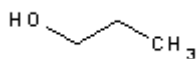
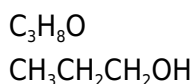


**PRODUCT CODE: 141885****1-Propanol (BP, Ph. Eur.) pure, pharma grade**

M.= 60,10

CAS [71-23-8]

EINECS 200-746-9

TARIC 2905 12 00 00

FEMA 2928

SYNONYMS: n-Propanol, n-Propyl alcohol

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water, alcohol, ether and trichloromethane. • D 20/4 0,8035 • M.P.: -126,5 °C • B.P.: 97,4 °C • n_{20/D} : 1,385 • Flash P.:15 °C • Ign. T.:405 °C • Vap. press. (20 °C) 18,7 hPa • Viscosity 20 °C 2,75 mPa.s • D. M. 20 °C 1,7 Debye • Dielec. constant 25 °C 20,1 • Evap. number (DIN 53170) 17 • Heat evap. 97 °C 681 KJ/Kg • Satur. conc. 20 °C 46 g/m³ • Expl. limit 2,1 %(V) 13,5 %(V) •

BIBLIOGRAPHY: Merck Index **13**, 7.934 Sax **PND000** • Safety **2**, **2951 D** • Kühn-Birett **P** 36 • Ullmann (**4.**)19 , 443 • Beilstein **1**, **350 I**, **175 II**, **360 III**, **1397 IV**, **1413** • BRN 1098242 • ACS **XI** • BP.**2018** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **11** • Directive 2009/32/CE •

HAZARDOUS: C.E: 603-003-00-0 • RTECS: UH 8225000 • LD L0 oral wmn 5.700 mg/kg • LD50 oral rat 1.870 mg/kg • LC50 mus 48000mg/m³ • LD50 skn rbt 5.040 mg/kg • VLA-EC 250 ppm 625 mg/m³ VLA-ED 200 ppm 500 mg/m³



H: H225 • H318 • H336 •

P: 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 •

TRANSPORT REGULATIONS: UN: 1274 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,804 kg 1kg~1,244 l

SPECIFICATIONS:

Assay (G.C.)	99,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

ABS	
at λ 230 nm	0,3 UA
at λ 250 nm	0,1 UA
at λ 270 nm	0,03 UA
at λ 290 nm	0,02 UA
at λ 310 nm	0,01 UA
Appearance	passes test
Acidity or alkalinity	passes test
Non-volatile matter	0,004 %
Reducing substances	passes test
Related substances (G.C.)	
Individual	0,1%
Total	0,3%
Residual solvents (Ph.Eur.)	passes test
Water (H ₂ O)	0,2 %

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

Ed.: 7 . Vig.: 24.07.2017 .

Prod.: 141885