

Спирты

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
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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/>

1-Pentanol pure

n-Amyl Alcohol, n-Butylcarbinol, n-Pentyl Alcohol

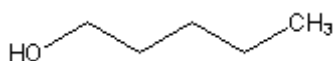
Assay (G.C.): 98%

CODE	141884
CAS	71-41-0
MOLECULAR FORMULA	C ₅ H ₁₂ O
MOLAR MASS	88.15 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 141884.1211	PACKAGING SIZE 1000 ml

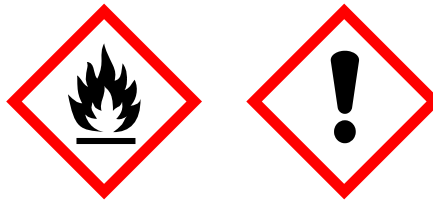


① Technical data

MELTING POINT:	-79 °C
BOILING POINT:	138 °C
DENSITY:	0.815 kg/l
SOLUBILITY:	water 27 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.41
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141884
PRODUCT NAME:	1-Pentanol pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (G.C.): 98% Identity: IR passes test Density 20/4: 0.814-0.816 Non-volatile matter: 0.01 % Carbonyl compounds (as HCHO): 0.1% Acids and esters: 0.15 meq/g Water (H2O): 0.5 % Cu: 0.0005 % Fe: 0.0005 % Ni: 0.0005 % Pb: 0.0005 %

HAZARD PICTOGRAMS



UN:	1105
CLASS/PG:	3/III
ADR:	3/III
IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H226 H332

	H335
	H315
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P501
	P243
	P261
	P264
	P271
	P280
	P302+P352
	P303+P361+P353
	P304+P340
	P312
	P321
	P332+P313
	P362
	P370+P378
	P403+P233
	P403+P235
	P405

MASTER NAME:	1-Pentanol
SYNONYMS LONG TEXT:	n-Amyl Alcohol, n-Butylcarbinol, n-Pentyl Alcohol
EINECS:	200-752-1
CS:	2905 19 00 98
INDEX NR.:	603-200-00-1

1-Octanol, 99% for synthesis

Caprylic Alcohol, n-Octyl Alcohol

Minimum assay (G.C.): 99%

CODE 163386

CAS 111-87-5

MOLECULAR FORMULA $C_8H_{18}O$

MOLAR MASS 130.23 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
163386.1211	1000 ml



CODE	PACKAGING SIZE
163386.1214	5 l



① Technical data

MELTING POINT: -16 °C

BOILING POINT: 195 °C

DENSITY: 0.825 kg/l

REFRACTIVE INDEX: 20/D 1.4291

liquid

PHYSICAL DESCRIPTION:

PRODUCT CODE: 163386

PRODUCT NAME: 1-Octanol, 99% for synthesis

QUALITY NAME: for synthesis

SPECIFICATIONS: Minimum assay (G.C.): 99%
Identity: IR passes test
Density 20/4: 0.824-0.826
Water (H2O): 0.1 %

HAZARD PICTOGRAMS

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H319

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

MASTER NAME: 1-Octanol

SYNONYMS LONG TEXT: Caprylic Alcohol, n-Octyl Alcohol

EINECS: 203-917-6

CS: 2905 16 85 90

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

Butyl Alcohol

Assay (G.C.): 99.5%

CODE 141082

CAS 71-36-3

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

MOLAR MASS 74.12 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 141082.0716 PACKAGING SIZE 25 l



① Technical data

MELTING POINT:	-90 °C
BOILING POINT:	118 °C
DENSITY:	0.810 kg/l
SOLUBILITY:	water 77 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.3993
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE: 141082

PRODUCT NAME: 1-Butanol (USP-NF) pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Assay (G.C.): 99.5%
Identity: IR passes test

Maximum limit of impurities

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

HAZARD PICTOGRAMS



UN: 1120

CLASS/PG: 3/III

ADR: 3/III

IMDG: 3/III

IATA: 3/III

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07

GHS05

H PHRASES:

H226
H302
H315
H318
H336
H335

P PHRASES:

P210
P233
P240
P241
P242
P243
P261
P264
P270
P271
P280
P301+P312
P302+P352
P303+P361+P353
P304+P340
P305+P351+P338
P310
P312
P321
P330
P332+P313
P362
P370+P378
P403+P233
P403+P235

MASTER NAME:

1-Butanol

SYNONYMS LONG TEXT:

Butyl Alcohol

EINECS:

200-751-6

CS:

2905 13 00 00

INDEX NR.:

603-004-00-6

1-Butanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

Butyl Alcohol

Minimum assay (G.C.): 99.5%

CODE 131082

CAS 71-36-3

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

MOLAR MASS 74.12 g/mol

Packs sizes (3)



CODE	PACKAGING SIZE
CODE 131082.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 131082.1612	PACKAGING SIZE 2.5 l



CODE	PACKAGING SIZE
CODE 131082.1214	PACKAGING SIZE 5 l



① Technical data

MELTING POINT: -90 °C

BOILING POINT:	118 °C
DENSITY:	0.810 kg/l
SOLUBILITY:	water 77 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.3993
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	131082
PRODUCT NAME:	1-Butanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO
QUALITY NAME:	for analysis, ACS, ISO
SPECIFICATIONS:	Minimum assay (G.C.): 99.5% Identity: IR passes test Density 20/4: 0.808-0.810 Range of Boiling: 116-119°C

Maximum limit of impurities

APHA colour: 10
 Acidity: 0.0008 meq/g
 Alkalinity: 0.0005 meq/g
 Insoluble matter in H₂O: passes test
 Non-volatile matter: 0.001 %
 Darkened substances by H₂SO₄: passes test
 Carbonyl compounds (as C₃H₇CHO): 0.01%
 Acetone (G.C.): 0.01%
 2-Butanol (G.C.): 0.05%
 Butanal (G.C.): 0.01%
 di-n-Butyl Ether (G.C.): 0.1%
 Isobutanol (G.C.): 0.15%
 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: 0.5
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: 0.5
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: 1120
CLASS/PG: 3/III
ADR: 3/III

IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS05
H PHRASES:	H226 H302 H315 H318 H336 H335
P PHRASES:	P210 P233 P240 P241 P242 P243 P261 P264 P270 P271 P280 P301+P312 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P330 P332+P313 P362 P370+P378 P403+P233

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

1-Butanol for UV, IR, HPLC

Butyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	361082
CAS	71-36-3
MOLECULAR FORMULA	$\text{CH}_3(\text{CH}_2)_3\text{OH}$
MOLAR MASS	74.12 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 361082.1611	PACKAGING SIZE 1000 ml



① Technical data

MELTING POINT:	-90 °C
BOILING POINT:	118 °C
DENSITY:	0.810 kg/l
SOLUBILITY:	water 77 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.3993
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE: 361082

PRODUCT NAME: 1-Butanol for UV, IR, HPLC

QUALITY NAME: for UV, IR, HPLC

SPECIFICATIONS: Minimum assay (G.C.): 99.9%
Density 20/4: 0.808-0.810

Maximum limit of impurities

APHA colour: 10
Acidity: 0.0002 meq/g
Alkalinity: 0.0002 meq/g
Non-volatile matter: 0.0003 %
Water (H₂O): 0.03 %
Suitability for IR spectrometry:: passes test
UV Spectrum (1cm cell; Ref.: water):
Transmittance at 207 (Cut off) nm: $\geq 10\%$
Transmittance at 210 nm: $\geq 25\%$
Transmittance at 220 nm: $\geq 50\%$
Transmittance at 230 nm: $\geq 75\%$
Transmittance at 240 nm: $\geq 85\%$
Transmittance at 250 nm: $\geq 94\%$
Transmittance at 270-450 nm: $\geq 98\%$
Data of interest in HPLC:
P' + 0,25 E: 8.3
Rohrschneider Polarity: 3.9
Eluotropic value e° (Al₂O₃): 0.7
Sol. H₂O in solv. at 20°C: 20.1
For critical jobs, purge with nitrogen.
Microfiltered product (0.2 μm) and bottled under nitrogen atmosphere.

HAZARD PICTOGRAMS



UN: 1120

CLASS/PG: 3/III

ADR: 3/III

IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS05
H PHRASES:	H226 H302 H315 H318 H336 H335
P PHRASES:	P210 P233 P240 P241 P242 P243 P261 P264 P270 P271 P280 P301+P312 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P330 P332+P313 P362 P370+P378 P403+P233

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

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



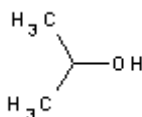
CODE
141090.3619

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

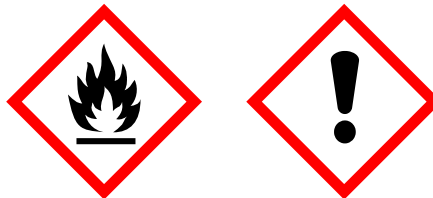
SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity according to Pharmacopoeias:: passes test
Density 25/25: 0.783-0.787
Density 20/20: 0.785-0.789
Refractive Index n 20/D: 1.376-1.378

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



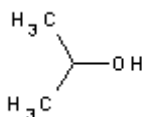
CODE
131090.0515

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

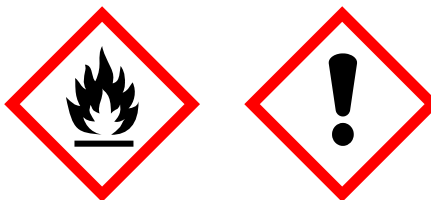
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.001 %
Reducing substance to KMnO₄ (as O): 0.0005 %
Darkened substances by H₂SO₄: passes test
Carbonyl compounds (as Acetone): 0.002%
Carbonyl compounds (as Propionaldehyde):
0.002%
Acetone (G.C.): 0.002%
1-Propanol (G.C.): 0.05%
Ethanol (G.C.): 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

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

n-Propanol, n-Propyl alcohol

Minimum assay (G.C.): 99.5%

CODE

131885

CAS

71-23-8

MOLECULAR FORMULA

CH₃CH₂CH₂OH

MOLAR MASS

60.10 g/mol

Packs sizes (4)



CODE

CODE

131885.1211

PACKAGING SIZE

PACKAGING SIZE

1000 ml

Product active until stock lasts.



CODE

131885.1611

PACKAGING SIZE

1000 ml

Product active until stock lasts.



CODE

131885.1612

PACKAGING SIZE

2.5 l



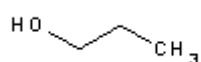
CODE

131885.0716

PACKAGING SIZE

25 l

Product active until stock lasts.



Technical data

MELTING POINT: -126.5 °C

BOILING POINT: 97.4 °C

DENSITY: 0.804 kg/l

REFRACTIVE INDEX: 20/D 1.385

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131885

PRODUCT NAME: 1-Propanol (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity: IR passes test
Density 20/4: 0.803-0.805
Range of Distillation (>95% dist.): 96-98°C

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0004 meq/g

Alkalinity: 0.0006 meq/g

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.001 %

Darkened substances by H₂SO₄: passes test

Carbonyl compounds (as C₂H₅CHO): 0.03%

Acetone (G.C.): 0.01%

2-Propanol (G.C.): 0.05%

Ethanol (G.C.): 0.01%

di-n-Propyl Ether (G.C.): 0.1%

Methanol (G.C.): 0.01%

Propionaldehyde (G.C.): 0.01%

Water (H₂O): 0.1 %

Ca: 0.00005 %

Cd: 0.000005 %

Co: 0.000002 %

Cr: 0.000002 %

Cu: 0.000002 %
Fe: 0.00001 %
Mg: 0.00001 %
Mn: 0.000002 %
Ni: 0.000002 %
Pb: 0.00001 %
Zn: 0.00001 %

HAZARD PICTOGRAMS



UN: 1274

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05
GHS07

H PHRASES: H225
H318
H336

P PHRASES: P210
P233
P240
P241
P242
P243
P261
P271

P280
P303+P361+P353
P304+P340
P305+P351+P338
P310
P312
P370+P378
P403+P233
P403+P235
P405
P501

MASTER NAME:	1-Propanol
SYNONYMS LONG TEXT:	n-Propanol, n-Propyl alcohol
EINECS:	200-746-9
CS:	2905 12 00 00
INDEX NR.:	603-003-00-0

1-Propanol for UV, IR, HPLC

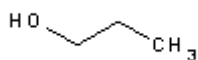
n-Propanol, n-Propyl alcohol

Minimum assay (G.C.): 99.8%

CODE	361885
CAS	71-23-8
MOLECULAR FORMULA	CH ₃ CH ₂ CH ₂ OH
MOLAR MASS	60.10 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 361885.1611	PACKAGING SIZE 1000 ml	
	CODE 361885.1612	PACKAGING SIZE 2.5 l	Product discontinued. Alternative 361885.1611 (please check specifications).



① Technical data

MELTING POINT:	-126.5 °C
BOILING POINT:	97.4 °C
DENSITY:	0.804 kg/l
REFRACTIVE INDEX:	20/D 1.385

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 361885

PRODUCT NAME: 1-Propanol for UV, IR, HPLC

QUALITY NAME: for UV, IR, HPLC

SPECIFICATIONS: Minimum assay (G.C.): 99.8%
Density 20/4: 0.803-0.805

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 %

Suitability for IR spectrometry:: passes test

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

Transmittance at 208 (Cut off) nm: $\geq 10\%$

Transmittance at 210 nm: $\geq 15\%$

Transmittance at 230 nm: $\geq 70\%$

Transmittance at 240 nm: $\geq 80\%$

Transmittance at 250 nm: $\geq 94\%$

Transmittance at 260-400 nm: $\geq 98\%$

Data of interest in HPLC:

Rohrschneider Polarity: 4.0

Eluotropic value e° (Al₂O₃): 0.82

Sol. H₂O in solv. at 20°C: miscible

For critical jobs, purge with nitrogen.

Microfiltered product (0.2 μ m) and bottled under nitrogen atmosphere.

HAZARD PICTOGRAMS



UN: 1274

CLASS/PG: 3/II

ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07
H PHRASES:	H225 H318 H336
P PHRASES:	P210 P233 P240 P241 P242 P243 P261 P271 P280 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P370+P378 P403+P233 P403+P235 P405 P501

MASTER NAME:	1-Propanol
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SYNONYMS LONG TEXT:	n-Propanol, n-Propyl alcohol
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EINECS:	
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200-746-9

CS: 2905 12 00 00

INDEX NR.: 603-003-00-0

1-Propanol p. A.

Assay (GC): min. 99.0 %

CODE

A0634

CAS

71-23-8

MOLECULAR FORMULA

CH₃CH₂CH₂OH

MOLAR MASS

60.10 g/mol

Packs sizes (2)



CODE

PACKAGING SIZE

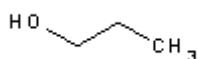
CODE
A0634,9800

PACKAGING SIZE
800 L



CODE
A0634,9930

PACKAGING SIZE
930 L



① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A0634

PRODUCT NAME:

1-Propanol p. A.

SPECIFICATIONS:

Assay (GC): min. 99.0 %

Refractive index: 1.38 - 1.39

Sum of other alcohols (GC): max. 1 %

HAZARD PICTOGRAMS



UN: 1274

CLASS/PG: 3/III

ADR: 3/III

IMDG: 3/III

IATA: 3/III

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05
GHS07

H PHRASES: H225
H318
H336

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

EINECS: 200-746-9

CS: 29051200

INDEX NR.: 603-003-00-0

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

1,2-Propileneglycol

Minimum assay (G.C.): 99.5%

CODE	141545
CAS	57-55-6
MOLECULAR FORMULA	C ₃ H ₈ O ₂
MOLAR MASS	76.10 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
CODE 141545.1211	PACKAGING SIZE 1000 ml



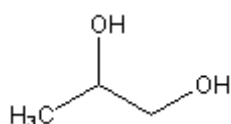
CODE	PACKAGING SIZE
CODE 141545.1214	PACKAGING SIZE 5 l



CODE	PACKAGING SIZE
CODE 141545.0716	PACKAGING SIZE 25 l



CODE	PACKAGING SIZE
CODE 141545.0718	PACKAGING SIZE 60 l



Technical data

MELTING POINT: -59 °C

BOILING POINT: 189 °C

DENSITY: 1.040 kg/l

REFRACTIVE INDEX: 20/D 1.4324

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141545

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance: passes test

Acidity (Ph. Eur.): passes test

Acidity (USP, JP): passes test

Reducing substances: passes test

Residue on ignition (as SO₄): 0.005 %

Chloride (Cl): 0.007%

Sulfate (SO₄): 0.002%

Oxidizing substances: passes test

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

Total impurities (G.C.): 1.0 %

Glycerol: passes test

Ethylenglycol: 0.10%

Diethyleneglycol: 0.10%

Water (H₂O): 0.1 %

	Heavy metals (as Pb): 0.0005 %
WGK:	1
STORAGE:	Room Temperature.
MASTER NAME:	1,2-Propanediol
SYNONYMS LONG TEXT:	1,2-Propileneglycol
EINECS:	200-338-0
CS:	2905 32 00 00

Methanol (Reag. Ph. Eur.) for HPLC gradient / UHPLC supergradient grade, ACS

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	221091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (5)



CODE

CODE
221091.1612

PACKAGING SIZE

PACKAGING SIZE
2.5 l



CODE
221091.16153

PACKAGING SIZE
4 l



CODE
221091.0515

PACKAGING SIZE
10 l



CODE
221091.0537

PACKAGING SIZE
30 l



CODE
221091.0519

PACKAGING SIZE
200 l

① Technical data

MELTING POINT: -97.8 °C

BOILING POINT: 64 - 65 °C

DENSITY: 0.792 kg/l

REFRACTIVE INDEX: 20/D 1.3292

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 221091

PRODUCT NAME: Methanol (Reag. Ph. Eur.) for HPLC gradient /
UHPLC supergradient grade, ACS

QUALITY NAME: for HPLC gradient / UHPLC supergradient grade,
ACS

SPECIFICATIONS: Minimum assay (G.C.): 99.9%
Identity: IR passes test
Density 20/4: 0.791-0.792
Suitability: for gradient acc. to ACS: passes test

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0002 meq/g

Alkalinity: 0.0002 meq/g

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.0002 %

Reducing substance to KMnO₄: passes test

Darkened substances by H₂SO₄: passes test

Carbonyl compounds (as CH₃COCH₃): 0.001%

Base line drift (235 nm): 15 mUA

Water (H₂O): 0.03 %

Gradient at 235 nm: 2 mUA

Gradient at 254 nm: 1 mUA

Fluorescence at 254 nm (as quinine): 1 ppb
Fluorescence at 365 nm (as quinine): 0.5 ppb
UV Spectrum (1cm cell; Ref.: water):
Transmittance at 205 (Cut off) nm: $\geq 10\%$
Transmittance at 210 nm: $\geq 30\%$
Transmittance at 220 nm: $\geq 60\%$
Transmittance at 230 nm: $\geq 80\%$
Transmittance at 240 nm: $\geq 90\%$
Transmittance at 260-400 nm: $\geq 98\%$
Data of interest in HPLC:
Rohrschneider Polarity: 5.1
Eluotropic value e° (Al₂O₃): 0.95
Sol. H₂O in solv. at 20°C: miscible
Microfiltered product (0.2 μ m) and bottled under nitrogen atmosphere.
Conforms to Methanol R1 and R2 according to Reag. Ph. Eur.

HAZARD PICTOGRAMS



UN:	1230
CLASS/PG:	3(6.1)/II
ADR:	3(6.1)/II
IMDG:	3(6.1)/II
IATA:	3(6.1)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225

P PHRASES:	H331
	H311
	H301
	H370
	P280
	P210
	P233
	P309
	P310
	P302+P352
P501	

MASTER NAME:	Methanol
SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
EINECS:	200-659-6
CS:	2905 11 00 10
INDEX NR.:	603-001-00-X

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 C₃H₈O₃

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



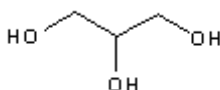
CODE
141339.0716

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

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

MOLAR MASS 46.07 g/mol

Packs sizes (7)



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



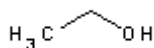
CODE
131086.1315

PACKAGING SIZE
10 l



CODE
131086.0716

PACKAGING SIZE
25 l



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: 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

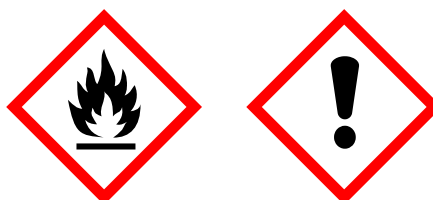
Alkalinity: 0.0002 meq/g
Insoluble matter in H₂O: passes test
Non-volatile matter: 0.0005 %
Reducing substance to KMnO₄: passes test
Darkened substances by H₂SO₄: passes test
Carbonyl compounds (as CH₃CHO): 0.005%
Fusel oil: passes test
Absorbance: passes test
Residual solvents (Ph.Eur/USP): passes test
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 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



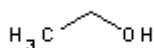
CODE
141085.3619

PACKAGING SIZE
200 l



CODE
141085.9774

PACKAGING SIZE
1000 l



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: 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

2-Phenoxyethanol, 99% for synthesis

Ethyleneglycol mono-Phenyl Ether, mono-Phenylglycol

Minimum assay (G.C.): 99%

CODE	15A631
CAS	122-99-6
MOLECULAR FORMULA	C ₈ H ₁₀ O ₂
MOLAR MASS	138.17 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 15A631.1214	PACKAGING SIZE 5 l
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Product active until stock lasts.

Technical data

MELTING POINT:	11 - 13 °C
BOILING POINT:	245 °C
DENSITY:	1.110 kg/l
SOLUBILITY:	water 24 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.537
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	15A631
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PRODUCT NAME:	2-Phenoxyethanol, 99% for synthesis
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QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (G.C.): 99% Identity: IR passes test Density 20/4: 1.109-1.111 Water (H2O): 0.1 %

HAZARD PICTOGRAMS



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

MASTER NAME:	2-Phenoxyethanol
SYNONYMS LONG TEXT:	Ethyleneglycol mono-Phenyl Ether, mono-Phenylglycol
EINECS:	204-589-7
CS:	2909 49 80 00
INDEX NR.:	603-098-00-9

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

tert-Butanol, tert-Butyl Alcohol, Trimethylcarbinol

Minimum assay (G.C.): 99.5%

CODE 131903

CAS 75-65-0

MOLECULAR FORMULA $(\text{CH}_3)_3\text{COH}$

MOLAR MASS 74.12 g/mol

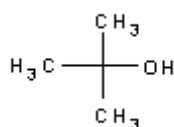
Packs sizes (2)



CODE	PACKAGING SIZE
CODE 131903.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 131903.1214	PACKAGING SIZE 5 l



① Technical data

MELTING POINT: 25.6 °C

BOILING POINT: 82.4 °C

DENSITY: 0.78 kg/l

REFRACTIVE INDEX: 20/D 1.3846

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 131903

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

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity: IR passes test
Range of Distillation (>95% dist.): 81-83°C
Freezing point: >25°C

Maximum limit of impurities

APHA colour: 20

Acidity: 0.001 meq/g

Alkalinity: 0.0005 meq/g

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.003 %

Carbonyl compounds (as HCHO): 0.01%

1-Butanol (G.C.): 0.05%

2-Butanol (G.C.): 0.2%

Isobutanol (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: 0.1

B: 0.02

Ba: 0.1

Be: 0.02

Bi: 0.05

Ca: 0.5

Cd: 0.05

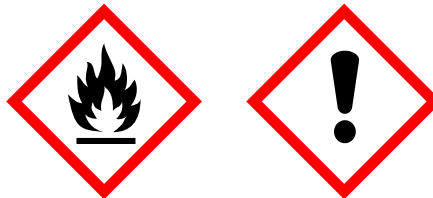
Co: 0.02

Cr: 0.02

Cu: 0.02

Fe: 0.1
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: 0.1
Sb: 0.02
Si: 0.2
Sn: 0.1
Sr: 0.2
Ti: 0.02
Tl: 0.05
V: 0.02
Zn: 0.1
Zr: 0.02

HAZARD PICTOGRAMS



UN:	1120
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger

GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H332 H319 H335
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-Methyl-2-Propanol
SYNONYMS LONG TEXT:	tert-Butanol, tert-Butyl Alcohol, Trimethylcarbinol
EINECS:	200-889-7
CS:	2905 14 10 00
INDEX NR.:	603-005-00-1

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

Hexylene glycol

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

CODE

141348

CAS

107-41-5

MOLECULAR FORMULA

$C_6H_{14}O_2$

MOLAR MASS

118.18 g/mol

Packs sizes (1)



CODE

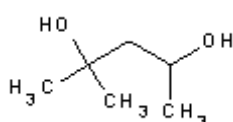
PACKAGING SIZE

CODE

PACKAGING SIZE

141348.0716

25 l



① Technical data

MELTING POINT: -50 °C

BOILING POINT: 196 °C

DENSITY: 0.920 kg/l

REFRACTIVE INDEX: 20/D 1.427

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	141348
PRODUCT NAME:	2-Methyl-2,4-Pentanediol (USP-NF) pure, pharma grade
QUALITY NAME:	pure, pharma grade
SPECIFICATIONS:	Assay (G.C.): 98.0 - 102.0 % Identity according to Pharmacopoeias:: passes test Density 25/25: 0.917-0.923 Refractive Index n 25/D: 1.424-1.430 Maximum limit of impurities Acidity (as CH₃COOH): 0.013% Residual solvents (Ph.Eur/USP): passes test Organic impurities (G.C.): Acetone: 0.1 % 2-Propanol: 0.1 % Diacetone Alcohol: 0.1 % 4-Methyl-2-Pentanone: 0.1 % 4-Methyl-2-Pentanol: 0.1 % Any other unspecified impurity: 0.1 % Total: 1.0 % Water (H₂O): 0.5 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07
H PHRASES:	H319 H315

P PHRASES:	P264 P280 P302+P352 P305+P351+P338 P321 P501 P332+P313 P337+P313 P362
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MASTER NAME:	2-Methyl-2,4-Pentanediol
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SYNONYMS LONG TEXT:	Hexylene glycol
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EINECS:	203-489-0
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CS:	2905 39 95 90
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INDEX NR.:	603-053-00-3
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1-Propanol, 99.5% for synthesis

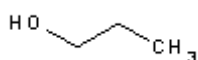
n-Propanol, n-Propyl alcohol

Minimum assay (G.C.): 99.5%

CODE	161885
CAS	71-23-8
MOLECULAR FORMULA	CH ₃ CH ₂ CH ₂ OH
MOLAR MASS	60.10 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 161885.1211	PACKAGING SIZE 1000 ml	Product active until stock lasts.



Technical data

MELTING POINT:	-126.5 °C
BOILING POINT:	97.4 °C
DENSITY:	0.804 kg/l
REFRACTIVE INDEX:	20/D 1.385
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	161885
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PRODUCT NAME:	1-Propanol, 99.5% for synthesis
QUALITY NAME:	for synthesis
SPECIFICATIONS:	Minimum assay (G.C.): 99.5% Identity: IR passes test Density 20/4: 0.803-0.805 Non-volatile matter: 0.001 % Methanol (G.C.): 0.1 % Water (H2O): 0.1 %

HAZARD PICTOGRAMS



UN:	1274
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07
H PHRASES:	H225 H318 H336
P PHRASES:	P210 P233 P240 P241

P242
P243
P261
P271
P280
P303+P361+P353
P304+P340
P305+P351+P338
P310
P312
P370+P378
P403+P233
P403+P235
P405
P501

MASTER NAME:	1-Propanol
SYNONYMS LONG TEXT:	n-Propanol, n-Propyl alcohol
EINECS:	200-746-9
CS:	2905 12 00 00
INDEX NR.:	603-003-00-0

1,4-Butanediol, 99% for synthesis

1,4-Butyleneglycol, 1,4-Dihydroxybutane, Tetramethyleneglycol

Minimum assay (G.C.): 99%

CODE	15A597
CAS	110-63-4
MOLECULAR FORMULA	C ₄ H ₁₀ O ₂
MOLAR MASS	90.12 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 15A597.1212	PACKAGING SIZE 2.5 l

Technical data

MELTING POINT:	20.1 °C
BOILING POINT:	235 °C
DENSITY:	1.015 kg/l
REFRACTIVE INDEX:	20/D 1.446
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	15A597
PRODUCT NAME:	1,4-Butanediol, 99% for synthesis
QUALITY NAME:	for synthesis

SPECIFICATIONS:

Minimum assay (G.C.): 99%
Identity: IR passes test
Density 20/4: 1.015-1.016
Water (H2O): 0.3 %

HAZARD PICTOGRAMS**WGK:**

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Warning

GHS SYMBOLS:

GHS07

H PHRASES:

H302
H336

P PHRASES:

P264
P270
P301+P312
P330
P501

MASTER NAME:

1,4-Butanediol

SYNONYMS LONG TEXT:

1,4-Butyleneglycol, 1,4-Dihydroxybutane,
Tetramethyleneglycol

EINECS:

203-786-5

CS:

2905 39 26 00

2,3-Dimercapto-1-Propanol solution 20 % in ethanol

CODE

A3195

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A3195,0050

PACKAGING SIZE
50 ml

① Technical data

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A3195

PRODUCT NAME: 2,3-Dimercapto-1-Propanol solution 20 % in ethanol

SPECIFICATIONS: **Composition:**
2,3-Dimercapto-1-Propanol: 200 ml/L

HAZARD PICTOGRAMS



UN: 1993

CLASS/PG: 3/II

ADR: 3/II

IMDG:	3/II
IATA:	3/II
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07

H PHRASES:	H225 H302 H315 H317 H319 H335
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P PHRASES:	P210 P280 P303+P361+P353 P305+P351+P338 P405 P501
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CS:	38221900
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2-Propanol for HPLC

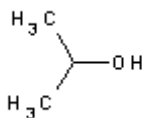
Dimethylcarbinol, IPA, Isopropanol, iso-Propyl Alcohol, sec-Propyl Alcohol

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 *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

PACKAGING SIZE



CODE
A3465,2500

PACKAGING SIZE
2.5 L

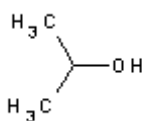
Product active until stock lasts.



CODE
A3465,5000

PACKAGING SIZE
5 L

Product active until stock lasts.



Technical data

REFRACTIVE INDEX:

n₂₀/D 1.377 (abs.)

PHYSICAL DESCRIPTION:

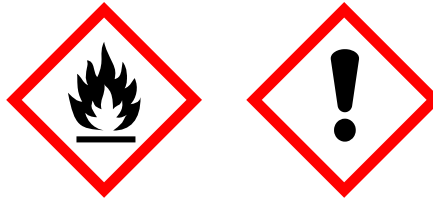
Liquid

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

CS:

29051200

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)

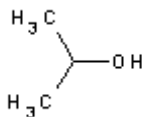


CODE PACKAGING SIZE

CODE 145618.1211 PACKAGING SIZE 1000 ml



CODE 145618.1214 PACKAGING SIZE 5 l



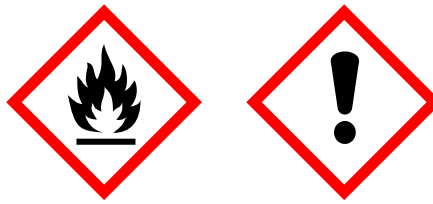
Technical data

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

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)

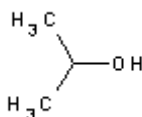


CODE

PACKAGING SIZE

CODE
631090.0716

PACKAGING SIZE
25 l



① Technical data

MELTING POINT: -88.5 °C

BOILING POINT: 82.5 °C

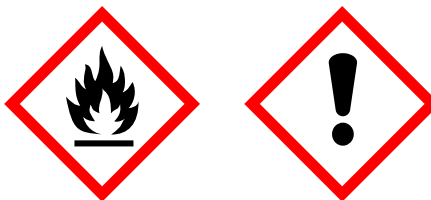
DENSITY: 0.785 kg/l

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 $\leq 0,02$ %: 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

Alcohol-Acetone 7:3 (CE-IVD) for clinical diagnostics

CODE

251803

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

251803.1211

PACKAGING SIZE

1000 ml

Technical data

DENSITY: 0.795 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 251803

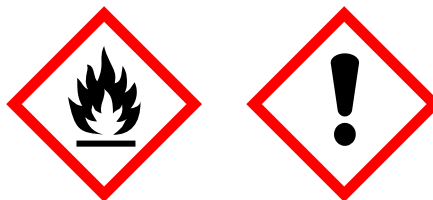
PRODUCT NAME: Alcohol-Acetone 7:3 (CE-IVD) for clinical diagnostics

QUALITY NAME: for clinical diagnostics

HEADLINE COMMENT: Bleach for Gram staining

SPECIFICATIONS: COMPOSITION:
Ethanol absolute: 70 ml
Acetone: 30 ml
Density 25/4: 0.783 - 0.786

HAZARD PICTOGRAMS



UN:	1993
CLASS/PG:	3/II
ADR:	3/II
IMDG:	3/II
IATA:	3/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H225 H319 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:

Alcohol-Acetone 7:3

CS:

2914 11 00 00

2-Propanol 99,7 % for synthesis

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

Assay (G.C.): 99.7%

CODE 211090

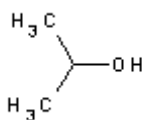
CAS 67-63-0

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



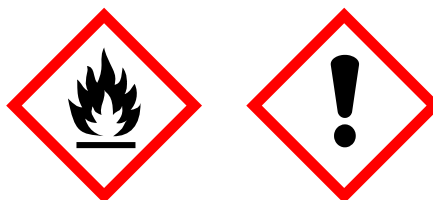
① Technical data

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:	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.

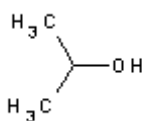


CODE

A3928,2500PE

PACKAGING SIZE

2.5 L



Technical data

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

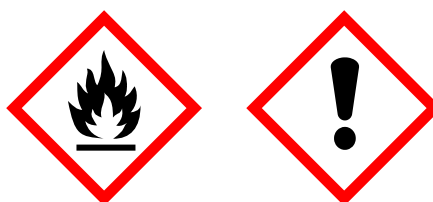
PHYSICAL DESCRIPTION: Liquid

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 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

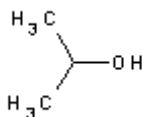
Product discontinued. Alternative
221090.1612 (please check specifications).



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

PRODUCT NAME: 2-Propanol for HPLC gradient / UHPLC
supergradient grade

QUALITY NAME: for HPLC gradient / UHPLC supergradient grade

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: 0.0002 %

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

Elutropic 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, 99.7% for synthesis

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

Minimum assay (G.C.): 99.7%

CODE 161090

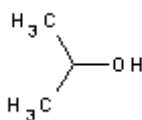
CAS 67-63-0

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

MOLAR MASS 60.10 g/mol

Packs sizes (1)

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

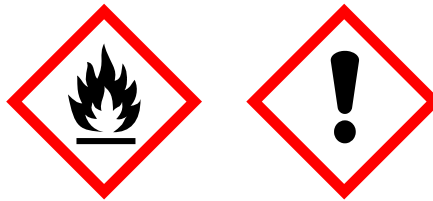


Technical data

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

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

Chloroform : Isoamyl Alcohol 24 : 1

BioChemica

CODE

A1935

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

A1935,0500

PACKAGING SIZE

500 ml

① Technical data

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A1935

PRODUCT NAME:

Chloroform : Isoamyl Alcohol 24 : 1 *BioChemica*

SHORT DESCRIPTION:

additional product description: mixture of
Chloroform : Isoamyl alcohol in the ratio 24 : 1

SPECIFICATIONS:

Composition:

Chloroform: 960 ml/L

Isoamyl alcohol: 40 ml/L

HAZARD PICTOGRAMS



UN:

2810

CLASS/PG:

	6.1/III
ADR:	6.1/III
IMDG:	6.1/III
IATA:	6.1/III
WGK:	3
STORAGE:	RT
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS06 GHS08
H PHRASES:	H302 H315 H319 H331 H351 H361d H372
P PHRASES:	P260 P280 P305+P351+P338 P403+P233 P405 P501
CS:	38221900

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

a -Hydroxytoluene, Benzenemethanol, Phenylcarbinol

Assay (Acidim.): 98.0-100.5 %

CODE 141081

CAS 100-51-6

MOLECULAR FORMULA $C_6H_5CH_2OH$

MOLAR MASS 108.14 g/mol

Packs sizes (4)



CODE	PACKAGING SIZE
141081.1611	1000 ml



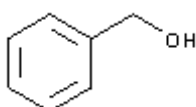
CODE	PACKAGING SIZE
141081.1214	5 l



CODE	PACKAGING SIZE
141081.0816	25 l



CODE	PACKAGING SIZE
141081.0719	200 l



① Technical data

MELTING POINT: -15.2 °C

BOILING POINT: 204.7 °C

DENSITY: 1.046 kg/l

SOLUBILITY: water 40 g/l at 20 °C

REFRACTIVE INDEX: 20/D 1.5396

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141081

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

QUALITY NAME: pure, pharma grade

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

Maximum limit of impurities

Appearance of solution: passes test

Acidity: passes test

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.05 %

Residue on ignition (as SO₄): 0.005 %

Peroxide value: 5

Clarity of solution: passes test

Colour of solution: passes test

Halogenated compounds and halides (as Cl):
0.03%

Related substances (G.C.)

Benzaldehyde (G.C.): 0.15%

Ciclohexylmethanol: 0.10%

Total imp. Tr < Benzyl Alcohol: 0.04%

Total imp. Tr > Benzyl Alcohol: 0.3%

Residual solvents (Ph.Eur/USP): passes test
Water (H₂O): 0.2 %
Product bottled under nitrogen atmosphere.

HAZARD PICTOGRAMS



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

MASTER NAME:	Benzyl Alcohol
SYNONYMS LONG TEXT:	a -Hydroxytoluene, Benzenemethanol, Phenylcarbinol
EINECS:	202-859-9
CS:	2906 21 00 00
INDEX NR.:	603-057-00-5

Benzyl Alcohol for analysis, ACS

a -Hydroxytoluene, Benzenemethanol, Phenylcarbinol

Minimum assay (G.C.): 99.5%

CODE 131081

CAS 100-51-6

MOLECULAR FORMULA $C_6H_5CH_2OH$

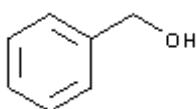
MOLAR MASS 108.14 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 131081.1611 PACKAGING SIZE 1000 ml



① Technical data

MELTING POINT: -15.2 °C

BOILING POINT: 204.7 °C

DENSITY: 1.046 kg/l

SOLUBILITY: water 40 g/l at 20 °C

REFRACTIVE INDEX: 20/D 1.5396

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	131081
PRODUCT NAME:	Benzyl Alcohol for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (G.C.): 99.5% Identity: IR passes test Density 20/4: 1.043-1.049 Maximum limit of impurities APHA colour: 10 Residue on ignition (as SO₄): 0.005 % Acetophenone (G.C.): 0.02% Benzaldehyde (G.C.): 0.01% Water (H₂O): 0.1 % Al: 0.0005 % Ca: 0.00005 % Cd: 0.000005 % Co: 0.000002 % Cr: 0.000002 % Cu: 0.000002 % Fe: 0.00001 % Mg: 0.00001 % Mn: 0.000002 % Ni: 0.000002 % Pb: 0.00001 % Zn: 0.00001 % Product bottled under nitrogen atmosphere.

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Storage between +2 and +8°C .
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07

H PHRASES: H332
H302
H319

P PHRASES: P261
P264
P270
P271
P301+P312
P501
P304+P340
P312
P330

MASTER NAME: Benzyl Alcohol

SYNONYMS LONG TEXT: a -Hydroxytoluene, Benzenemethanol,
Phenylcarbinol

EINECS: 202-859-9

CS: 2906 21 00 00

INDEX NR.: 603-057-00-5

Amyl Alcohol according to NF V 04-210 for analysis

Minimum assay (G.C.) (as 3-Methyl-1-Butanol + 2-Methyl-1-Butanol): 98%

CODE	125715
CAS	71-41-0
MOLECULAR FORMULA	C ₅ H ₁₂ O
MOLAR MASS	88.15 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
125715.1611	1000 ml



① Technical data

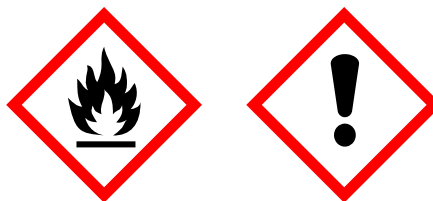
BOILING POINT:	131 - 132 °C
DENSITY:	0.813 kg/l
SOLUBILITY:	Soluble in water.
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE: 125715

PRODUCT NAME: Amyl Alcohol according to NF V 04-210 for

QUALITY NAME:	analysis for analysis
HEADLINE COMMENT:	for determination of fat in milk
SPECIFICATIONS:	Minimum assay (G.C.) (as 3-Methyl-1-Butanol + 2-Methyl-1-Butanol): 98% Assay (as 2-Methyl-1-Butanol) (G.C.): 7-11 % Assay (as 3-Methyl-1-Butanol) (G.C.): 89-93 % Density 20/4: 0.808-0.818 Range of Distillation: 128-132°C Maximum limit of impurities Non-volatile matter: 0.005 % Furfuraldehyde and other organic impurities: passes test Fat: passes test Water (H2O): 0.5 %

HAZARD PICTOGRAMS



UN:	1105
CLASS/PG:	3/III
ADR:	3/III
IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H226

	H332
	H335
	H315
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P501
	P243
	P261
	P271
	P280
	P303+P361+P353
	P304+P340
	P312
	P370+P378
	P403+P233
	P403+P235
	P405

MASTER NAME:	Amyl Alcohol *according to NF V 04-210
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EINECS:	204-633-5
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CS:	2905 19 00 98
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INDEX NR.:	603-006-00-7
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Alcohol-Hydrochloric 8:2 for clinical diagnostics

CODE

251804

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
251804.1210

PACKAGING SIZE
500 ml

① Technical data

DENSITY: 0.890 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 251804

PRODUCT NAME: Alcohol-Hydrochloric 8:2 for clinical diagnostics

QUALITY NAME: for clinical diagnostics

HEADLINE COMMENT: for microscopy, according to Ziehl-Neelsen

SPECIFICATIONS: COMPOSITION:
Ethanol absolute: 80 ml
Hydrochloric Acid 35%: 20 ml
Density 25/4: 0.879 - 0.900

HAZARD PICTOGRAMS



UN:	2924
CLASS/PG:	3(8)/II
ADR:	3(8)/II
IMDG:	3(8)/II
IATA:	3(8)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS05
H PHRASES:	H225 H319 H335 H315 H290
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P261 P264 P271 P280 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P312 P321 P332+P313 P337+P313

P362
P370+P378
P403+P233
P403+P235
P405

MASTER NAME: Alcohol-Hydrochloric 8:2

CS: 2806 10 00 00

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

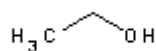
PACKAGING SIZE
1 L

Product active until stock lasts.



CODE
A0913,5000

PACKAGING SIZE
5 L



① Technical data

REFRACTIVE INDEX:

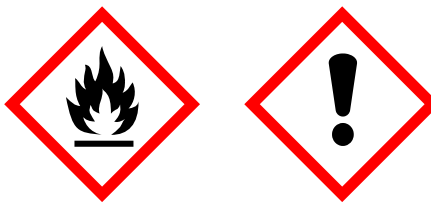
n₂₀/D 1.364

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)

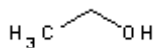


CODE

PACKAGING SIZE

CODE
A2192,5000

PACKAGING SIZE
5 L



① Technical data

REFRACTIVE INDEX: n_{20/D} 1.364

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A2192

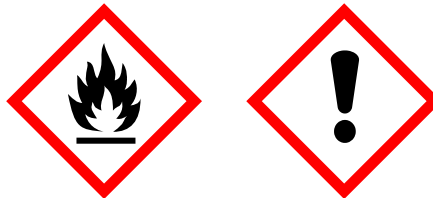
PRODUCT NAME: Ethanol 70 % for analysis

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

Ethanol / Diethyl Ether 1:1 v/v + Phenolphthalein 15 mg/L for acidity determination in olive oil

CODE

281298

Packs sizes (5)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

281298.1611

1000 ml



CODE

PACKAGING SIZE

281298.1612

2,5 l



CODE

PACKAGING SIZE

281298.0314

5 l



CODE

PACKAGING SIZE

281298.0515

10 l



CODE

PACKAGING SIZE

281298.0537

30 l

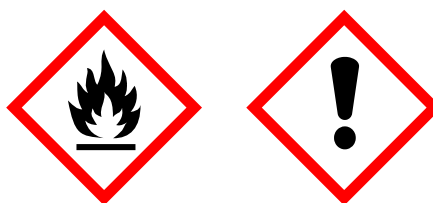
① Technical data

DENSITY: 0.76 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE:	281298
PRODUCT NAME:	Ethanol / Diethyl Ether 1:1 v/v + Phenolphthalein 15 mg/L for acidity determination in olive oil
QUALITY NAME:	for acidity determination in olive oil
SPECIFICATIONS:	COMPOSITION: Phenolphthalein: 1.5 mg Ethyl Ether: 50 ml Ethanol: 50 ml Identity: passes test Density 20/4: 0.755 - 0.765

HAZARD PICTOGRAMS



UN:	1993
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 EUH019
P PHRASES:	P210 P280

P303+P361+P353

P305+P351+P338

P501

P405

MASTER NAME:

Ethanol / Diethyl Ether 1:1 v/v + Phenolphthalein
15mg/L

CS:

3822 90 00 00

Ethanol / Diethyl Ether 1:1 v/v + Phenolphthalein 0,1 % for acidity determination in olive oil

CODE

285483

Packs sizes (3)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

285483.0314

5 l



CODE

PACKAGING SIZE

285483.0515

10 l



CODE

PACKAGING SIZE

285483.0537

30 l

① Technical data

DENSITY: 0.765 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 285483

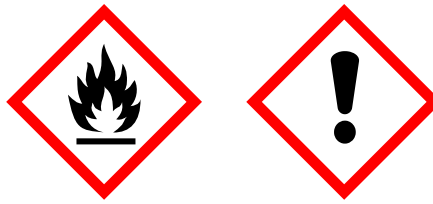
PRODUCT NAME: Ethanol / Diethyl Ether 1:1 v/v + Phenolphthalein
0,1 % for acidity determination in olive oil

QUALITY NAME: for acidity determination in olive oil

SPECIFICATIONS: COMPOSITION:

Phenolphthalein: 100 mg
Diethyl Ether: 50 ml
Ethanol: 50 ml
Identity: passes test
Density 20/4: 0.755 - 0.762

HAZARD PICTOGRAMS



UN:	1993
CLASS/PG:	3/I
ADR:	3/I
IMDG:	3/I
IATA:	3/I
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H224 EUH019 H319 H336
P PHRASES:	P210 P280 P303+P361+P353 P305+P351+P338 P405 P501

MASTER NAME:	Ethanol-Diethyl Ether 1:1+Phenolphthalein
CS:	3822 90 00 00

Ethanol / Diethyl Ether 1:1 v/v + Bromophenol Blue 0,2 % for acidity determination in olive oil

CODE

285482

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
285482.0537

PACKAGING SIZE
30 l

Technical data

DENSITY: 0.765 kg/l

PHYSICAL DESCRIPTION: liquid

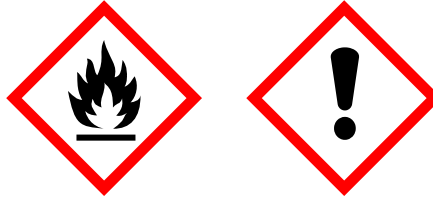
PRODUCT CODE: 285482

PRODUCT NAME: Ethanol / Diethyl Ether 1:1 v/v + Bromophenol Blue
0,2 % for acidity determination in olive oil

QUALITY NAME: for acidity determination in olive oil

SPECIFICATIONS: COMPOSITION:
Bromophenol Blue: 198 mg
Diethyl Ether: 55 ml
Ethanol 96 %: 55 ml
Identity: passes test
Density 20/4: 0.755 - 0.765

HAZARD PICTOGRAMS



UN:	1993
CLASS/PG:	3/I
ADR:	3/I
IMDG:	3/I
IATA:	3/I
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07
H PHRASES:	H224 EUH019 H302 EUH066 H336
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P261 P264 P270 P271 P280 P301+P312 P303+P361+P353 P304+P340 P312

P330
P370+P378
P403+P233
P403+P235
P405

MASTER NAME: Ethanol-Diethyl Ether 1:1+Bromophenol Blue

CS: 3822 90 00 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
A1615,2500GL

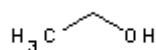
PACKAGING SIZE
2.5 L



CODE
A1615,5000PE

PACKAGING SIZE
5 L

Product active until stock lasts.



Technical data

REFRACTIVE INDEX:

n_{20/D} 1.3611 (abs.)

PHYSICAL DESCRIPTION:

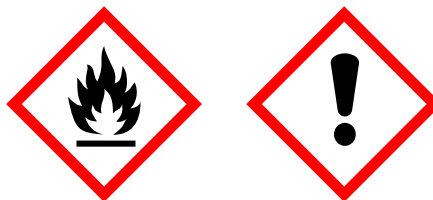
Liquid

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)

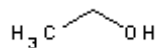


CODE

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

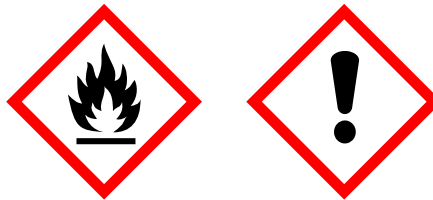
PRODUCT NAME: Ethanol 96 % v/v for analysis

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

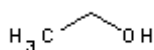
Assay (GC, denaturant not included): min. 96.0 %

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



① 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

HEADLINE COMMENT:

Regulation (EU) 2017/1112 of 22 June 2017

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:

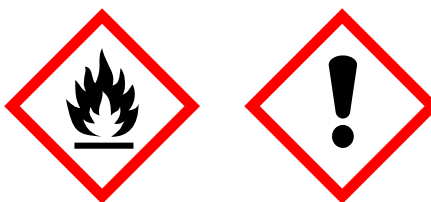
Assay (GC, denaturant not included): min. 96.0 %

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	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

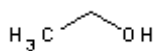
Packs sizes (2)



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

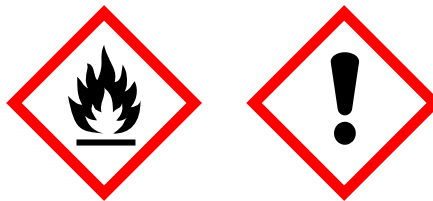
DENSITY: 0.890 kg/l

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 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



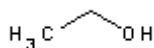
CODE
192695.0716

PACKAGING SIZE
25 l



CODE
192695.0519

PACKAGING SIZE
200 l



① 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 %

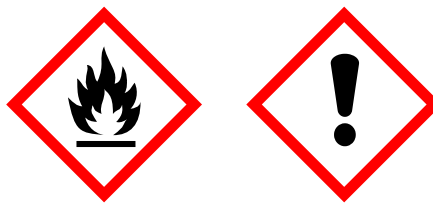
Total other impurities: 0.03 %

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
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SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2208 90 99 90
INDEX NR.:	603-002-00-5

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

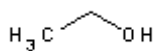
Ethyl Alcohol

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).



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): 0.88Sol. H₂O in solv. at 20°C: miscible

For critical jobs, purge with nitrogen.

Microfiltered product (0.2 μ m) 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

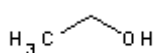
Assay (G.C.) (v/v): 96%

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

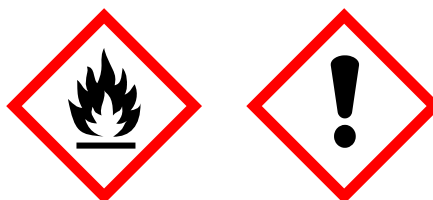


① Technical data

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
SYNONYMS LONG TEXT:	Ethyl Alcohol
EINECS:	200-578-6
CS:	2207 10 00 90
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

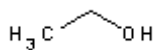
PACKAGING SIZE
10 l

Product active until stock lasts.



CODE
131085.0716

PACKAGING SIZE
25 l



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)

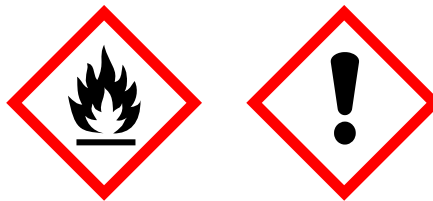
Class 1A (Pt, Pd): 10 ppm
Class 1B (Ir, Rh, Ru, Os): 10 ppm
Class 1C (Mo, Ni, Cr, V): 25 ppm
Class 2 (Cu, Mn): 250 ppm
Class 3 (Fe, Zn): 1,300 ppm

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
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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
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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)

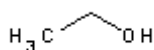


CODE PACKAGING SIZE

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 $\leq$ 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%

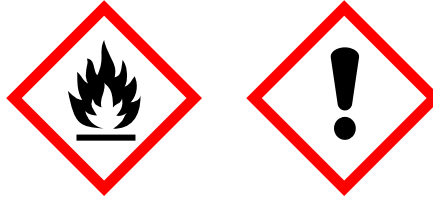
Volatile impurities (G.C.)

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
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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 96% v/v (F.C.C.) food grade

Ethyl Alcohol

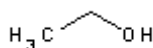
Assay (by volume) (equiv. to 92.3% w/w) , not less than: 94.9%

CODE	201085
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 201085.1214	PACKAGING SIZE 5 l



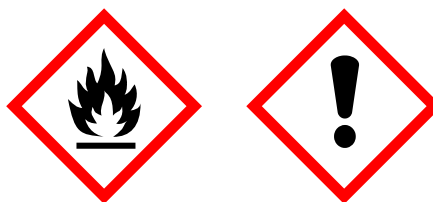
① Technical data

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:	201085
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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

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



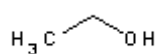
CODE

A1613,5000PE

PACKAGING SIZE

5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX: n₂₀/D 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A1613

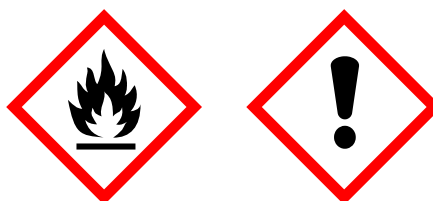
PRODUCT NAME: Ethanol absolute for analysis

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 dry (max. 0.02% water)

Ethyl Alcohol

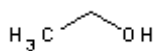
Minimum assay (G.C.) (v/v): 99.8%

CODE	481086
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
481086.1611	1000 ml



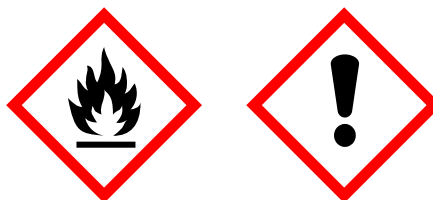
① Technical data

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:	481086
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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 H ₂ O: passes test Non-volatile matter: 0.0005 % Darkened substances by H ₂ SO ₄ : passes test Carbonyl compounds (as CH ₃ CHO): 0.005% Acetone (G.C.): 0.001% 2-Butanol (G.C.): 0.02% Butanone (G.C.): 0.003% Methanol (G.C.): 0.02% Water (H ₂ O): 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 (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).



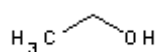
CODE
631086.3619

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 ≤ 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

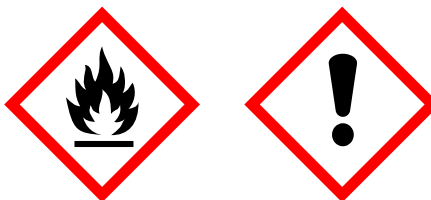
Appearance Colour of solution USP: passes test

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)



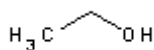
CODE	PACKAGING SIZE
CODE 147194.1214	PACKAGING SIZE 5 L



CODE	PACKAGING SIZE
CODE 147194.1215	PACKAGING SIZE 10 L

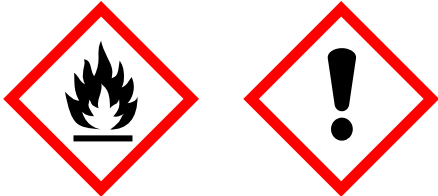


CODE	PACKAGING SIZE
CODE 147194.0716	PACKAGING SIZE 25 L



① Technical data

REFRACTIVE INDEX: n₂₀/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

CS:

22072000

INDEX NR.:

603-002-00-5

Ethanol 96% v/v partially denatured technical grade

Ethyl Alcohol

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

CODE 212800

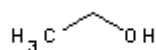
CAS 64-17-5

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	



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

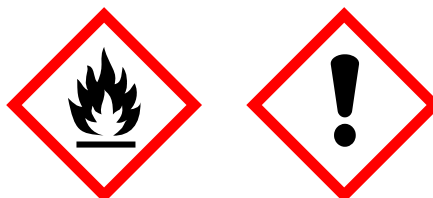
PRODUCT NAME: Ethanol 96% v/v partially denatured technical grade

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
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P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P280 P303+P361+P353 P370+P378 P403+P235 P264 P305+P351+P338 P337+P313
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MASTER NAME:	Ethanol 96% v/v *partially denatured
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SYNONYMS LONG TEXT:	Ethyl Alcohol
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EINECS:	200-578-6
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CS:	2207 20 00 90
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INDEX NR.:	603-002-00-5
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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

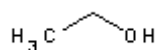


CODE

A8075,2500PE

PACKAGING SIZE

2.5 L



① Technical data

REFRACTIVE INDEX:

n₂₀/D 1.3611 (abs.)

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A8075

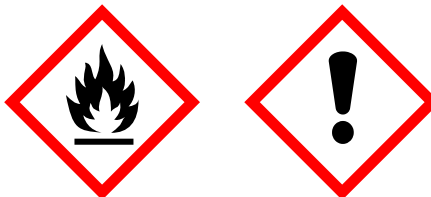
PRODUCT NAME:

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 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

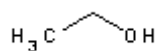


CODE

A3678,2500

PACKAGING SIZE

2.5 L



① Technical data

REFRACTIVE INDEX: n20/D 1.3611 (abs.)

PHYSICAL DESCRIPTION: Liquid

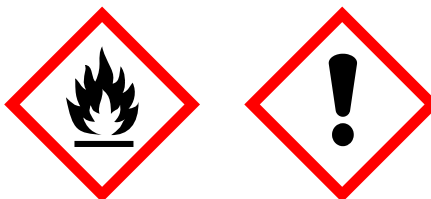
PRODUCT CODE: A3678

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
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CS:	22071000
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INDEX NR.:	603-002-00-5
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Ethanol absolute for HPLC gradient

Ethyl Alcohol

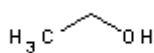
Minimum assay (G.C.) (v/v): 99.9%

CODE	221086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 221086.1612	PACKAGING SIZE 2.5 l



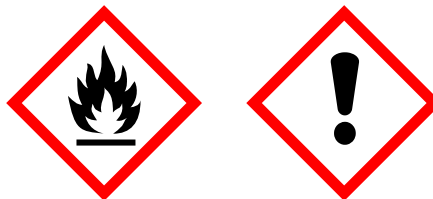
① Technical data

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:	221086
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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: ≥10% Transmittance at 210 nm: ≥35% Transmittance at 225 nm: ≥60% Transmittance at 240 nm: ≥85% Transmittance at 260-400 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

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

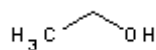
Ethyl Alcohol

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 (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

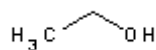
PACKAGING
SIZE
200 l

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

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

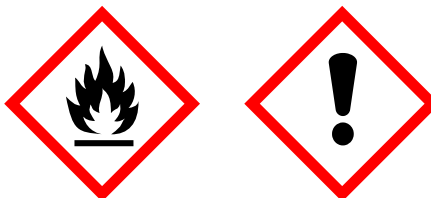
QUALITY NAME: pharma grade

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, 99,5% for synthesis

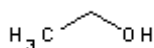
Ethyl Alcohol

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

CODE	161086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ OH
MOLAR MASS	46.07 g/mol

Packs sizes (1)

	CODE	PACKAGING SIZE	
	CODE 161086.0616	PACKAGING SIZE 25 l	Product discontinued. Alternative 141086.0716 (please check specifications).



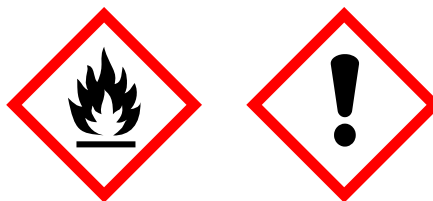
Technical data

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
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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 pure

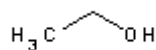
Ethyl Alcohol

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

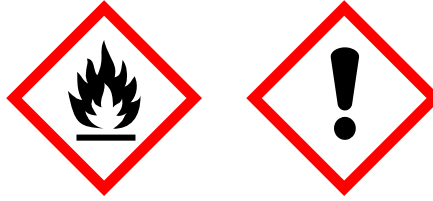
PRODUCT CODE:	141086
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PRODUCT NAME:	Ethanol absolute pure
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QUALITY NAME:	pure
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SPECIFICATIONS:	Assay (G.C.) (v/v): 99.5% Identity: IR passes test 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 %
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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.

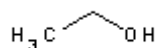


CODE

A4230,2500PE

PACKAGING SIZE

2.5 L



① Technical data

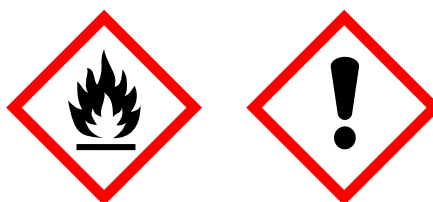
REFRACTIVE INDEX:

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 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).



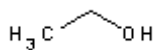
CODE
212801.0716

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

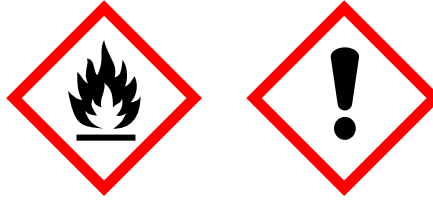
PRODUCT NAME: Ethanol absolute partially denatured technical grade

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
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

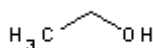
Ethyl Alcohol

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

CODE	361086
CAS	64-17-5
MOLECULAR FORMULA	CH ₃ CH ₂ 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



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

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

Assay (GC): min. 99.5 %

CODE	131339
CAS	56-81-5
MOLECULAR FORMULA	C ₃ H ₈ O ₃
MOLAR MASS	92.10 g/mol

Packs sizes (3)



CODE
131339.1211

PACKAGING SIZE
1000 ml



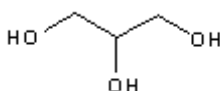
CODE
131339.1212

PACKAGING SIZE
2.5 L



CODE
131339.1214

PACKAGING SIZE
5 L



① Technical data

REFRACTIVE INDEX: n_{20/D} 1.4740

PHYSICAL DESCRIPTION:	Liquid
PRODUCT CODE:	131339
PRODUCT NAME:	Glycerol (Reag. USP) for analysis, ACS, Molecular biology grade, <i>BioChemica</i>
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 H ₂ O: passes test Darkened substances by H ₂ SO ₄ : passes test Residue on ignition (as SO ₄): max. 0.005 % Heavy metals (as Pb): max. 0.0001 % Neutrality: passes test Fatty acid esters (as C ₁₅ H ₂₆ O ₆): max. 0.02 % Acrolein and glucose: passes test Water (H ₂ O): 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 H ₂ O) 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 (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 $C_3H_8O_3$

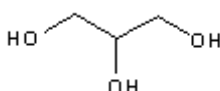
MOLAR MASS 92.10 g/mol

Packs sizes (1)



CODE PACKAGING SIZE

CODE 631339.0716 PACKAGING SIZE 25 l



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

Ethylene Glycol (Reag. USP, Ph. Eur.) for analysis

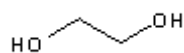
1,2-Dioxyethane, 1,2-Ethanediol, Glycol

Minimum assay (G.C.): 99.5%

CODE	121316
CAS	107-21-1
MOLECULAR FORMULA	CH ₂ OHCH ₂ OH
MOLAR MASS	62.07 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 121316.1211	PACKAGING SIZE 1000 ml
	CODE 121316.1212	PACKAGING SIZE 2.5 l
	CODE 121316.1214	PACKAGING SIZE 5 l
	CODE 121316.0716	PACKAGING SIZE 25 l
	CODE 121316.0719	PACKAGING SIZE 200 l



① Technical data

MELTING POINT:	-12 °C
BOILING POINT:	198 °C
DENSITY:	1.115 kg/l
REFRACTIVE INDEX:	20/D 1.4318
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	121316
PRODUCT NAME:	Ethylene Glycol (Reag. USP, Ph. Eur.) for analysis
QUALITY NAME:	for analysis
SPECIFICATIONS:	Minimum assay (G.C.): 99.5% Identity: IR passes test Density 20/20: 1.113-1.115 Range of Boiling: 194-200 °C

Maximum limit of impurities

APHA colour: 10
Acidity: 0.0005 meq/g
Insoluble matter in H₂O: passes test
Reducing substance to KMnO₄ (as O): 0.0003 %
Darkened substances by H₂SO₄: passes test
Residue on ignition (as SO₄): 0.003 %
Chloride (Cl): 0.0001%
Sulfate (SO₄): 0.0005%
Diethyleneglycol (G.C.): 0.05%
Water (H₂O): 0.1 %
Ca: 0,00005 %
Cd: 0,000005 %
Co: 0,000002 %
Cr: 0,000002 %

Cu: 0,000002 %
Fe: 0,00001 %
Mg: 0,00001 %
Mn: 0,000002 %
Ni: 0,000002 %
Pb: 0,00001 %

HAZARD PICTOGRAMS



WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Warning

GHS SYMBOLS: GHS07

H PHRASES: H302

P PHRASES: P264
P270
P301+P312
P330
P501

MASTER NAME: Ethylene Glycol

SYNONYMS LONG TEXT: 1,2-Dioxyethane, 1,2-Ethanediol, Glycol

EINECS: 203-473-3

CS: 2905 31 00 00

INDEX NR.: 603-027-00-1

Ethylene Glycol pure

1,2-Dioxyethane, 1,2-Ethanediol, Glycol

Assay (G.C.): 99%

CODE

141316

CAS

107-21-1

MOLECULAR FORMULA

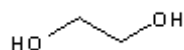
CH₂OHCH₂OH

MOLAR MASS

62.07 g/mol

Packs sizes (4)

	CODE	PACKAGING SIZE	Product active until stock lasts.
	CODE 141316.1211	PACKAGING SIZE 1000 ml	
	CODE 141316.1212	PACKAGING SIZE 2.5 l	
	CODE 141316.1214	PACKAGING SIZE 5 l	
	CODE 141316.0716	PACKAGING SIZE 25 l	



MELTING POINT:	-12 °C
BOILING POINT:	198 °C
DENSITY:	1.115 kg/l
REFRACTIVE INDEX:	20/D 1.4318
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	141316
PRODUCT NAME:	Ethylene Glycol pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (G.C.): 99% Identity: IR passes test Density 20/4: 1.113-1.117 Acidity (as CH ₃ COOH): 0.01% Residue on ignition (as SO ₄): 0.01 % Chloride (Cl): 0.001% Sulfate (SO ₄): 0.01% Diethyleneglycol (G.C.): 0.1% Water (H ₂ O): 0.1 % Cu: 0.00002 % Fe: 0.00005 % Ni: 0.00002 % Pb: 0.00002 %

HAZARD PICTOGRAMS



WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Warning
GHS SYMBOLS:	GHS07

H PHRASES: H302

P PHRASES: P264
P270
P301+P312
P330
P501

MASTER NAME: Ethylene Glycol

SYNONYMS LONG TEXT: 1,2-Dioxyethane, 1,2-Ethenediol, Glycol

EINECS: 203-473-3

CS: 2905 31 00 00

INDEX NR.: 603-027-00-1

Ethylene Glycol mono-Methyl Ether (Reag. USP) for analysis, ACS

2-Methoxy Ethanol, Methyl Cellosolve, Methylglycol

Minimum assay (G.C.): 99.5%

CODE

131897

CAS

109-86-4

MOLECULAR FORMULA

$\text{HOCH}_2\text{CH}_2\text{OCH}_3$

MOLAR MASS

76.10 g/mol

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

131897.1611

1000 ml

Product active until stock lasts.



① Technical data

MELTING POINT:

-85 °C

BOILING POINT:

124.4 °C

DENSITY:

0.966 kg/l

REFRACTIVE INDEX:

20/D 1.4028

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE: 131897

PRODUCT NAME: Ethylene Glycol mono-Methyl Ether (Reag. USP)
for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (G.C.): 99.5%
Identity: IR passes test
Density 20/4: 0.964-0.968

Maximum limit of impurities

APHA colour: 10
Acidity: 0.001 meq/g
Non-volatile matter: 0.005 %
Peroxides (as H₂O₂): 0.0003 %*
Water (H₂O): 0.1 %
Ca: 0.00005 %
Cd: 0.000005 %
Co: 0.000002 %
Cr: 0.000002 %
Cu: 0.000002 %
Fe: 0.00001 %
Mg: 0.00001 %
Mn: 0.000002 %
Ni: 0.000002 %
Pb: 0.00001 %
Zn: 0.00001 %

* At the moment of the batch analysis.

HAZARD PICTOGRAMS



UN: 1188

CLASS/PG: 3/III

ADR: 3/III

IMDG: 3/III

IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS08 GHS02 GHS07
H PHRASES:	H360FD H226 H332 H312 H302
P PHRASES:	P201 P202 P210 P233 P240 P241 P242 P243 P261 P264 P270 P271 P280 P281 P301+P312 P302+P352 P303+P361+P353 P304+P340 P308+P313 P312 P322 P330 P363 P370+P378 P403+P235 P405 P501

MASTER NAME:	Ethylene Glycol mono-Methyl Ether
SYNONYMS LONG TEXT:	2-Methoxy Ethanol, Methyl Cellosolve, Methylglycol
EINECS:	203-713-7
CS:	2909 44 00 00
INDEX NR.:	603-011-00-4

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

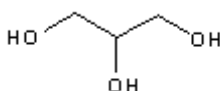
Product active until stock lasts.



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 *BioChemica*

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 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)

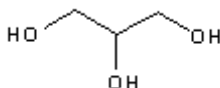


CODE

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

Glycerol 87% for analysis

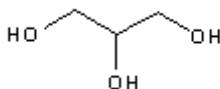
1,2,3,-Propanetriol, Glycerol

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 (C ₃ H ₈ O ₃): 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 % *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

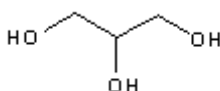
Product active until stock lasts.



CODE
A0970,5000

PACKAGING SIZE
5 L

Product active until stock lasts.



① Technical data

REFRACTIVE INDEX:

n₂₀/D 1.4490 - 1.4550

PHYSICAL DESCRIPTION:

Liquid

PRODUCT CODE:

A0970

PRODUCT NAME:

Glycerol 87 % *BioChemica*

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

STORAGE:

RT

ORIGIN:

from plants (non-animal origin!)

EINECS:

200-289-5

CS:

29054500

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	C ₃ H ₈ O ₃
MOLAR MASS	92.10 g/mol

Packs sizes (3)



CODE

PACKAGING SIZE

CODE
142329.1211

PACKAGING SIZE
1000 ml



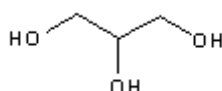
CODE
142329.1214

PACKAGING SIZE
5 l



CODE
142329.0719

PACKAGING SIZE
200 l



① 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 (C ₃ H ₈ O ₃): 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

STORAGE: Room Temperature.

MASTER NAME: Glycerol 87%

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

EINECS: 200-289-5

CS: 2905 45 00 00

Isoamyl Alcohol (Reag. USP, Ph. Eur.) for analysis, ACS

iso-Amyl Alcohol, Isobutylcarbinol, iso-Butylcarbinol, Isopentyl Alcohol, iso-Pentyl Alcohol, 3-Methyl-1-Butanol

Minimum assay (as C₅H₁₂O) (G.C.): 99 %

CODE	131079
CAS	123-51-3
MOLECULAR FORMULA	C ₅ H ₁₁ OH
MOLAR MASS	88.15 g/mol

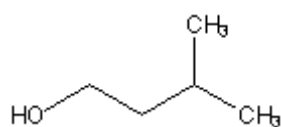
Packs sizes (1)



CODE	PACKAGING SIZE
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CODE 131079.1611	PACKAGING SIZE 1000 ml
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Product active until stock lasts.



① Technical data

MELTING POINT:	-117.2 °C
BOILING POINT:	131 °C
DENSITY:	0.810 kg/l
SOLUBILITY:	water 25 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.4053

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131079

PRODUCT NAME: Isoamyl Alcohol (Reag. USP, Ph. Eur.) for analysis, ACS

QUALITY NAME: for analysis, ACS

SPECIFICATIONS: Minimum assay (as C₅H₁₂O) (G.C.): 99 %
Identity: IR passes test
Density 20/4: 0.809-0.812

Maximum limit of impurities

Acidity: 0.002 meq/g

Non-volatile matter: 0.003 %

Carbonyl compounds (as HCHO): 0.05 %

1-Pentanol (G.C.): 0.5%

Acids and esters (as Pentyl acetate): 0.2%

Water (H₂O): 0.15 %

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: 0.02

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: 0.5
Ni: 0.02
P: 0.2
Pb: 0.01
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:	1105
CLASS/PG:	3/III
ADR:	3/III
IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07
H PHRASES:	H226 H332

	H335
	H315
	H318
P PHRASES:	P210
	P233
	P240
	P241
	P242
	P501
	P243
	P261
	P271
	P280
	P303+P361+P353
	P304+P340
	P312
	P370+P378
	P403+P233
	P403+P235
	P405
	P264
	P305+P351+P338
	P337+P313
	P302+P352
	P332+P313
	P362

MASTER NAME:	Isoamyl Alcohol
SYNONYMS LONG TEXT:	iso-Amyl Alcohol, Isobutylcarbinol, iso-Butylcarbinol, Isopentyl Alcohol, iso-Pentyl Alcohol, 3-Methyl-1-Butanol
EINECS:	204-633-5
CS:	29051900
INDEX NR.:	603-006-00-7

Hydrochloric Acid-Alcohol - Mixture (0.75 % HCl) solution for clinical diagnostics

CODE

257097

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
257097.1211

PACKAGING SIZE
1 L

① Technical data

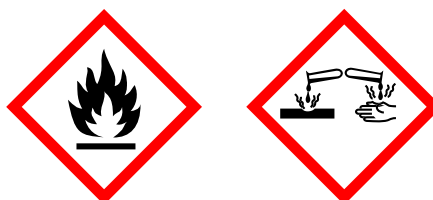
PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: 257097

PRODUCT NAME: Hydrochloric Acid-Alcohol - Mixture (0.75 % HCl) solution for clinical diagnostics

SPECIFICATIONS: Hydrochloric Acid: 0.75 %

HAZARD PICTOGRAMS



UN: 2924

CLASS/PG: 3(8)/II

ADR: 3(8)/II

IMDG: 3(8)/II

IATA: 3(8)/II

WGK: 1

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS05

H PHRASES: H225
H290
H319

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

CS: 38221900

Isoamyl Alcohol according to Gerber for analysis

iso-Amyl Alcohol, Isobutylcarbinol, iso-Butylcarbinol, Isopentyl Alcohol, iso-Pentyl Alcohol, 3-Methyl-1-Butanol

Assay (as C₅H₁₂O) (G.C.): 98.5%

CODE	121079
CAS	123-51-3
MOLECULAR FORMULA	C ₅ H ₁₁ OH
MOLAR MASS	88.15 g/mol

Packs sizes (3)



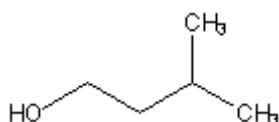
CODE	PACKAGING SIZE
CODE 121079.1211	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
121079.1212	2.5 l



CODE	PACKAGING SIZE
121079.0716	25 l



MELTING POINT: -117.2 °C

BOILING POINT: 131 °C

DENSITY: 0.810 kg/l

SOLUBILITY: water 25 g/l at 20 °C

REFRACTIVE INDEX: 20/D 1.4053

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 121079

PRODUCT NAME: Isoamyl Alcohol according to Gerber for analysis

QUALITY NAME: for analysis

HEADLINE COMMENT: for determination of fat in milk

SPECIFICATIONS: Assay (as C₅H₁₂O) (G.C.): 98.5%
Suitability: for fats determ. acc. to Gerber: passes test

Maximum limit of impurities
Organic impurities: passes test
Water (H₂O): 0.3 %

HAZARD PICTOGRAMS



UN: 1105

CLASS/PG: 3/III

ADR: 3/III

IMDG: 3/III

IATA: 3/III

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS05 GHS07
H PHRASES:	H226 H332 H335 H315 H318
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P261 P271 P280 P303+P361+P353 P304+P340 P312 P370+P378 P403+P233 P403+P235 P405 P264 P305+P351+P338 P337+P313 P302+P352 P332+P313 P362

MASTER NAME:	Isoamyl Alcohol
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SYNONYMS LONG TEXT:	iso-Amyl Alcohol, Isobutylcarbinol, iso-Butylcarbinol, Isopentyl Alcohol, iso-Pentyl
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Alcohol, 3-Methyl-1-Butanol

EINECS: 204-633-5

CS: 29051900

INDEX NR.: 603-006-00-7

Glycerol, 99% for synthesis

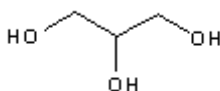
1,2,3-Propanetriol, Glycerol

Assay (G.C.): 99.0%

CODE	151339
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 151339.1211	PACKAGING SIZE 1000 ml	
	CODE 151339.1214	PACKAGING SIZE 5 l	Product active until stock lasts.



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:	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 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

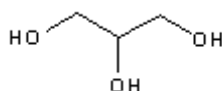
Product active until stock lasts.



CODE
A2926,2500

PACKAGING SIZE
2.5 L

Product active until stock lasts.



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

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	131091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (6)



CODE
131091.1211

PACKAGING SIZE
1000 ml



CODE
131091.1611

PACKAGING SIZE
1000 ml



CODE
131091.1212

PACKAGING SIZE
2.5 l



CODE
131091.1612

PACKAGING SIZE
2.5 l



CODE
131091.1214

PACKAGING SIZE
5 l



CODE
131091.0716

PACKAGING SIZE
25 l

① Technical data

MELTING POINT: -97.8 °C

BOILING POINT: 64 - 65 °C

DENSITY: 0.792 kg/l

REFRACTIVE INDEX: 20/D 1.3292

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 131091

PRODUCT NAME: Methanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO, BioChemica

QUALITY NAME: for analysis, ACS, ISO, BioChemica

SPECIFICATIONS: Minimum assay (G.C.): 99.9%
Identity: IR passes test
Density 20/4: 0.791-0.792

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0002 meq/g

Alkalinity: 0.0002 meq/g

Insoluble matter in H₂O: passes test

Non-volatile matter: 0.0005 %

Reducing substance to KMnO₄ (as O): 0.00025 %

Darkened substances by H₂SO₄: passes test

Carbonyl compounds (as CH₃COCH₃): 0.002%

Acetone (G.C.): 0.001%

2-Propanol (G.C.): 0.005%

Acetaldehyde (CH₃CHO): 0.001%

Ethanol (G.C.): 0.005%

Formaldehyde (HCHO): 0.001%

Water (H₂O): 0.05 %

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

Ag: 0.05

Al: 0.10

As: 0.05

Au: 0.05

B: 0.02

Ba: 0.1

Be: 0.02

Bi: 0.05

Ca: 0.1

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: 0.05

Mn: 0.02

Mo: 0.02

Na: 0.5

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: 0.08

Zr: 0.02

HAZARD PICTOGRAMS



UN:	1230
CLASS/PG:	3(6.1)/II
ADR:	3(6.1)/II
IMDG:	3(6.1)/II
IATA:	3(6.1)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225 H331 H311 H301 H370
P PHRASES:	P280 P210 P233 P309 P310 P302+P352 P501

MASTER NAME:	Methanol
SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
EINECS:	200-659-6

CS: 2905 11 00 10

INDEX NR.: 603-001-00-X

Methanol dry (max. 0.005% water) - Karl Fischer's Reagent (Reag. Ph. Eur.) , ACS, ISO

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.8%

CODE 481091

CAS 67-56-1

MOLECULAR FORMULA CH_3OH

MOLAR MASS 32.04 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 481091.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
CODE 481091.1612	PACKAGING SIZE 2.5 l

① Technical data

MELTING POINT: -97.8 °C

BOILING POINT: 64 - 65 °C

DENSITY: 0.792 kg/l

REFRACTIVE INDEX: 20/D 1.3292

PHYSICAL DESCRIPTION:	liquid
PRODUCT CODE:	481091
PRODUCT NAME:	Methanol dry (max. 0.005% water) - Karl Fischer's Reagent (Reag. Ph. Eur.) , ACS, ISO
QUALITY NAME:	, ACS, ISO
SPECIFICATIONS:	Minimum assay (G.C.): 99.8% Identity: IR passes test Density 20/4: 0.791-0.792 Maximum limit of impurities APHA colour: 10 Acidity: 0.0003 meq/g Alkalinity: 0.0002 meq/g Insoluble matter in H2O: passes test Non-volatile matter: 0.001 % Reducing substance to KMnO4 (as O): 0.00025 % Darkened substances by H2SO4: passes test Carbonyl compounds (as CH3COCH3): 0.005% Acetone (G.C.): 0.001% 2-Propanol (G.C.): 0.01% Acetaldehyde (CH3CHO): 0.001% Ethanol (G.C.): 0.01% Formaldehyde (HCHO): 0.001% Water (H2O): 0.005 % 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: 0.02 Fe: 0.1

Ga: 0.02
Ge: 0.05
Hg: 0.05
In: 0.05
K: 0.1
Li: 0.05
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: 1230

CLASS/PG: 3(6.1)/II

ADR: 3(6.1)/II

IMDG: 3(6.1)/II

IATA: 3(6.1)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS:	GHS02
	GHS06
	GHS08

H PHRASES:	H225
	H331
	H311
	H301
	H370

P PHRASES:	P280
	P210
	P233
	P309
	P310
	P302+P352
	P501

MASTER NAME:	Methanol
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SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
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EINECS:	200-659-6
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CS:	2905 11 00 10
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INDEX NR.:	603-001-00-X
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Methanol *BioChemica*

Assay (GC): min. 99.8 %

CODE

A3493

CAS

67-56-1

MOLECULAR FORMULA

CH₃OH

MOLAR MASS

32.04 g/mol

Packs sizes (2)



CODE

CODE
A3493,1000PE

PACKAGING SIZE

PACKAGING SIZE
1 L

Product active until stock lasts.



CODE
A3493,5000

PACKAGING SIZE
5 L

Product active until stock lasts.

Technical data

REFRACTIVE INDEX: n₂₀/D 1.328

PHYSICAL DESCRIPTION: Liquid

PRODUCT CODE: A3493

PRODUCT NAME: Methanol *BioChemica*

SPECIFICATIONS: Assay (GC): min. 99.8 %
Acidity/Alkalinity: max. 0.0005 meq/g
Non-volatile matter: max. 0.001 %
Heavy metals (as Pb): max. 0.0005 %

2-Propanol: max. 0.005 %

Ethanol: max. 0.01 %

Water (K.F.): max. 0.05 %

HAZARD PICTOGRAMS



UN: 1230

CLASS/PG: 3(6.1)/II

ADR: 3(6.1)/II

IMDG: 3(6.1)/II

IATA: 3(6.1)/II

WGK: 2

STORAGE: RT

SIGNAL WORD: Danger

GHS SYMBOLS:
GHS02
GHS06
GHS08

H PHRASES:
H225
H301+H311+H331
H370

P PHRASES:
P280
P301+P310
P303+P361+P353
P321
P330
P361+P364
P405
P501

EINECS: 200-659-6

CS: 29051100

INDEX NR.: 603-001-00-X

Isobutanol (Reag. USP, Ph. Eur.) for analysis, ACS

2-Methyl-1-Propanol, iso-Butanol, Isobutyl Alcohol, iso-Butyl Alcohol

Minimum assay (G.C.): 99.0%

CODE 131089

CAS 78-83-1

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

MOLAR MASS 74.12 g/mol

Packs sizes (2)



CODE

CODE
131089.1611

PACKAGING
SIZE

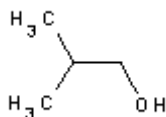
PACKAGING
SIZE
1000 ml



CODE
131089.0716

PACKAGING
SIZE
25 l

Product discontinued. Alternative
141089.0716 (please check specifications).



① Technical data

MELTING POINT: -108 °C

BOILING POINT: 108 °C

DENSITY:	0.802 kg/l
SOLUBILITY:	water 95 g/l at 20 °C
REFRACTIVE INDEX:	20/D 1.3955
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	131089
PRODUCT NAME:	Isobutanol (Reag. USP, Ph. Eur.) for analysis, ACS
QUALITY NAME:	for analysis, ACS
SPECIFICATIONS:	Minimum assay (G.C.): 99.0% Identity: IR passes test Density 20/4: 0.801-0.802 Range of Distillation (>96% dist.): 107-109°C Refractive Index n 15/D: 1.397-1.399

Maximum limit of impurities

APHA colour: 10
 Acidity: 0.0005 meq/g
 Alkalinity: 0.0005 meq/g
 Insoluble matter in H₂O: passes test
 Non-volatile matter: 0.001 %
 Darkened substances by H₂SO₄: passes test
 Peroxides (as H₂O₂): 0.001%
 Butanal (G.C.): 0.01%
 Butanone (G.C.): 0.02%
 Isobutanal (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: 0.5
 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: 0.5
Ni: 0.02
P: 0.2
Pb: 0.1
Pt: 0.02
S: 0.2
Sb: 0.02
Si: 0.2
Sn: 0.5
Sr: 0.2
Ti: 0.02
Tl: 0.02
V: 0.02
Zn: 0.1
Zr: 0.02

HAZARD PICTOGRAMS



UN: 1212

CLASS/PG: 3/III

ADR: 3/III

IMDG: 3/III

IATA: 3/III

WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS05
H PHRASES:	H226 H335 H315 H318 H336
P PHRASES:	P210 P233 P240 P241 P242 P243 P261 P264 P271 P280 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P332+P313 P362 P370+P378 P403+P233 P403+P235 P405 P501

MASTER NAME:	Isobutanol
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SYNONYMS LONG TEXT:	2-Methyl-1-Propanol, iso-Butanol, Isobutyl Alcohol,
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iso-Butyl Alcohol

EINECS:

201-148-0

CS:

2905 14 90 00

INDEX NR.:

603-108-00-1

Isobutanol pure

2-Methyl-1-Propanol, iso-Butanol, Isobutyl Alcohol, iso-Butyl Alcohol

Assay (G.C.): 99%

CODE

141089

CAS

78-83-1

MOLECULAR FORMULA

$(\text{CH}_3)_2\text{CHCH}_2\text{OH}$

MOLAR MASS

74.12 g/mol

Packs sizes (1)



CODE

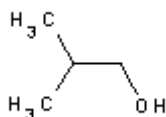
PACKAGING SIZE

CODE

141089.0716

PACKAGING SIZE

25 l



Technical data

MELTING POINT:

-108 °C

BOILING POINT:

108 °C

DENSITY:

0.802 kg/l

SOLUBILITY:

water 95 g/l at 20 °C

REFRACTIVE INDEX:

20/D 1.3955

PHYSICAL DESCRIPTION:

liquid

PRODUCT CODE:	141089
PRODUCT NAME:	Isobutanol pure
QUALITY NAME:	pure
SPECIFICATIONS:	Assay (G.C.): 99% Identity: IR passes test Density 20/4: 0.801-0.802 Acidity: 0.002 meq/g Non-volatile matter: 0.001 % Isobutanol (G.C.): 0.05% Water (H2O): 0.1% Cu: 0.00002 % Fe: 0.00005 % Ni: 0.00002 % Pb: 0.00002 %

HAZARD PICTOGRAMS



UN:	1212
CLASS/PG:	3/III
ADR:	3/III
IMDG:	3/III
IATA:	3/III
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS07 GHS05

H PHRASES:	H226 H335 H315 H318 H336
P PHRASES:	P210 P233 P240 P241 P242 P243 P261 P264 P271 P280 P302+P352 P303+P361+P353 P304+P340 P305+P351+P338 P310 P312 P321 P332+P313 P362 P370+P378 P403+P233 P403+P235 P405 P501

MASTER NAME:	Isobutanol
SYNONYMS LONG TEXT:	2-Methyl-1-Propanol, iso-Butanol, Isobutyl Alcohol, iso-Butyl Alcohol
EINECS:	201-148-0
CS:	2905 14 90 00
INDEX NR.:	603-108-00-1

Methanol for UHPLC Hypergradient

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	721091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 721091.1612	PACKAGING SIZE 2,5 l

Technical data

MELTING POINT:	-97.8 °C
BOILING POINT:	64 - 65 °C
DENSITY:	0.792 kg/l
REFRACTIVE INDEX:	20/D 1.3292
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	721091
PRODUCT NAME:	Methanol for UHPLC Hypergradient
QUALITY NAME:	for UHPLC Hypergradient

SPECIFICATIONS:

Minimum assay (G.C.): 99.9%

Suitability: for PAH analysis: passes test

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0002 meq/g

Alkalinity: 0.0002 meq/g

Non-volatile matter: 0.0001 %

Base line drift (235 nm): 15 mUA

Water (H₂O): 0.02 %

Gradient at 220 nm: 5 mUA

Gradient at 235 nm: 2 mUA

Gradient at 254 nm: 1 mUA

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

Transmittance at 205 (Cut off) nm: $\geq 10\%$

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

Transmittance at 220 nm: $\geq 60\%$

Transmittance at 230 nm: $\geq 80\%$

Transmittance at 260-400 nm: $\geq 98\%$

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

HAZARD PICTOGRAMS

UN: 1230

CLASS/PG: 3(6.1)/II

ADR: 3(6.1)/II

IMDG: 3(6.1)/II

IATA: 3(6.1)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS:	GHS02
	GHS06
	GHS08

H PHRASES:	H225
	H331
	H311
	H301
	H370

P PHRASES:	P280
	P210
	P233
	P309
	P310
	P302+P352
	P501

MASTER NAME:	Methanol
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SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
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EINECS:	200-659-6
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CS:	2905 11 00 10
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INDEX NR.:	603-001-00-X
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Methanol for pesticide analysis

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	321091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
321091.1612	2.5 l

Product active until stock lasts.

Technical data

MELTING POINT:	-97.8 °C
BOILING POINT:	64 - 65 °C
DENSITY:	0.792 kg/l
REFRACTIVE INDEX:	20/D 1.3292
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	321091
PRODUCT NAME:	Methanol for pesticide analysis
QUALITY NAME:	for pesticide analysis

SPECIFICATIONS:

Minimum assay (G.C.): 99.9%

Identity: IR passes test

Density 20/4: 0.791-0.792

Maximum limit of impurities

APHA colour: 10

Acidity: 0.0003 meq/g

Alkalinity: 0.0002 meq/g

Non-volatile matter: 0.0005 %

Water (H₂O): 0.05 %

Signal ECD of pesticide (Lindane a DDT) (as Lindane): 5 ng/l

Signal FID of 2-Octanol to Tetradecanol (as 2-Octanol): passes test

HAZARD PICTOGRAMS

UN:

1230

CLASS/PG:

3(6.1)/II

ADR:

3(6.1)/II

IMDG:

3(6.1)/II

IATA:

3(6.1)/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS02

GHS06

GHS08

H PHRASES:

H225

H331

H311

P PHRASES:	H301
	H370
	P280
	P210
	P233
	P309
	P310
	P302+P352
P501	

MASTER NAME:	Methanol
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SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
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EINECS:	200-659-6
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CS:	2905 11 00 10
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INDEX NR.:	603-001-00-X
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Methanol for LC-MS

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	701091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (2)



CODE	PACKAGING SIZE
CODE 701091.1611	PACKAGING SIZE 1000 ml



CODE	PACKAGING SIZE
701091.1612	2.5 l

① Technical data

MELTING POINT:	-97.8 °C
BOILING POINT:	64 - 65 °C
DENSITY:	0.792 kg/l
REFRACTIVE INDEX:	20/D 1.3292
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	701091
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PRODUCT NAME: Methanol for LC-MS

QUALITY NAME: for LC-MS

SPECIFICATIONS: Minimum assay (G.C.): 99.9%
Identity: IR passes test
Density 20/4: 0.791-0.792
Suitability: for LC-MS: passes test

Maximum limit of impurities

APHA colour: 10
Acidity: 0.0002 meq/g
Alkalinity: 0.0002 meq/g
Non-volatile matter: 0.0002 %
Base line drift (235 nm): 15 mUA
Water (H₂O): 0.02 %
Gradient at 235 nm: 2 mUA
Gradient at 254 nm: 1 mUA
Fluorescence at 254 nm (as quinine): 1 ppb
Fluorescence at 365 nm (as quinine): 0.5 ppb
UV Spectrum (1cm cell; Ref.: water):
Transmittance at 205 (Cut off) nm: ≥10%
Transmittance at 210 nm: ≥30%
Transmittance at 220 nm: ≥60%
Transmittance at 230 nm: ≥80%
Transmittance at 240 nm: ≥90%
Transmittance at 260-400 nm: ≥98%

Metals [in mg/Kg (ppm)]

Ag: 0.05
Al: 0.5
Ba: 0.1
Ca: 0.1
Cd: 0.05
Co: 0.02
Cr: 0.02
Cu: 0.01
Fe: 0.1
K: 0.1
Mg: 0.1
Mn: 0.01
Na: 0.1
Ni: 0.02
Pb: 0.02

Sn: 0.1

Zn: 0.1

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

HAZARD PICTOGRAMS



UN: 1230

CLASS/PG: 3(6.1)/II

ADR: 3(6.1)/II

IMDG: 3(6.1)/II

IATA: 3(6.1)/II

WGK: 1

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS06
GHS08

H PHRASES: H225
H331
H311
H301
H370

P PHRASES: P280
P210
P233
P309
P310
P302+P352
P501

MASTER NAME:	Methanol
SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
EINECS:	200-659-6
CS:	2905 11 00 10
INDEX NR.:	603-001-00-X

Methanol, 99.5% for synthesis

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.5%

CODE	161091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (1)



CODE	PACKAGING SIZE
CODE 161091.0515	PACKAGING SIZE 10 l

Product active until stock lasts.

Technical data

MELTING POINT:	-97.8 °C
BOILING POINT:	64 - 65 °C
DENSITY:	0.792 kg/l
REFRACTIVE INDEX:	20/D 1.3292
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE:	161091
PRODUCT NAME:	Methanol, 99.5% for synthesis
QUALITY NAME:	for synthesis

SPECIFICATIONS:

Minimum assay (G.C.): 99.5%
Identity: IR passes test
Density 20/4: 0.791-0.792
Acidity: 0.002 meq/g
Alkalinity: 0.001 meq/g
Non-volatile matter: 0.002 %
Water (H₂O): 0.1 %

HAZARD PICTOGRAMS**UN:**

1230

CLASS/PG:

3(6.1)/II

ADR:

3(6.1)/II

IMDG:

3(6.1)/II

IATA:

3(6.1)/II

WGK:

1

STORAGE:

Room Temperature.

SIGNAL WORD:

Danger

GHS SYMBOLS:

GHS02
GHS06
GHS08

H PHRASES:

H225
H331
H311
H301
H370

P PHRASES:

P280
P210
P233
P309
P310

P302+P352
P501

MASTER NAME:	Methanol
SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
EINECS:	200-659-6
CS:	2905 11 00 10
INDEX NR.:	603-001-00-X

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

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.5%

CODE	141091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (5)

	CODE	PACKAGING SIZE
	CODE 141091.1211	PACKAGING SIZE 1000 ml
	CODE 141091.1212	PACKAGING SIZE 2.5 l
	CODE 141091.1214	PACKAGING SIZE 5 l
	CODE 141091.0716	PACKAGING SIZE 25 l
	CODE 141091.3619	PACKAGING SIZE 200 l

Technical data

MELTING POINT: -97.8 °C

BOILING POINT: 64 - 65 °C

DENSITY: 0.792 kg/l

REFRACTIVE INDEX: 20/D 1.3292

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 141091

PRODUCT NAME: Methanol (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 20/20: 0.791-0.793
Refractive Index n 20/D: 1.328-1.330

Maximum limit of impurities

ABS λ 230 nm: 0.15 UA

ABS λ 250 nm: 0.05 UA

ABS λ 270 nm: 0.02 UA

ABS λ 290 nm: 0.01 UA

Appearance: passes test

Acidity (as CH₃COOH): 0.003%

Alkalinity (as NH₃): 0.0003 %

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

Clarity and colour: passes test

Related substances (G.C.)

Individual impurity: 0.1 %

Total impurities: 0.3 %

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

Disregard limit: 0.005 %
Acetone (G.C.): 0.002%
Acetone and aldehydes (as CH₃COCH₃): 0.003%
Benzene: 0.0002%
Ethanol (G.C.): 0.1%
Water (H₂O): 0.10 %

HAZARD PICTOGRAMS



UN:	1230
CLASS/PG:	3(6.1)/II
ADR:	3(6.1)/II
IMDG:	3(6.1)/II
IATA:	3(6.1)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225 H331 H311 H301 H370
P PHRASES:	P280 P210 P233 P309 P310 P302+P352 P501

MASTER NAME:	Methanol
SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
EINECS:	200-659-6
CS:	2905 11 00 10
INDEX NR.:	603-001-00-X

Polyethylene Glycol 6000 *BioChemica*

CODE

A1387

CAS

25322-68-3

MOLECULAR FORMULA

$\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
A1387,5000

PACKAGING SIZE
5 kg

Technical data

PHYSICAL DESCRIPTION:

Solid

PRODUCT CODE:

A1387

PRODUCT NAME:

Polyethylene Glycol 6000 *BioChemica*

SPECIFICATIONS:

Average M: 5000 - 7000
Hydroxyl-No.: 16 - 22
pH (5 %; H₂O; 20°C): 4.5 - 7.0
Heavy metals (as Pb): max. 0.005 %
Water: max. 1 %

WGK:

1

STORAGE:

RT

EINECS:

500-038-2

CS:

34042000

Polyethylene Glycol 400 (BP, Ph. Eur.) pure, pharma grade

Carbowax 400, Macrogol 400, PEG 400

CODE

142436

CAS

25322-68-3

MOLECULAR FORMULA

$\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

142436.1611

1000 ml



CODE

PACKAGING SIZE

142436.1214

5 l

① Technical data

MELTING POINT: 4 - 8 °C

DENSITY: 1.127 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 142436

PRODUCT NAME: Polyethylene Glycol 400 (BP, Ph. Eur.) pure,
pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS:

Identity according to Pharmacopoeias:: passes test
pH of 5% solution: 4.5-7.5
Viscosity dynamic at 20°C: 105-130 mPa.s
Viscosity kinematic at 20°C: 94-116 cSt
Average molecular weight: 380-420

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in in H₂O: passes test
Reducing substances: passes test
Residue on ignition (as SO₄): 0.1 %
Hydroxyl value: 264-300
Residual solvents (Ph.Eur.): passes test
1,4-Dioxan (G.C.): 0.001%
Ethylene Glycol and Diethylene Glycol (G.C.): 0.25%
Formaldehyde (CH₂O): 0.0015%
Ethylene Oxide (G.C.): 0.0001%
Water (H₂O): 2 %

WGK: 1

STORAGE: Room Temperature.

MASTER NAME: Polyethylene Glycol 400

SYNONYMS LONG TEXT: Carbowax 400, Macrogol 400, PEG 400

EINECS: 203-473-3

CS: 3907 29 11 90

Mixture 2-Propanol/Ethyl Acetate 89:11

Assay (as 2-Propanol) (G.C.): 87-91 %

CODE

177002

Packs sizes (1)



CODE

PACKAGING SIZE

CODE
177002.0716

PACKAGING SIZE
25 l

Technical data

DENSITY: 0.790 kg/l

SOLUBILITY: Miscible with water

PHYSICAL DESCRIPTION: Clear liquid

PRODUCT CODE: 177002

PRODUCT NAME: Mixture 2-Propanol/Ethyl Acetate 89:11

SPECIFICATIONS: Assay (as 2-Propanol) (G.C.): 87-91 %
Assay (as Ethyl Acetate) (G.C.): 9 - 13%
Density 20/4: 0.784 - 0.795

Maximum limit of impurities

APHA colour: 10

Water (H₂O): 0.07 %

HAZARD PICTOGRAMS



UN:	1993
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 P243 P261 P264 P271 P280 P303+P361+P353 P304+P340 P305+P351+P338 P312 P403+P233 P501

MASTER NAME:	Mixture 2-Propanol / Ethyl Acetate 89:11
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CS:	3822 90 00 00
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Methanol/2-Propanol 4:1 v/v pure

CODE

176400

Packs sizes (1)



CODE

PACKAGING SIZE

CODE

176400.1214

PACKAGING SIZE

5 l

Product active until stock lasts.

① Technical data

DENSITY: 0.789 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 176400

PRODUCT NAME: Methanol/2-Propanol 4:1 v/v pure

QUALITY NAME: pure

SPECIFICATIONS: COMPOSITION:
Methanol: 800 ml
2-Propanol: 200 ml
Density 20/4: 0.785 - 0.795

HAZARD PICTOGRAMS



UN: 1992

CLASS/PG:

	3(6.1)/II
ADR:	3(6.1)/II
IMDG:	3(6.1)/II
IATA:	3(6.1)/II
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225 H331 H311 H301 H370 H319
P PHRASES:	P210 P233 P240 P241 P242 P501 P243 P260 P261 P264 P270 P271 P280 P301+P310 P302+P352 P303+P361+P353 P304+P340 P307+P311 P311 P312 P321 P322

P330
P361
P363
P370+P378
P403+P233
P403+P235
P405

MASTER NAME: Mixture Methanol/2-Propanol 4:1

CS: 3822 00 00 00

Methanol for UV, IR, HPLC, ACS

Carbinol, Methyl Alcohol

Minimum assay (G.C.): 99.9%

CODE	361091
CAS	67-56-1
MOLECULAR FORMULA	CH ₃ OH
MOLAR MASS	32.04 g/mol

Packs sizes (2)

	CODE	PACKAGING SIZE	
	CODE 361091.1612	PACKAGING SIZE 2.5 l	
	CODE 361091.0537	PACKAGING SIZE 30 l	Product discontinued. Please check CAS-No. for alternative or contact our Customer Service.

① Technical data

MELTING POINT:	-97.8 °C
BOILING POINT:	64 - 65 °C
DENSITY:	0.792 kg/l
REFRACTIVE INDEX:	20/D 1.3292
PHYSICAL DESCRIPTION:	liquid

PRODUCT CODE: 361091

PRODUCT NAME: Methanol for UV, IR, HPLC, ACS

QUALITY NAME: for UV, IR, HPLC, ACS

SPECIFICATIONS: Minimum assay (G.C.): 99.9%
Density 20/4: 0.791-0.792

Maximum limit of impurities

APHA colour: 10
Acidity: 0.0002 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 acetone, as formaldehyde and as acetaldehyde): 0.001%
Suitability for gradient according to ACS: passes test
Water (H₂O): 0.03 %
Suitability for IR spectrometry:: passes test
Fluorescence at 254 nm (as quinine): 1 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: ≥30%
Transmittance at 220 nm: ≥55%
Transmittance at 230 nm: ≥75%
Transmittance at 240 nm: ≥90%
Transmittance at 260-400 nm: ≥98%
Data of interest in HPLC:
Rohrschneider Polarity: 5.1
Eluotropic value e° (Al₂O₃): 0.95
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:	1230
CLASS/PG:	3(6.1)/II
ADR:	3(6.1)/II
IMDG:	3(6.1)/II
IATA:	3(6.1)/II
WGK:	1
STORAGE:	Room Temperature.
SIGNAL WORD:	Danger
GHS SYMBOLS:	GHS02 GHS06 GHS08
H PHRASES:	H225 H331 H311 H301 H370
P PHRASES:	P280 P210 P233 P309 P310 P302+P352 P501

MASTER NAME:	Methanol
SYNONYMS LONG TEXT:	Carbinol, Methyl Alcohol
EINECS:	200-659-6

CS: 2905 11 00 10

INDEX NR.: 603-001-00-X

Toluene / 2-Propanol / Water 100:99:1 v/v/v (Mixture TAN) (ASTM D 664) for analysis

CODE

124860

Packs sizes (2)



CODE

PACKAGING SIZE

CODE

PACKAGING SIZE

124860.1612

2.5 l



CODE

PACKAGING SIZE

124860.2714

5 l

① Technical data

DENSITY: 0.822 kg/l

PHYSICAL DESCRIPTION: liquid

PRODUCT CODE: 124860

PRODUCT NAME: Toluene / 2-Propanol / Water 100:99:1 v/v/v (Mixture TAN) (ASTM D 664) for analysis

QUALITY NAME: for analysis

SPECIFICATIONS: COMPOSITION:
Toluene: 500 ml
2-Propanol: 495 ml
Water: 5 ml
Density 20/4: 0.820 - 0.830

Maximum limit of impurities

Acidity value: 0.005

HAZARD PICTOGRAMS



UN: 1993

CLASS/PG: 3/II

ADR: 3/II

IMDG: 3/II

IATA: 3/II

STORAGE: Room Temperature.

SIGNAL WORD: Danger

GHS SYMBOLS: GHS02
GHS07
GHS08

H PHRASES: H225
H302
H319
H315
H361d
H336
H373
H304

P PHRASES: P280
P301+P310
P321
P303+P361+P353
P305+P351+P338
P501
P330
P362+P364

P405

MASTER NAME:

Toluene / 2-Propanol / Water 100:99:1 v/v/v
(Mixture TAN)

CS:

3822 90 00 00

Polyethylene Glycol 8000 (USP-NF, BP, Ph. Eur.) pure, pharma grade

Carbowax 8000, Macrogol 8000, PEG 8000

CODE

146224

CAS

25322-68-3

MOLECULAR FORMULA

$\text{HO}(\text{C}_2\text{H}_4\text{O})_n\text{H}$

Packs sizes (1)



CODE

CODE
146224.0416

PACKAGING
SIZE

PACKAGING
SIZE
25 kg

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

① Technical data

MELTING POINT: 55 °C

PHYSICAL DESCRIPTION: solid

PRODUCT CODE: 146224

PRODUCT NAME: Polyethylene Glycol 8000 (USP-NF, BP, Ph. Eur.)
pure, pharma grade

QUALITY NAME: pure, pharma grade

SPECIFICATIONS: Identity according to Pharmacopoeias:: passes
test
pH of 5% solution: 4.5-7.5
Freezing point: 55-62°C
Viscosity at 99°C: 470-900 cSt

Viscosity of 50% w/w sol. kinematic 20°C:
240-472 cSt
Viscosity of 50% w/w sol. dynamic 20°C: 260-510
mPa.s
Average molecular weight: 7000-9000

Maximum limit of impurities

Appearance of solution: passes test
Acidity or alkalinity: passes test
Insoluble matter in in H2O: passes test
Reducing substances: passes test
Residue on ignition (as SO4): 0.1 %
Hydroxyl value: 12-16
Residual solvents (Ph.Eur/USP): passes test
1,4-Dioxan (G.C.): 0.001%
Formaldehyde (CH2O): 0.0015%
Ethylene Oxide (G.C.): 0.0001%
Water (H2O): 1 %
Heavy metals (as Pb): 0.0005%
As: 0.0003 %

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

STORAGE:	Room Temperature.
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MASTER NAME:	Polyethylene Glycol 8000
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SYNONYMS LONG TEXT:	Carbowax 8000, Macrogol 8000, PEG 8000
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EINECS:	203-473-3
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CS:	3907 20 11 90
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