICATIONS:	Identity: passes test

STORAGE: Room Temperature.

MASTER NAME: DERQUIM SALT (Sodium Chloride lumps)

EINECS: 231-598-3

CS: 2501 00 99 00

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

Assay (w/w): 92.6 - 95.2 %

CODE

A1615

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

A1615,2500GL

2.5 L



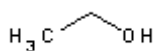
CODE

PACKAGING SIZE

A1615,5000PE

5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX:

n_{20/D} 1.3611 (abs.)

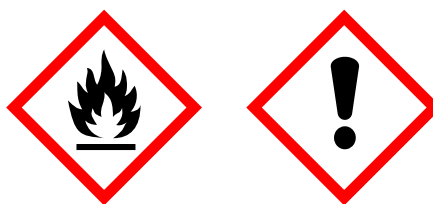
PHYSICAL DESCRIPTION:

Liquid

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

Class 3 (Sn): max. 600 ppm

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319

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

EINECS: 200-578-6

CS: 22071000

INDEX NR.: 603-002-00-5

Ethanol 96 % v/v for analysis

Assay: min. 96 %

CODE

A1868

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (1)

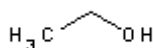


CODE

PACKAGING SIZE

CODE
A1868,1000

PACKAGING SIZE
1 L



Technical data

REFRACTIVE INDEX: n_{20/D} 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

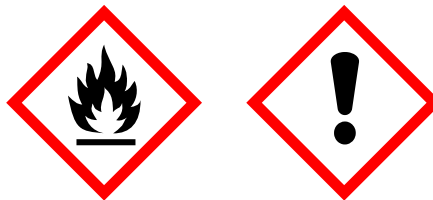
PRODUCT CODE: A1868

PRODUCT NAME: Ethanol 96 % v/v for analysis

HEADLINE COMMENT: Product can only be sold by AppliChem (Germany).

SPECIFICATIONS:

Assay: min. 96 %
Acidity/Alkalinity: max. 0.0005 meq/g
Non-volatile matter: max. 0.001 %
Total P: max. 0.0001 %
Total S: max. 0.0001 %
Total Si: max. 0.0002 %
Acetone: max. 0.001 %
Aldehydes: max. 0.001 %
Methanol: max. 0.05 %
Cr: max. 0.00001 %
Fe: max. 0.00001 %
Mn: max. 0.00001 %
Ni: max. 0.00001 %
Pb: max. 0.00001 %
Zn: max. 0.00001 %

HAZARD PICTOGRAMS

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

P PHRASES:

P210

P280

P303+P361+P353

P305+P351+P338

P403+P235

P501

EINECS:

200-578-6

CS:

22071000

INDEX NR.:

603-002-00-5

Ethanol 96 % denatured with IPA, MEK and Bitrex pure

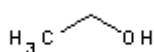
Assay (GC, denaturant not included): min. 96.0 %

CODE	147195
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 147195.1212	PACKAGING SIZE 2.5 L



Technical data

REFRACTIVE INDEX: n_{20/D} 1.3611 (abs.)

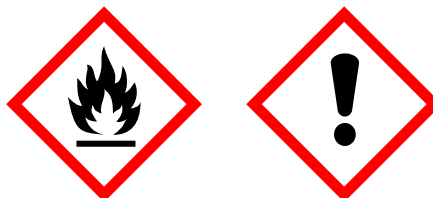
PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 147195

PRODUCT NAME: Ethanol 96 % denatured with IPA, MEK and Bitrex pure

SHORT DESCRIPTION:	additional product description: According to Regulation (EU) 2017/1112 of 22 June 2017
HEADLINE COMMENT:	This product can be purchased tax-free within the EU. Buyers outside Germany must be certified recipients. Contains per 100 L Alcohol: 0.96 L IPA, 0.96 L MEK and 0.96 g Bitrex
SPECIFICATIONS:	Assay (GC, denaturant not included): min. 96.0 % Acidity (as CH₃COOH): max. 1.0 mg/100 mL Identity (IR): passes test Density (d 20°C): 0.804 - 0.807 kg/l

HAZARD PICTOGRAMS



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

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

EINECS: 200-578-6

CS: 22072000

INDEX NR.: 603-002-00-5

Ethanol 70% v/v food grade

Ethyl Alcohol

Assay (by volume) (equiv. to 62.5% w/w) , not less than: 70%

CODE 202695

CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

Packs sizes (2)

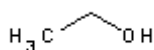


CODE PACKAGING SIZE

CODE 202695.1214 PACKAGING SIZE 5 l



CODE PACKAGING SIZE
202695.0716 25 l



① Technical data

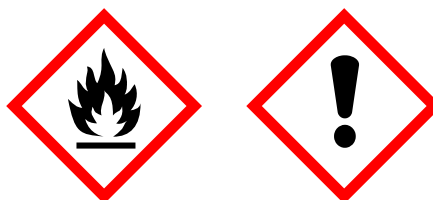
BOILING POINT: 78 - 79 °C

DENSITY: 0.890 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	202695
PRODUCT NAME:	Ethanol 70% v/v food grade
QUALITY NAME:	food grade
HEADLINE COMMENT:	extraction solvent for industrial food use
SPECIFICATIONS:	Assay (by volume) (equiv. to 62.5% w/w) , not less than: 70% Acidity (as CH₃COOH), not more than: 0.003% Alkalinity (as NH₃), not more than: 3 ppm Non-volatile residue , not more than: 0.003% Darkened substances by H₂SO₄: passes test Reducing substances of KMnO₄: passes test Fusel oil: passes test Solubility in water: passes test Ketones, 2-Propanol: passes test Methanol: passes test Arsenic, not more than: 1 ppm Lead, not more than: 0.5 ppm Specifications Dir. 2009/32/CE

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02

GHS07

H PHRASES:

H225

H319

P PHRASES:

P210

P233

P240

P241

P242

P501

P243

P280

P303+P361+P353

P370+P378

P403+P235

P264

P305+P351+P338

P337+P313

MASTER NAME:

Ethanol 70% v/v

SYNONYMS LONG TEXT:

Ethyl Alcohol

EINECS:

200-578-6

CS:

2208 90 99 90

INDEX NR.:

603-002-00-5

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

Ethyl Alcohol

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

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

Packs sizes (9)

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



CODE
141085.0716

PACKAGING SIZE
25 l



CODE
141085.0816

PACKAGING SIZE
25 l



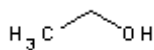
CODE
141085.3619

PACKAGING SIZE
200 l



CODE
141085.9774

PACKAGING SIZE
1000 l



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.805 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141085

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

QUALITY NAME: pure, pharma grade

SPECIFICATIONS:

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

Identity according to Pharmacopoeias:: passes test

Density 20/20: 0.8051-0.8124

Maximum limit of impurities

ABS λ 240 nm: 0.40

ABS λ 250-260 nm: 0.30

ABS λ 270-340 nm: 0.10

ABS Absorption curve, smooth: passes test

Appearance: passes test

Acidity or alkalinity: passes test

Alkalinity: 0.001 meq/g

Insoluble matter in H₂O: passes test

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

Reducing substance to KMnO₄: passes test

Clarity of solution: passes test

Fusel oil: passes test

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

Acetone (G.C.): 0.005%

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

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

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

Aldehydes (as CH₃CHO): 0.001%

Benzene (U.V.): 0.0002%

Butanone (G.C.): 0.02%

Volatile impurities (G.C.)

Methanol: 0.02%

Acetaldehyde and acetal: 0.001 %

Benzene: 0.0002 %

Total other impurities: 0.03 %

Fe: 0,00005 %

HAZARD PICTOGRAMS

UN:

1170

CLASS/PG:

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

Ethanol 96% v/v (Reag. USP, Ph. Eur.) for analysis, ACS

Ethyl Alcohol

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

CODE	131085
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (7)

	CODE	PACKAGING SIZE	
	CODE 131085.1211	PACKAGING SIZE 1000 ml	
	CODE 131085.1611	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 131085.1212	PACKAGING SIZE 2.5 l	
	CODE 131085.1612	PACKAGING SIZE 2.5 l	
	CODE 131085.1214	PACKAGING SIZE 5 l	



CODE
131085.1315

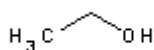
PACKAGING SIZE
10 l

Product active until stock lasts.



CODE
131085.0716

PACKAGING SIZE
25 l



① Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.805 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131085

PRODUCT NAME: Ethanol 96% v/v (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Assay (G.C.) (v/v): 96.0 - 96.6 %
Identity: IR passes test
according to Pharmacopoeias:: passes test
Density 20/20: 0.805-0.812

Maximum limit of impurities

APHA colour: 10

Appearance: passes test

Appearance Clarity of solution: passes test
Acidity: 0.0005 meq/g
Alkalinity: 0.0002 meq/g
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.0005 %
Reducing substance to KMnO₄: passes test
Darkened substances by H₂SO₄: passes test
Carbonyl compounds (as CH₃CHO): 0.005%
Fusel oil: passes test
Residual solvents (Ph.Eur/USP): passes test
Absorbance: passes test
Acetone (G.C.): 0.001%
2-Butanol (G.C.): 0.02%
2-Propanol (G.C.): 0.003%
Butanone (G.C.): 0.003%
3-Methyl-1-Butanol (G.C.): 0.05%
Acetaldehyde and acetal: 0.001 %
Volatile impurities (G.C.):
Methanol: 0.02 %
Benzene: 0.0002 %
Total other impurities: 0.03 %

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

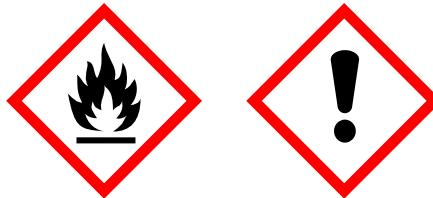
Class 1A (Pt, Pd): 10 ppm
Class 1B (Ir, Rh, Ru, Os): 10 ppm
Class 1C (Mo, Ni, Cr, V): 25 ppm
Class 2 (Cu, Mn): 250 ppm
Class 3 (Fe, Zn): 1,300 ppm

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

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

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

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02

	GHS07
H PHRASES:	H225
	H319
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P501
	P243
	P280
	P303+P361+P353
	P370+P378
	P403+P235
	P264
	P305+P351+P338
	P337+P313

MASTER NAME:	Ethanol 96% v/v
SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2207 10 00 90
INDEX NR.:	603-002-00-5

Ethanol 96% v/v for UV, IR, HPLC

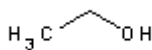
Ethyl Alcohol

Minimum assay (v/v): 96%

CODE	361085
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 361085.1611	PACKAGING SIZE 1000 ml	
	CODE 361085.0537	PACKAGING SIZE 30 l	Product discontinued. Alternative 361085.1611 (please check specifications).



① Technical data

MELTING POINT:	-114.1 °C
BOILING POINT:	78.5 °C

DENSITY: 0.805 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 361085

PRODUCT NAME: Ethanol 96% v/v for UV, IR, HPLC

QUALITY NAME: for UV, IR, HPLC

SPECIFICATIONS: Minimum assay (v/v): 96%
Density 20/4: 0.804-0.807

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0005 meq/g

Alkalinity: 0.0002 meq/g

Non-volatile matter: 0.0005 %

Suitability for IR spectrometry:: passes test

UV Spectrum (1cm cell; Ref.: water):

Transmittance at 207 (Cut off) nm: $\geq 10\%$

Transmittance at 210 nm: $\geq 35\%$

Transmittance at 220 nm: $\geq 55\%$

Transmittance at 230 nm: $\geq 72\%$

Transmittance at 240 nm: $\geq 90\%$

Transmittance at 270-400 nm: $\geq 98\%$

Data of interest in HPLC:

Rohrschneider Polarity: 4.3

Eluotropic value e° (Al2O3): 0.88

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: 1170

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

MASTER NAME:	Ethanol 96% v/v
SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2207 10 00 90
INDEX NR.:	603-002-00-5

Ethanol 96% v/v (CE-IVD) for clinical diagnostics

Ethyl Alcohol

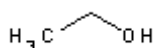
Assay (G.C.) (v/v): 96%

CODE	251085
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE	PACKAGING SIZE
251085.1214	5 l

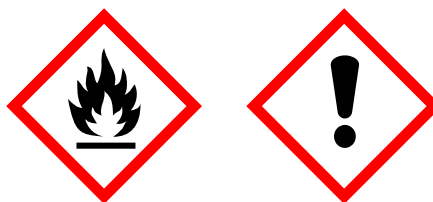


① Technical data

MELTING POINT:	-114.1 °C
BOILING POINT:	78.5 °C
DENSITY:	0.805 kg/l
REFRACTIVE INDEX:	20/D 1.361

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	251085
PRODUCT NAME:	Ethanol 96% v/v (CE-IVD) for clinical diagnostics
QUALITY NAME:	for clinical diagnostics
HEADLINE COMMENT:	In Vitro Diagnostic medical device class A in compliance to the Regulation (EU) 2017/746.
SPECIFICATIONS:	Assay (G.C.) (v/v): 96% Identity: IR passes test Density 20/4: 0.804-0.807 Maximum limit of impurities Non-volatile matter: 0.0005 % Filtered product (1 mm).

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319

P PHRASES:	P210
	P233
	P240
	P241
	P242
	P501
	P243
	P280
	P303+P361+P353
	P370+P378
	P403+P235
	P264
	P305+P351+P338
	P337+P313

MASTER NAME:	Ethanol 96% v/v
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SYNONYMS LONG TEXT:	Ethyl Alcohol
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EINECS:	200-578-6
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CS:	2207 10 00 90
-----	---------------

INDEX NR.:	603-002-00-5
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Ethanol 96% v/v (Ph.Eur, BP, USP) IPEC grade

Ethyl Alcohol

Assay (v/v) (d at 20°C): 95.1-96.9 %

CODE 631085

CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

Packs sizes (2)

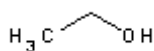


CODE PACKAGING SIZE

CODE 631085.1214 PACKAGING SIZE 5 l



CODE 631085.0716 PACKAGING SIZE 25 l



① Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.805 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 631085

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

QUALITY NAME: IPEC grade

SPECIFICATIONS: Assay (v/v) (d at 20°C): 95.1-96.9 %
Assay (v/v) (d at 15.56/15.56°C): 94.9-96.0%
Assay (w/w) (d at 20°C): 92.6-95.2%
Assay (w/w) (d at 15.56/15.56°C): 92.3-93.8%
Identity according to Pharmacopoeias:
(A Ph. Eur / USP): passes test
(B Ph. Eur / USP): IR passes test
(C Ph. Eur): passes test
(D Ph. Eur): passes test
(C USP) Methanol ≤ 0.0200 %: passes test
Density 20/20: 0.805-0.812
Specific gravity at 15.56° C: 0.812-0.816

Maximum limit of impurities

ABS λ 240 nm: 0.40

ABS λ 250-260 nm: 0.30

ABS λ 270-340 nm: 0.10

ABS Absorption curve, smooth: passes test

Appearance: passes test

Appearance Clarity of solution USP: passes test

Appearance Colour of solution USP: passes test

Acidity or alkalinity (in CH₃COOH): 0.0030%

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

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

Benzene: 0.0002%

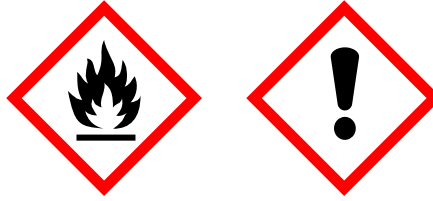
Volatile impurities (G.C.)

Methanol: 0.0200%

Acetaldehyde and acetal: 0.0010%

Total other impurities: 0.0300%

HAZARD PICTOGRAMS



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

MASTER NAME:	Ethanol 96% v/v
SYNONYMS LONG TEXT:	Ethyl Alcohol

EINECS:	200-578-6
CS:	2207 10 00 90
INDEX NR.:	603-002-00-5

Ethanol absolute dry (max. 0.02% water)

Ethyl Alcohol

Minimum assay (G.C.) (v/v): 99.8%

CODE 481086

CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

Packs sizes (1)

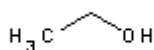


CODE

PACKAGING SIZE

CODE
481086.1611

PACKAGING SIZE
1000 ml



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

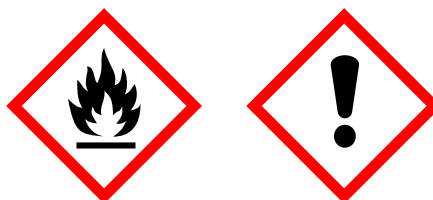
PRODUCT CODE: 481086

PRODUCT NAME: Ethanol absolute dry (max. 0.02% water)

SPECIFICATIONS: Minimum assay (G.C.) (v/v): 99.8%
Identity: IR passes test
Density 20/4: 0.789-0.790

Maximum limit of impurities
APHA colour: 10
Acidity: 0.0005 meq/g
Alkalinity: 0.0002 meq/g
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.0005 %
Darkened substances by H₂SO₄: passes test
Carbonyl compounds (as CH₃CHO): 0.005%
Acetone (G.C.): 0.001%
2-Butanol (G.C.): 0.02%
Butanone (G.C.): 0.003%
Methanol (G.C.): 0.02%
Water (H₂O): 0.02 %
Ca: 0.000 05%
Cd: 0.000 005%
Co: 0.000 002%
Cr: 0.000 002%
Cu: 0.000 01%
Fe: 0.000 01%
Mg: 0.000 01%
Mn: 0.000 002%
Ni: 0.000 002%
Pb: 0.000 01%
Zn: 0.000 01%

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR:

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

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

Ethanol absolute (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Ethyl Alcohol

Minimum assay (G.C.) (v/v): 99.8%

CODE	131086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (7)

	CODE	PACKAGING SIZE
	CODE 131086.1211	PACKAGING SIZE 1000 ml
	CODE 131086.1611	PACKAGING SIZE 1000 ml
	CODE 131086.1212	PACKAGING SIZE 2.5 l
	CODE 131086.1612	PACKAGING SIZE 2.5 l
	CODE 131086.1214	PACKAGING SIZE 5 l



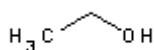
CODE
131086.1315

PACKAGING SIZE
10 l



CODE
131086.0716

PACKAGING SIZE
25 l



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131086

PRODUCT NAME: Ethanol absolute (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

QUALITY NAME: for analysis, ACS, ISO

SPECIFICATIONS: Minimum assay (G.C.) (v/v): 99.8%
Specific Gravity 15,56°C: < 0.7962
Identity: IR passes test
according to Pharmacopoeias:: passes test
Density 20/20: 0.790-0.793

Maximum limit of impurities

APHA colour: 10

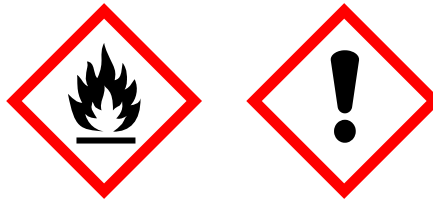
Appearance: passes test
Appearance Clarity of solution: passes test
Acidity: 0.00035 meq/g
Alkalinity: 0.0002 meq/g
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.0005 %
Reducing substance to KMnO₄: passes test
Darkened substances by H₂SO₄: passes test
Carbonyl compounds (as CH₃CHO): 0.005%
Fusel oil: passes test
Absorbance: passes test
Residual solvents (Ph.Eur/USP): passes test
Acetone (G.C.): 0.001%
2-Butanol (G.C.): 0.02%
2-Propanol (G.C.): 0.003%
Higher Alcohols (G.C.): 0.01%
Butanone (G.C.): 0.003%
3-Methyl-1-Butanol (G.C.): 0.05%
Volatile impurities (G.C.):
Methanol: 0.02 %
Acetaldehyde and acetal: 0.001 %
Benzene: 0.0002 %
Total other impurities: 0.03 %
Water (H₂O): 0.2 %
Residual metals ICP: (according to EMEA/CHMP /SWP/4446/2000)
Class 1A (Pt, Pd): 10 ppm
Class 1B (Ir, Rh, Ru, Os): 10 ppm
Class 1C (Mo, Ni, Cr, V): 25 ppm
Class 2 (Cu, Mn): 250 ppm
Class 3 (Fe, Zn): 1,300 ppm

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

Ag: 0.05
Al: 0.5
As: 0.05
Au: 0.05
B: 0.02
Ba: 0.1
Be: 0.02
Bi: 0.05
Ca: 0.5
Cd: 0.05
Co: 0.02

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

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

STORAGE: Storage away from direct light.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P280 P303+P361+P353 P370+P378 P403+P235 P264 P305+P351+P338 P337+P313

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

Ethanol absolute (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade

Ethyl Alcohol

Minimum assay (v/v) (d at 20/20°C): 99.5%

CODE 631086

CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

Packs sizes (4)



CODE

CODE
631086.0716

PACKAGING
SIZE

PACKAGING
SIZE
25 l



CODE
631086.0819

PACKAGING
SIZE
200 l

Product discontinued. Alternative
631086.3619 (please check specifications).



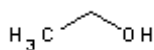
CODE
631086.3619

PACKAGING
SIZE
200 l



CODE
631086.9774

PACKAGING
SIZE
1000 l



① Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 631086

PRODUCT NAME: Ethanol absolute (Ph. Eur, BP, USP, JP) low endotoxin, IPEC grade

QUALITY NAME: low endotoxin, IPEC grade

SPECIFICATIONS: Minimum assay (v/v) (d at 20/20°C): 99.5%
Minimum assay (v/v) (d at 15.56/15.56°C): 99.5%
Minimum assay (v/v) (d at 15/15°C): 99.5%
Identity (A Ph. Eur / USP): passes test
(B Ph. Eur / USP): IR passes test
(C Ph. Eur): passes test
(D Ph. Eur): passes test
according to Pharmacopoeias:
(C USP) Methanol $\leq 0,0200$ %: passes test
Density 20/20: 0.790-0.793
Density 15/15: 0.794-0.797
Specific gravity at 15.56° C: <0.7962

Maximum limit of impurities

ABS λ 240 nm: 0.40

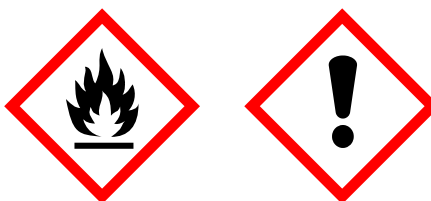
ABS λ 250-260 nm: 0.30

ABS λ 270-340 nm: 0.10

ABS Absorption curve, smooth: passes test

Appearance: passes test
Appearance Clarity of solution USP: passes test
Appearance Colour of solution USP: passes test
Acidity or alkalinity (in CH₃COOH): 0.0030%
Non-volatile matter (w/v): 0.0025%
Residual solvents (Ph.Eur/USP): passes test
Microbial Limits
Bacterial endotoxins: 2.5 IU/mL
Volatile impurities (G.C.):
Methanol: 0.0200%
Acetaldehyde and acetal: 0.0010%
Benzene: 0.0002%
Total other impurities: 0.0300%

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P240 P241 P242 P501

P243
P280
P303+P361+P353
P370+P378
P403+P235
P264
P305+P351+P338
P337+P313

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

Ethanol 99.8 % denatured with IPA, MEK and Bitrex pure

Assay (GC, denaturant not included): min. 99.8 %

CODE	147194
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (3)



CODE

CODE
147194.1214

PACKAGING SIZE

PACKAGING SIZE
5 L



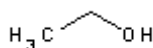
CODE
147194.1215

PACKAGING SIZE
10 L



CODE
147194.0716

PACKAGING SIZE
25 L



REFRACTIVE INDEX: n_{20/D} 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 147194

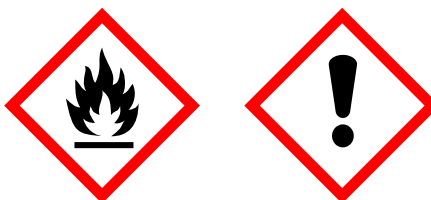
PRODUCT NAME: Ethanol 99.8 % denatured with IPA, MEK and Bitrex pure

SHORT DESCRIPTION: additional product description: According to Regulation (EU) 2017/1112 of 22 June 2017

HEADLINE COMMENT: **This product can be purchased tax-free within the EU. Buyers outside Germany must be certified recipients.**
Contains per 100 L Alcohol: 1.0 L IPA, 1.0 L MEK and 1.0 g Bitrex

SPECIFICATIONS: Assay (GC, denaturant not included): min. 99.8 %
Acidity (as CH₃COOH): max. 1.0 mg/100 mL
Identity (IR): passes test
Density (d 20°C): 0.788 - 0.790 kg/l
Water (K.F.): max. 0.3 %

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: RT

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P241 P280 P305+P351+P338 P501

EINECS:	200-578-6
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CS:	22072000
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INDEX NR.:	603-002-00-5
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Ethanol 96% v/v partially denatured technical grade

Ethyl Alcohol

Minimum assay (in vol. of CH₃CH₂OH): 95.5%

CODE 212800

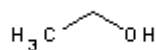
CAS 64-17-5

MOLECULAR FORMULA CH₃CH₂OH

MOLAR MASS 46.07 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	
	CODE 212800.1214	PACKAGING SIZE 5 l	
	CODE 212800.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 212800.1214 (please check specifications).
	CODE 212800.0716	PACKAGING SIZE 25 l	
	CODE 212800.9774	PACKAGING SIZE 1000 l	



① Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.811 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 212800

PRODUCT NAME: Ethanol 96% v/v partially denatured technical grade

QUALITY NAME: technical grade

HEADLINE COMMENT: contains 0,3% v/v of Diethyl Phthalate and 2 ppm of Bitrex.

SPECIFICATIONS: Minimum assay (in vol. of CH₃CH₂OH): 95.5%
Density 20/4: 0.804-0.813
Alkalinity (as NH₃): 0.002 %
Diethyl Phthalate (v/v): 0.3%
DO NOT USE FOR ALIMENTARY PURPOSE
Sells are not allowed in EU except Spain.

HAZARD PICTOGRAMS



UN: 1170

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

MASTER NAME:	Ethanol 96% v/v *partially denatured
SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2207 20 00 90
INDEX NR.:	603-002-00-5

Ethanol absolute for molecular biology

Assay (GC): min. 99.8 %

CODE

A8075

CAS

64-17-5

MOLECULAR FORMULA

C₂H₆O

MOLAR MASS

46.07 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

A8075,1000PE

PACKAGING SIZE

1 L

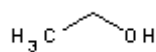


CODE

A8075,2500PE

PACKAGING SIZE

2.5 L



Technical data

REFRACTIVE INDEX:

n₂₀/D 1.3611 (abs.)

PHYSICAL DESCRIPTION:

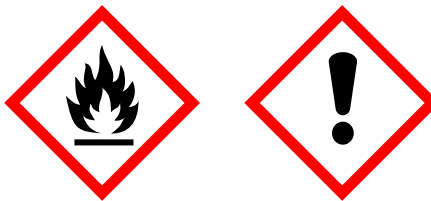
Liquid

PRODUCT CODE:

A8075

PRODUCT NAME:	Ethanol absolute for molecular biology
HEADLINE COMMENT:	This ethanol is intended for consumers in the EU and in third countries. EU consumers require an approved tax warehouse.
SPECIFICATIONS:	DNases/RNases/Proteases: not detectable Assay (GC): min. 99.8 % Acidic/alkaline react. subst.: max. 0.0002 % Non-Volatile matter: max. 0.001 % Water (K.F.): max. 0.2 %

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P241 P280 P305+P351+P338

P501

EINECS:	200-578-6
CS:	22071000
INDEX NR.:	603-002-00-5

Ethanol absolute for HPLC gradient

Ethyl Alcohol

Minimum assay (G.C.) (v/v): 99.9%

CODE 221086

CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

Packs sizes (1)

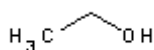


CODE

PACKAGING SIZE

CODE
221086.1612

PACKAGING SIZE
2.5 l



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

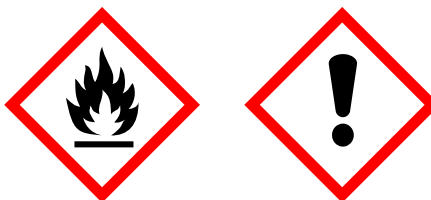
DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	221086
PRODUCT NAME:	Ethanol absolute for HPLC gradient
QUALITY NAME:	for HPLC gradient
SPECIFICATIONS:	Minimum assay (G.C.) (v/v): 99.9% Density 20/4: 0.789-0.790 Maximum limit of impurities APHA colour: 10 Acidity: 0.0002 meq/g Alkalinity: 0.0002 meq/g Non-volatile matter: 0.0002 % Water (H₂O): 0.1 % Gradient at 235 nm: 5 mUA Gradient at 254 nm: 2 mUA UV Spectrum (1cm cell; Ref.: water): Transmittance at 205 (Cut off) nm: $\geq 10\%$ Transmittance at 210 nm: $\geq 35\%$ Transmittance at 225 nm: $\geq 60\%$ Transmittance at 240 nm: $\geq 85\%$ Transmittance at 260-400 nm: $\geq 98\%$ Data of interest in HPLC: Rohrschneider Polarity: 4.3 Eluotropic value e° (Al₂O₃): 0.88 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:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II

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

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

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

Ethyl Alcohol

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

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

Packs sizes (9)

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



CODE
191086.1214

PACKAGING
SIZE
5 l



CODE
191086.9914

PACKAGING
SIZE
5 l



CODE
191086.0716

PACKAGING
SIZE
25 l



CODE
191086.0819

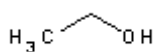
PACKAGING
SIZE
200 l

Product discontinued. Alternative
191086.3619 (please check specifications).



CODE
191086.3619

PACKAGING
SIZE
200 l



① Technical data

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

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

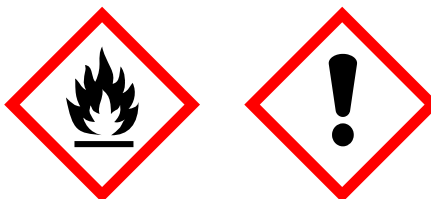
QUALITY NAME: pharma grade

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

Maximum limit of impurities

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

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

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

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

Ethanol absolute (CE-IVD) for clinical diagnostics

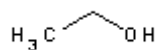
Ethyl Alcohol

Assay (G.C.) (v/v): 99.8%

CODE	251086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE	
	CODE 251086.1211	PACKAGING SIZE 1000 ml	
	CODE 251086.1212	PACKAGING SIZE 2,5 l	Product active until stock lasts.
	CODE 251086.1214	PACKAGING SIZE 5 l	
	CODE 251086.9914	PACKAGING SIZE 5 l	
	CODE 251086.1215	PACKAGING SIZE 10 l	



① Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 251086

PRODUCT NAME: Ethanol absolute (CE-IVD) for clinical diagnostics

QUALITY NAME: for clinical diagnostics

HEADLINE COMMENT: In Vitro Diagnostic medical device class A in compliance to the Regulation (EU) 2017/746.

SPECIFICATIONS: Assay (G.C.) (v/v): 99.8%
Identity: IR passes test
Density 20/4: 0.789-0.790

Maximum limit of impurities

Non-volatile matter: 0.0005 %

Filtered product (1 mm).

Water (H₂O): 0.2 %

HAZARD PICTOGRAMS



UN: 1170

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

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

Ethanol absolute for analysis

Assay (GC): min. 99.8 %

CODE

A1613

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (4)



CODE

CODE
A1613,1000GL

PACKAGING SIZE

PACKAGING SIZE
1 L



CODE

A1613,1000PE

PACKAGING SIZE

1 L

Product active until stock lasts.



CODE

A1613,2500PE

PACKAGING SIZE

2.5 L



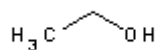
CODE

A1613,5000PE

PACKAGING SIZE

5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX: n_{20/D} 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

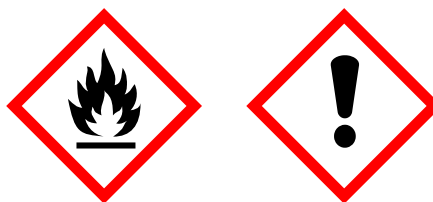
PRODUCT CODE: A1613

PRODUCT NAME: Ethanol absolute for analysis

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

SPECIFICATIONS: Assay (GC): min. 99.8 %
Acidity/Alkalinity: max. 0.0005 meq/g
Non-volatile matter: max. 0.001 %
Total P: max. 0.0001 %
Total S: max. 0.0001 %
Total Si: max. 0.0002 %
Density (d 20°C/20°C): 0.790 - 0.793
Acetone: max. 0.001 %
Aldehydes: max. 0.001 %
Methanol: max. 0.05 %
Water (K.F.): max. 0.2 %
Fe: max. 0.00001 %
Mn: max. 0.00001 %
Ni: max. 0.00001 %
Pb: max. 0.00001 %
Zn: max. 0.00001 %
Cr: max. 0.00001 %

HAZARD PICTOGRAMS



UN: 1170

CLASS/PG: 3/II

ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P241 P280 P305+P351+P338 P501
EINECS:	200-578-6
CS:	22071000
INDEX NR.:	603-002-00-5

Ethanol absolute pure

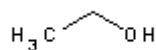
Ethyl Alcohol

Assay (G.C.) (v/v): 99.5%

CODE	141086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE	
	CODE 141086.1211	PACKAGING SIZE 1000 ml	
	CODE 141086.1212	PACKAGING SIZE 2.5 l	
	CODE 141086.1214	PACKAGING SIZE 5 l	
	CODE 141086.1315	PACKAGING SIZE 10 l	Product active until stock lasts.
	CODE 141086.0716	PACKAGING SIZE 25 l	



① Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141086

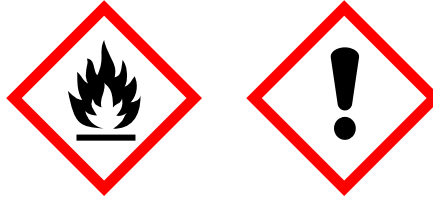
PRODUCT NAME: Ethanol absolute pure

QUALITY NAME: pure

SPECIFICATIONS:

- Assay (G.C.) (v/v): 99.5%
- Identity: IR passes test
- Density 20/4: 0.789-0.790
- Acidity: 0.002 meq/g
- Alkalinity: 0.001 meq/g
- Insoluble matter in H₂O: passes test
- Non-volatile matter: 0.005 %
- Carbonyl compounds (as CH₃CHO): 0.01%
- Acetone (G.C.): 0.005%
- 2-Propanol (G.C.): 0.05%
- Methanol (G.C.): 0.05%
- Water (H₂O): 0.5 %
- Cu: 0.00002 %
- Fe: 0.00005 %
- Ni: 0.00002 %
- Pb: 0.00002 %

HAZARD PICTOGRAMS



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

MASTER NAME:	Ethanol absolute
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SYNONYMS LONG TEXT:	Ethyl Alcohol
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EINECS: 200-578-6

CS: 2207 10 00 90

INDEX NR.: 603-002-00-5

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

Assay (v/v): min. 99.5 %

CODE

A4230

CAS

64-17-5

MOLECULAR FORMULA

CH₃CH₂OH

MOLAR MASS

46.07 g/mol

Packs sizes (3)



CODE

CODE

A4230,1000GL

PACKAGING SIZE

PACKAGING SIZE

1 L

Product active until stock lasts.



CODE

A4230,1000PE

PACKAGING SIZE

1 L

Product active until stock lasts.

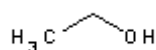


CODE

A4230,2500PE

PACKAGING SIZE

2.5 L



i Technical data

REFRACTIVE INDEX: n20/D 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A4230

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

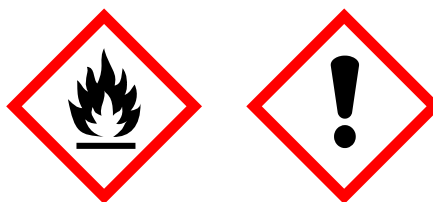
HEADLINE COMMENT: This ethanol is intended for consumers in Germany only. The product may only be purchased at AppliChem Darmstadt.

SPECIFICATIONS:

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

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

HAZARD PICTOGRAMS



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

P280
P305+P351+P338
P501

EINECS: 200-578-6

CS: 22071000

INDEX NR.: 603-002-00-5

Ethanol absolute, 99,5% for synthesis

Ethyl Alcohol

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

CODE 161086

CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

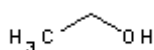
Packs sizes (1)



CODE PACKAGING
SIZE

CODE PACKAGING
161086.0616 SIZE
25 l

Product discontinued. Alternative
141086.0716 (please check specifications).



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

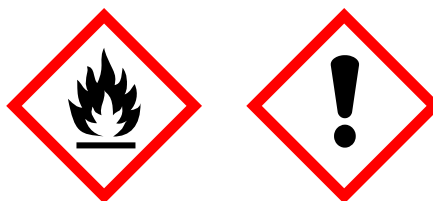
DENSITY: 0.790 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	161086
PRODUCT NAME:	Ethanol absolute, 99,5% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (G.C.) (v/v): 99.5% Identity: IR passes test Density 20/4: 0.789-0.790 Non-volatile matter: 0.001 % Water (H2O): 0.2 %

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319
P PHRASES:	P210 P233 P240 P241 P242 P501

P243
P280
P303+P361+P353
P370+P378
P403+P235
P264
P305+P351+P338
P337+P313

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

Ethanol absolute partially denatured technical grade

Ethyl Alcohol

Minimum assay (in vol. of CH₃CH₂OH): 99.5%

CODE	212801
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (6)

	CODE	PACKAGING SIZE	
	CODE 212801.1211	PACKAGING SIZE 1000 ml	
	CODE 212801.1214	PACKAGING SIZE 5 l	
	CODE 212801.2814	PACKAGING SIZE 5 l	
	CODE 212801.1315	PACKAGING SIZE 10 l	Product discontinued. Alternative 212801.1214 (please check specifications).



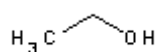
CODE
212801.0716

PACKAGING
SIZE
25 l



CODE
212801.9774

PACKAGING
SIZE
1000 l



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

DENSITY: 0.791 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 212801

PRODUCT NAME: Ethanol absolute partially denatured technical grade

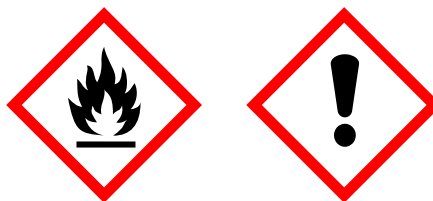
QUALITY NAME: technical grade

HEADLINE COMMENT: contains 0,3% v/v of Diethyl Phthalate and 2 ppm of Bitrex.

SPECIFICATIONS: Minimum assay (in vol. of CH₃CH₂OH): 99.5%
Density 20/4: 0.789-0.793
Alkalinity (as NH₃): 0.002 %
Diethyl Phthalate (as v/v): 0.3%
Water (H₂O): 0.5 %

DO NOT USE FOR ALIMENTARY PURPOSE
Sells are not allowed in EU except Spain.

HAZARD PICTOGRAMS



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

MASTER NAME:	Ethanol absolute *partially denatured
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SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2207 20 00 90
INDEX NR.:	603-002-00-5

Ethanol absolute for UV, IR, HPLC

Ethyl Alcohol

Minimum assay (G.C.) (v/v): 99.9%

CODE 361086

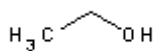
CAS 64-17-5

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

MOLAR MASS 46.07 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 361086.1611	PACKAGING SIZE 1000 ml
	CODE 361086.1612	PACKAGING SIZE 2.5 l
	CODE 361086.16153	PACKAGING SIZE 4 l



 Technical data

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

PRODUCT CODE:	361086
PRODUCT NAME:	Ethanol absolute for UV, IR, HPLC
QUALITY NAME:	for UV, IR, HPLC
SPECIFICATIONS:	Minimum assay (G.C.) (v/v): 99.9% Density 20/4: 0.789-0.790

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0002 meq/g

Alkalinity: 0.0002 meq/g

Non-volatile matter: 0.0003 %

Water (H₂O): 0.1 %

Suitability for IR spectrometry:: passes test

Fluorescence at 254 nm (as quinine): 2 ppb

Fluorescence at 365 nm (as quinine): 1 ppb

UV Spectrum (1cm cell; Ref.: water):

Transmittance at 205 (Cut off) nm: ≥10%

Transmittance at 210 nm: ≥35%

Transmittance at 220 nm: ≥55%

Transmittance at 235 nm: ≥80%

Transmittance at 245 nm: ≥90%

Transmittance at 270-400 nm: ≥98%

Data of interest in HPLC:

Rohrschneider Polarity: 4.3

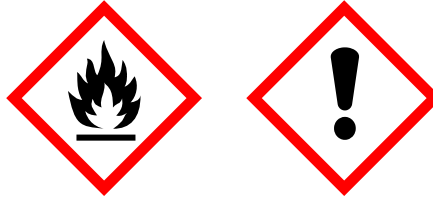
Eluotropic value e° (Al₂O₃): 0.88

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

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

Glycerol 87% for analysis

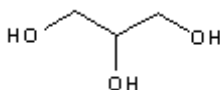
1,2,3,-Propanetriol, Glycerol

Assay (C₃H₈O₃): 86.0-88.0 %

CODE	122329
CAS	56-81-5
MOLECULAR FORMULA	C ₃ H ₈ O ₃
MOLAR MASS	92.10 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 122329.1211	PACKAGING SIZE 1000 ml	Product discontinued. Alternative 142329.1211 (please check specifications).
	CODE 122329.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 142329.1214 (please check specifications).



Technical data

MELTING POINT:	-10 °C
BOILING POINT:	130 °C 1,000 hPa

DENSITY: 1.228 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 122329

PRODUCT NAME: Glycerol 87% for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Assay (C₃H₈O₃): 86.0-88.0 %
Density 20/4: 1.224-1.232

Maximum limit of impurities

Acidity: 0.0005 meq/g

Alkalinity: 0.0003 meq/g

Insoluble matter in H₂O: passes test

Darkened substances by H₂SO₄: passes test

Residue on ignition (as SO₄): 0.005 %

Chloride (Cl): 0.0001%

Ammonium (NH₄): 0.0005%

Sulfate (SO₄): 0.0005%

Fatty acid esters (as C₁₅H₂₆O₆): 0.05%

Water (H₂O): 12.0-14.0 %

As: 0.00004 %

Cu: 0.0001 %

Fe: 0.0001 %

Ni: 0.0001 %

Pb: 0.0001 %

GLYCERINE OF VEGETABLE ORIGIN

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Glycerol 87%

SYNONYMS LONG TEXT: 1,2,3,-Propanetriol, Glycerol

EINECS: 200-289-5

CS: 2905 45 00 00

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

1,2,3,-Propanetriol, Glycerol

Assay (C₃H₈O₃): 85.0-88.0 %

CODE 142329

CAS 56-81-5

MOLECULAR FORMULA C₃H₈O₃

MOLAR MASS 92.10 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
142329.1211

PACKAGING SIZE
1000 ml



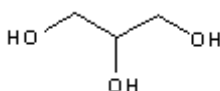
CODE
142329.1214

PACKAGING SIZE
5 l



CODE
142329.0719

PACKAGING SIZE
200 l



Technical data

MELTING POINT: -10 °C

BOILING POINT: 130 °C 1,000 hPa

DENSITY: 1.228 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 142329

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

QUALITY NAME: pharma grade, BioChemica

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

Maximum limit of impurities

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

WGK:	1
STORAGE:	Room Temperature.

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

Glycerol 87 % *BioChemica*

Assay (titr.): 85.0 - 88.0 %

CODE

A0970

CAS

56-81-5

MOLECULAR FORMULA

C₃H₈O₃

MOLAR MASS

92.10 g/mol

Packs sizes (2)



CODE

CODE
A0970,1000

PACKAGING SIZE

PACKAGING SIZE
1 L

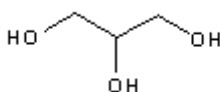
Product active until stock lasts.



CODE
A0970,5000

PACKAGING SIZE
5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX:

n_{20/D} 1.4490 - 1.4550

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:	A0970
PRODUCT NAME:	Glycerol 87 % <i>BioChemica</i>
SPECIFICATIONS:	Assay (titr.): 85.0 - 88.0 % Heavy metals (as Pb): max. 0.0001 % Insoluble matter: passes test Aldehyde: max. 0.05 % Water (K.F.): approx. 13 % Chloride: max. 0.0001 %

WGK:	1
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STORAGE:	RT
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ORIGIN:	from plants (non-animal origin!)
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EINECS:	200-289-5
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CS:	29054500
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Glycerol (Ph. Eur, BP, USP) IPEC grade

1,2,3-Propanetriol, Glycerol

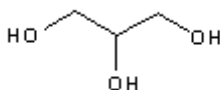
Assay (calc. a.a.s): 99.0-101.0%

CODE	631339
CAS	56-81-5
MOLECULAR FORMULA	C ₃ H ₈ O ₃
MOLAR MASS	92.10 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
631339.0716	25 l



① Technical data

MELTING POINT:	17.8 °C
BOILING POINT:	290 °C
DENSITY:	1.259 kg/l
REFRACTIVE INDEX:	20/D 1.474
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	631339
PRODUCT NAME:	Glycerol (Ph. Eur, BP, USP) IPEC grade
QUALITY NAME:	IPEC grade
SPECIFICATIONS:	Assay (calc. a.a.s): 99.0-101.0% Identity according to Pharmacopoeias: (A Ph. Eur / USP): passes test (B Ph. Eur / USP): passes test (C Ph. Eur / USP): passes test (D Ph. Eur): passes test Density 25/25: ≥ 1.249 Density 20/20: 1.258 - 1.268 Refractive Index n 20/D: 1.470-1.475 Specific gravity at 25°C: ≥ 1.249 Maximum limit of impurities Appearance of solution Appearance Transparent < formazin 50: passes test Appearance Colourless: passes test Acidity or alkalinity: < 0,2 ml NaOH 0,1M Residue on ignition (as SO₄): 0.01 % Sugars: passes test Chloride (Cl): 0.0010% Sulfate (SO₄): 0.002% Color: passes test Halogenated compounds Ph. Eur (as Cl): 0.0035% Chlorinated compounds USP (Cl): 0.003% Residual solvents (Ph.Eur/USP): passes test Aldehydes (as CH₂O): 0.0010% Total impurities Tr > Tr glycerine: 0.5% Impurity A (Diethyleneglycol): 0.1% Individual Tr < Tr glycerine: 0.1% Impurity A and related substances (C.G.) Diethyleneglycol and ethyleneglycol impurities (CG) Diethyleneglycol: 0.1% Ethyleneglycol: 0.1% Esters Ph. Eur.: passes test Fatty Acids and Esters (USP): < 1 ml NaOH 0,5 N Water (H₂O): 2.0 %

DOES NOT COME FROM ANIMAL ORIGIN.

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Glycerol

SYNONYMS LONG TEXT: 1,2,3-Propanetriol, Glycerol

EINECS: 200-289-5

CS: 2905 45 00 00

ExitusPlus™ Activity Test

CODE

A9411

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A9411,0025

PACKAGING SIZE
25 Tests

Technical data

PRODUCT CODE:	A9411
PRODUCT NAME:	ExitusPlus™ Activity Test
WGK:	1
STORAGE:	RT
CS:	38221900

Glycerol anhydrous *BioChemica*

Assay (titr.): min. 99.0 %

CODE

A1123

CAS

56-81-5

MOLECULAR FORMULA

C₃H₈O₃

MOLAR MASS

92.10 g/mol

Packs sizes (2)



CODE

CODE
A1123,1000

PACKAGING SIZE

PACKAGING SIZE
1 L

Product active until stock lasts.



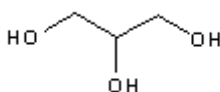
CODE

A1123,2500

PACKAGING SIZE

2.5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX:

n_{20/D} 1.4740

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:	A1123
PRODUCT NAME:	Glycerol anhydrous <i>BioChemica</i>
SPECIFICATIONS:	Assay (titr.): min. 99.0 % Acidity/Alkalinity: passes test Organic chlorine: max. 0.0005 % Heavy metals (as Pb): max. 0.0005 % Insoluble matter: passes test Fatty acids: max. 0.02 % Water (K.F.): max. 0.5 % Chloride: max. 0.0001 % Sulfate: max. 0.001 % A (1 cm/2 M in H ₂ O) 260 nm: max. 0.05 280 nm: max. 0.05

WGK:	1
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STORAGE:	RT
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ORIGIN:	from plants (non-animal origin!)
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EINECS:	200-289-5
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CS:	29054500
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Glycerol, 99% for synthesis

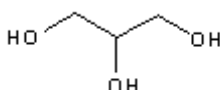
1,2,3-Propanetriol, Glycerol

Assay (G.C.): 99.0%

CODE	151339
CAS	56-81-5
MOLECULAR FORMULA	$C_3H_8O_3$
MOLAR MASS	92.10 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 151339.1211	PACKAGING SIZE 1000 ml	
	CODE 151339.1214	PACKAGING SIZE 5 l	Product active until stock lasts.



Technical data

MELTING POINT:	17.8 °C
BOILING POINT:	290 °C

DENSITY: 1.259 kg/l

REFRACTIVE INDEX: 20/D 1.474

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 151339

PRODUCT NAME: Glycerol, 99% for synthesis

QUALITY NAME: for synthesis

SPECIFICATIONS: Assay (G.C.): 99.0%
Identity: IR passes test
Density 20/4: 1.259-1.263
Chloride (Cl): 0.005%
Sulfate (SO₄): 0.005%
Water (H₂O): 0.5 %
As: 0.0003%
GLYCERINE OF VEGETABLE ORIGIN

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Glycerol

SYNONYMS LONG TEXT: 1,2,3-Propanetriol, Glycerol

EINECS: 200-289-5

CS: 2905 45 00 00

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

1,2,3-Propanetriol, Glycerol

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

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

Packs sizes (5)



CODE
141339.1211

PACKAGING SIZE
1000 ml



CODE
141339.1212

PACKAGING SIZE
2.5 l



CODE
141339.1214

PACKAGING SIZE
5 l



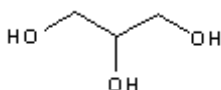
CODE
141339.0716

PACKAGING SIZE
25 l



CODE
141339.0719

PACKAGING SIZE
200 l



① Technical data

MELTING POINT: 17.8 °C

BOILING POINT: 290 °C

DENSITY: 1.259 kg/l

REFRACTIVE INDEX: 20/D 1.474

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141339

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance of solution: passes test

Acidity or alkalinity: passes test

Residue on ignition (as SO₄): 0.01 %

Sugars: passes test

Chloride (Cl): 0.001%

Ammonium (NH₄): 0.001%

Sulfate (SO₄): 0.002%

Color: passes test

Halogenated compounds (as Cl): 0.003 %

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

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

WGK:	1
STORAGE:	Room Temperature.

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

Glycerol (Reag. USP) for analysis, ACS, Molecular biology grade, *BioChemica*

Assay (GC): min. 99.5 %

CODE	131339
CAS	56-81-5
MOLECULAR FORMULA	$C_3H_8O_3$
MOLAR MASS	92.10 g/mol

Packs sizes (3)



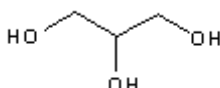
CODE	PACKAGING SIZE
CODE 131339.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 131339.1212	PACKAGING SIZE 2.5 L



CODE	PACKAGING SIZE
CODE 131339.1214	PACKAGING SIZE 5 L



REFRACTIVE INDEX: n₂₀/D 1.4740

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 131339

PRODUCT NAME: Glycerol (Reag. USP) for analysis, ACS, Molecular biology grade, *BioChemica*

SPECIFICATIONS: DNases/RNases/Proteases: not detectable
Assay (GC): min. 99.5 %
Chlorine compounds (as Cl): max. 0.003 %
Identity (IR): passes test
Density (d 20°C/4°C): 1.257 - 1.261
Color no.: max. 10 APHA
Acidity: max. 0.0005 meq/g
Alkalinity: max. 0.0003 meq/g
Insoluble matter in H₂O: passes test
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): max. 0.005 %
Heavy metals (as Pb): max. 0.0001 %
Neutrality: passes test
Fatty acid esters (as C₁₅H₂₆O₆): max. 0.02 %
Acrolein and glucose: passes test
Water (H₂O): max. 0.5 %
Chloride: max. 0.0001 %
Sulfate: max. 0.0005 %
Ammonium: max. 0.0005 %
As: max. 0.00004 %
Fe: max. 0.0001 %
Pb: max. 0.0001 %
Cu: max. 0.0001 %
Ni: max. 0.0001 %
A (1 cm/2 M in H₂O)
260 nm: max. 0.05
280 nm: max. 0.05

WGK: 1

STORAGE: RT

ORIGIN: from plants (non-animal origin!)

EINECS: 200-289-5

CS: 29054500

Glycerol 87 % for molecular biology

Assay (titr.): 86.0 - 88.0 %

CODE

A3739

CAS

56-81-5

MOLECULAR FORMULA

C₃H₈O₃

MOLAR MASS

92.10 g/mol

Packs sizes (1)

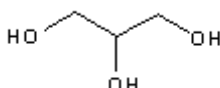


CODE

PACKAGING SIZE

CODE
A3739,1000

PACKAGING SIZE
1 L



Technical data

REFRACTIVE INDEX:

n_{20/D} 1.4490 - 1.4550

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A3739

PRODUCT NAME:

Glycerol 87 % for molecular biology

SPECIFICATIONS:

DNases/RNases/Proteases: not detectable

Assay (titr.): 86.0 - 88.0 %
Aldehyde: max. 0.05 %
Water (K.F.): approx. 13 %
Chloride: max. 0.0001 %
Fe: max. 0.0005 %
Pb: max. 0.0001 %

WGK: 1

STORAGE: RT

ORIGIN: from plants (non-animal origin!)

EINECS: 200-289-5

CS: 29054500

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

Hydrogen Dioxide, Hydroperoxide

Assay (in vol. O₂) (Perm.): 110 vol.

CODE

141077

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141077.1211

1000 ml



CODE

PACKAGING SIZE

141077.1214

5 l

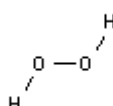


CODE

PACKAGING SIZE

141077.0716

25 l



Technical data

MELTING POINT: -26 °C

BOILING POINT: 107 °C

DENSITY: 1.11 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141077

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Acidity: passes test

Non-volatile matter: 0.05 %

Chloride (Cl): 0.005%

Nitrogen compounds (as N): 0.005%

Sulfate (SO₄): 0.001%

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

Organic stabilizers: 0.05%

HAZARD PICTOGRAMS



UN: 2014

CLASS/PG: 5.1(8)/II

ADR: 5.1(8)/II

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

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

Hydrogen Peroxide 33% w/v (110 vol.) (Reag. USP) for analysis, ACS, ISO

Hydrogen Dioxide, Hydroperoxide

Assay (in vol. O₂) (Perm.): 110 vol.

CODE

131077

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (1)



CODE

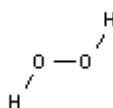
PACKAGING SIZE

CODE

PACKAGING SIZE

131077.1211

1000 ml



① Technical data

MELTING POINT:

-26 °C

BOILING POINT:

107 °C

DENSITY:

1.11 kg/l

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	131077
PRODUCT NAME:	Hydrogen Peroxide 33% w/v (110 vol.) (Reag. USP) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Assay (in vol. O ₂) (Perm.): 110 vol. Assay (Perm.) w/w: 30.0-32.0 %

Maximum limit of impurities

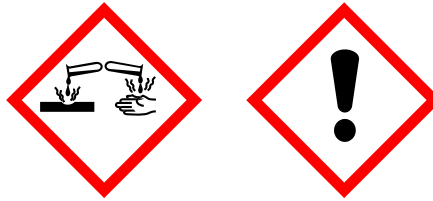
APHA colour: 10
 Acidity: 0.0006 meq/g
 Non-volatile matter: 0.002 %
 Chloride (Cl): 0.0001%
 Nitrogen compounds (as N): 0.0004%
 Ammonium (NH₄): 0.0005%
 Phosphate (PO₄): 0.0002 %
 Sulfate (SO₄): 0.0005%
 Nitrate (NO₃): 0.0002%
 Heavy metals (as Pb): 0.0001%

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

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

Li: 0.02
Mg: 0.1
Mn: 0.02
Mo: 0.02
Na: 1
Ni: 0.05
Pb: 0.1
Pt: 0.1
Sb: 0.02
Sr: 0.02
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.05

HAZARD PICTOGRAMS



UN:	2014
CLASS/PG:	5.1(8)/II
ADR:	5.1(8)/II
IMDG:	5.1(8)/II
IATA:	5.1(8)/II
WGK:	1
STORAGE:	Storage away from direct light.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H318
P PHRASES:	P264

P270
P280
P301+P312
P305+P351+P338
P310
P330
P501

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

Hydrogen Peroxide 30% w/w for trace metal analysis (ppt)

Hydrogen Dioxide, Hydroperoxide

Assay (H₂O₂ w/w): 30-32%

CODE

716323

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (1)

CODE

PACKAGING
SIZE

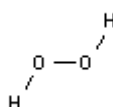


CODE

716323.0010

PACKAGING
SIZE
500 ml

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



① Technical data

DENSITY:

1.11 kg/l

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE: 716323

PRODUCT NAME: Hydrogen Peroxide 30% w/w for trace metal analysis (ppt)

QUALITY NAME: for trace metal analysis (ppt)

SPECIFICATIONS: Assay (H₂O₂ w/w): 30-32%

Maximum limit of impurities

Metals (ppt)

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

Mo: 10
Na: 50
Nb: 10
Nd: 1
Ni: 20
Pb: 10
Pd: 10
Pr: 1
Rb: 10
Re: 10
Rh: 10
Ru: 10
Sb: 10
Sc: 10
Se: 100
Sm: 1
Sn: 50
Sr: 10
Ta: 10
Tb: 1
Te: 1
Th: 1
Ti: 20
Tl: 1
Tm: 1
U: 1
V: 10
W: 20
Y: 1
Yb: 1
Zn: 50
Zr: 10

HAZARD PICTOGRAMS



UN: 2014

CLASS/PG: 5.1(8)/II

ADR: 5.1(8)/II

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

MASTER NAME:	Hydrogen Peroxide 30% w/w
SYNONYMS LONG TEXT:	Hydrogen Dioxide, Hydroperoxide
EINECS:	231-765-0
CS:	2847 00 00 00
INDEX NR.:	008-003-00-9

Hydrogen Peroxide 30% w/v (100 vol.) stabilized pure

Hydrogen Dioxide, Hydroperoxide

Assay (Perm.) w/v: 30%

CODE

141076

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

141076.1211

1000 ml

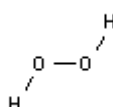


CODE

PACKAGING SIZE

141076.1214

5 l



① Technical data

MELTING POINT:

-26 °C

BOILING POINT: 107 °C

DENSITY: 1.10 kg/l

PHYSICAL DESCRIPTION: liquid

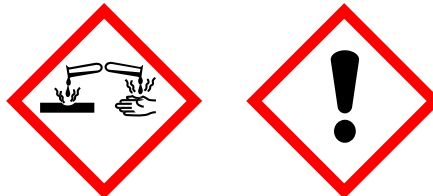
PRODUCT CODE: 141076

PRODUCT NAME: Hydrogen Peroxide 30% w/v (100 vol.) stabilized pure

QUALITY NAME: pure

SPECIFICATIONS: Assay (Perm.) w/v: 30%
Assay (in vol. O₂) (Perm.): 100 vol.
Acidity: 0.012 meq/g
Non-volatile matter: 0.05 %
Chloride (Cl): 0.005%
As: 0.00005 %
Cu: 0.001 %
Fe: 0.0005 %
Ni: 0.001 %
Pb: 0.001 %

HAZARD PICTOGRAMS



UN: 2014

CLASS/PG: 5.1(8)/II

ADR: 5.1(8)/II

IMDG: 5.1(8)/II

IATA: 5.1(8)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H318 H332
P PHRASES:	P264 P270 P280 P301+P312 P305+P351+P338 P310 P330 P501

MASTER NAME:	Hydrogen Peroxide 30% w/v *(100 vol)
SYNONYMS LONG TEXT:	Hydrogen Dioxide, Hydroperoxide
EINECS:	231-765-0
CS:	2847 00 00 00
INDEX NR.:	008-003-00-9

Hydrogen Peroxide 30% w/v (100 vol.) for analysis

Hydrogen Dioxide, Hydroperoxide

Minimum assay (Perm.) w/v: 30.0%

CODE 121076

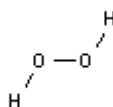
CAS 7722-84-1

MOLECULAR FORMULA H_2O_2

MOLAR MASS 34.01 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 121076.1211	PACKAGING SIZE 1000 ml	
	CODE 121076.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 131077.1211 (please check specifications).



① Technical data

MELTING POINT: -26 °C

BOILING POINT: 107 °C

DENSITY: 1.10 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 121076

PRODUCT NAME: Hydrogen Peroxide 30% w/v (100 vol.) for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: Minimum assay (Perm.) w/v: 30.0%
Assay (in vol. O₂) (Perm.): 100 vol.

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0008 meq/g

Non-volatile matter: 0.005 %

Chloride (Cl): 0.0001%

Nitrogen compounds (as N): 0.001%

Phosphate (PO₄): 0.0005 %

Sulfate (SO₄): 0.0005%

Heavy metals (as Pb): 0.0001%

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

Ag: 0.05

Al: 0.2

As: 0.5

Au: 0.1

B: 0.5

Ba: 0.1

Be: 0.02

Bi: 0.05

Ca: 0.5

Cd: 0.05

Co: 0.02

Cr: 0.02

Cu: 0.02

Fe: 0.1

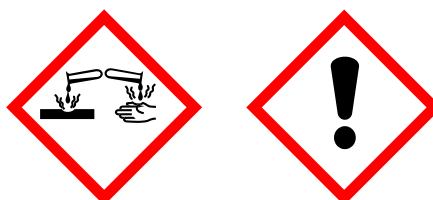
Ga: 0.05

Ge: 0.05

Hg: 0.1

In: 0.05
K: 5
Li: 0.02
Mg: 0.1
Mn: 0.02
Mo: 0.02
Na: 10
Ni: 0.05
Pb: 0.1
Pt: 0.1
Sb: 0.02
Sr: 0.02
Ti: 0.05
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.05

HAZARD PICTOGRAMS



UN:	2014
CLASS/PG:	5.1(8)/II
ADR:	5.1(8)/II
IMDG:	5.1(8)/II
IATA:	5.1(8)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS07 GHS05
H PHRASES:	H302 H318 H332

P PHRASES:	P264 P270 P280 P301+P312 P305+P351+P338 P310 P330 P501
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MASTER NAME:	Hydrogen Peroxide 30% w/v *(100 vol)
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SYNONYMS LONG TEXT:	Hydrogen Dioxide, Hydroperoxide
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EINECS:	231-765-0
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CS:	2847 00 00 00
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INDEX NR.:	008-003-00-9
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Sodium Hypochlorite solution 5 % w/v technical grade

Assay (Iodom.): 5 % $\pm$ 0.5 % *

CODE	212297
CAS	7681-52-9
MOLECULAR FORMULA	NaClO in H ₂ O
MOLAR MASS	74.45 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 212297.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
212297.1214	5 L

Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 212297

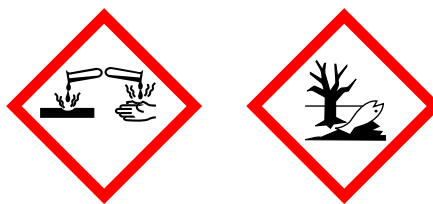
PRODUCT NAME: Sodium Hypochlorite solution 5 % w/v technical grade

HEADLINE COMMENT: * At the moment of the batch analysis.

SPECIFICATIONS:

Assay (Iodom.): 5 % $\pm$ 0.5 % *

HAZARD PICTOGRAMS



UN: 1791

CLASS/PG: 8/III

ADR: 8/III

IMDG: 8/III

IATA: 8/III

WGK: 2

STORAGE: < 20°C

SIGNAL WORD: Danger

GHS SYMBOLS: GHS05
GHS09

H PHRASES: EUH031
H290
H314
H400
H411

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

CS: 28289000

INDEX NR.: 017-011-00-1

Sodium Hypochlorite solution 13 % w/v technical grade

Assay (active chlorine, iodom.): 10.0 - 14.0 %

CODE	213322
CAS	7681-52-9
MOLECULAR FORMULA	NaClO in H ₂ O
MOLAR MASS	74.45 g/mol

Packs sizes (3)

	CODE	PACKAGING SIZE
	CODE 213322.1211	PACKAGING SIZE 1000 mL
	CODE 213322.1214	PACKAGING SIZE 5 L
	CODE 213322.0715	PACKAGING SIZE 10 L

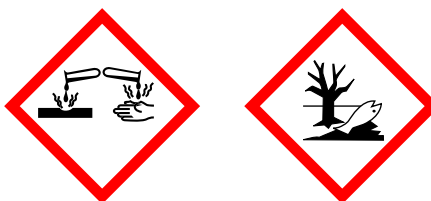
① Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 213322

PRODUCT NAME:	Sodium Hypochlorite solution 13 % w/v technical grade
HEADLINE COMMENT:	* The specification refers to the date of filling. Depending on the length of storage and temperature a decrease in the concentration of the active chlorine is expected.
SPECIFICATIONS:	Assay (active chlorine, iodom.): 10.0 - 14.0 % NaCl: max. 11.5 %

HAZARD PICTOGRAMS



UN:	1791
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	< 20°C
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	EUH031 H290 H314 H400 H411
P PHRASES:	P280 P303+P361+P353 P305+P351+P338

P310
P321
P405
P501

CS: 28289000

INDEX NR.: 017-011-00-1

Sodium Hypochlorite solution 10% w/v technical grade

Assay (Iodom.): 10 %*

CODE	211921
CAS	7681-52-9
MOLECULAR FORMULA	NaClO
MOLAR MASS	74.44 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 211921.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.
	CODE 211921.1214	PACKAGING SIZE 5 l	Product discontinued. Alternative 213322.1214 (please check specifications).

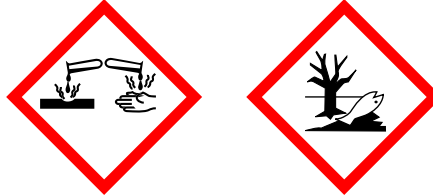
① Technical data

DENSITY:	1.18 kg/l
SOLUBILITY:	Miscible with water
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	211921
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PRODUCT NAME:	Sodium Hypochlorite solution 10% w/v technical grade
QUALITY NAME:	technical grade
SPECIFICATIONS:	Assay (Iodom.): 10 %* * At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN:	1791
CLASS/PG:	8/III
ADR:	8/III
IMDG:	8/III
IATA:	8/III
WGK:	2
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS09
H PHRASES:	EUH031 H314 H290 H318 H400 H411
P PHRASES:	P260 P264 P280 P301+P330+P331 P303+P361+P353

P501
P304+P340
P305+P351+P338
P310
P321
P338
P363
P405

MASTER NAME:	Sodium Hypochlorite solution 10% w/v
EINECS:	231-668-3
CS:	2828 90 00 00
INDEX NR.:	017-011-00-1

Hydrogen Peroxide 35 % pure

Assay (titr.): min. 35 %

CODE

147145

CAS

7722-84-1

MOLECULAR FORMULA

H₂O₂

MOLAR MASS

34.01 g/mol

Packs sizes (2)



CODE

CODE
147145.1211

PACKAGING SIZE

PACKAGING SIZE
1 L

Product active until stock lasts.

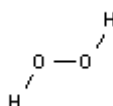


CODE

147145.3514

PACKAGING SIZE

5 L



Technical data

PHYSICAL DESCRIPTION:

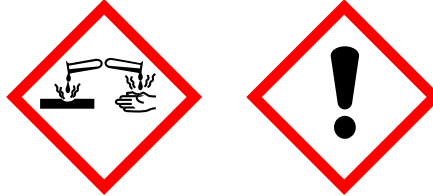
Liquid

PRODUCT CODE:

147145

PRODUCT NAME:	Hydrogen Peroxide 35 % pure
SHORT DESCRIPTION:	Stabilization: stabilized
SPECIFICATIONS:	Assay (titr.): min. 35 % Non-volatile matter: max. 0.05 % Acidic react. subst.: max. 0.025 %

HAZARD PICTOGRAMS



UN:	2014
CLASS/PG:	5.1(8)/II
ADR:	5.1(8)/II
IMDG:	5.1(8)/II
IATA:	5.1(8)/II
WGK:	1
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS05 GHS07
H PHRASES:	H302 H315 H318 H335
P PHRASES:	P261 P305+P351+P338 P310 P321 P330 P362+P364 P405

P501

EINECS:	231-765-0
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CS:	28470000
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INDEX NR.:	008-003-00-9
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Ethanol 96% v/v (F.C.C.) food grade

Ethyl Alcohol

Assay (by volume) (equiv. to 92.3% w/w) , not less than: 94.9%

CODE 201085

CAS 64-17-5

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

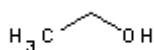
MOLAR MASS 46.07 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 201085.1214 PACKAGING SIZE 5 l



Technical data

MELTING POINT: -114.1 °C

BOILING POINT: 78.5 °C

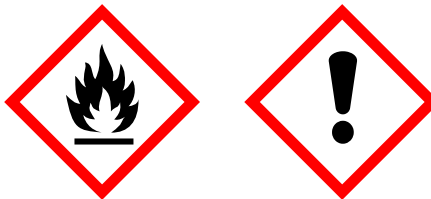
DENSITY: 0.805 kg/l

REFRACTIVE INDEX: 20/D 1.361

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	201085
PRODUCT NAME:	Ethanol 96% v/v (F.C.C.) food grade
QUALITY NAME:	food grade
HEADLINE COMMENT:	extraction solvent for industrial food use
SPECIFICATIONS:	Assay (by volume) (equiv. to 92.3% w/w) , not less than: 94.9% Identity: IR passes test Acidity (as CH₃COOH), not more than: 0.003% Alkalinity (as NH₃), not more than: 3 ppm Non-volatile residue , not more than: 0.003% Darkened substances by H₂SO₄: passes test Reducing substances of KMnO₄: passes test Fusel oil: passes test Solubility in water: passes test Ketones, 2-Propanol: passes test Methanol and other volatile impurities (G.C.) Methanol, not more than: 200 ppm Any other single impurity, no more than: 1000 ppm Total impurities, no more than: 5000 ppm Arsenic, not more than: 1 ppm Lead, not more than: 0.5 ppm Specifications Dir. 2009/32/CE, F.C.C. 12 For use in foodstuffs according to F.C.C.

HAZARD PICTOGRAMS



UN:	1170
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II

STORAGE: Storage away from direct light.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

H PHRASES: H225
H319

P PHRASES: P210
P233
P240
P241
P242
P501
P243
P280
P303+P361+P353
P370+P378
P403+P235
P264
P305+P351+P338
P337+P313

MASTER NAME: Ethanol 96% v/v

SYNONYMS LONG TEXT: Ethyl Alcohol

EINECS: 200-578-6

CS: 2207 10 00 90

INDEX NR.: 603-002-00-5

По вопросам продаж и поддержки обращайтесь:

Алматы (727)3454704
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
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
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