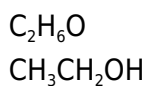




PRODUCT CODE: 192695

Ethanol 70% v/v (BP) pharma grade



M.= 46,07

CAS [64-17-5]

EINECS 200-578-6

TARIC 2208 90 99 90

SYNONYMS: Ethyl Alcohol

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water and most of the solvents • D 0,890 • Flash P.:24 °C •

BIBLIOGRAPHY: Merck Index **12**, 3.806 13, 3.795 BP.**2018** • F.C.C **10 11** • Directive 97/60/EC (27/10/1997) 2009/32/EC (23/04/2009) • Royal Decree 472/1990 (6/4/1990) , 2667/1998 (11 /12/1998) •

HAZARDOUS: C.E: 603-002-00-5 • RTECS: KQ 6300000 • LD L0 oral hmn 1.400 mg/kg • LD50 oral rat 7.060 mg/kg • LC L0 inh gpg 21900 ppm • LC50 inh rat 20000 ppm / 10h • VLA-ED 1.000 ppm1.910 mg/m3



H: H225 • H319 •

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

TRANSPORT REGULATIONS: UN: 1170 • ADR: 3/III • IMDG: 3/III • IATA: 3/III • PAX: 355 • CAO: 366 • (D/E) •

WEIGHT/VOLUME INFORMATION: 1l~0,890 kg 1kg~1,124 l

OBSERVATIONS: May be subject to special tax. •

SPECIFICATIONS:

Assay (v/v)	69,5-70,4 %
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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 %

Elemental impurities (ICH Q3D):

Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm

Microfiltered product (0.22 µm)

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

Ed.: 12 . Vig.: 25.05.2018 .

Prod.: 192695