

1-PROPANOL



- Synonyms: n-Propyl alcohol, Ethylcarbinol, 1-Hydroxypropane, n-Propanol
- C₃H₈O
- M = 60,10 g/mol
- CAS [71-23-8]
- EINECS-No.: 200-746-9
- Density: 0,80 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -127 °C
- Boiling point: 96,5 - 98 °C
- Flash pt. 15 °C
- Ignition temp.: 405 °C
- Vapour pressure: (20 °C) 19 hPa

- Dielectric const.: (25 °C) 20,1
- LD 50 (oral, rat): 1870 mg/kg
- EC-Index-No.: 603-003-00-0
- ADR: 3 F1 II UN 1274
- IMDG: 3 II UN 1274
- IATA/ICAO: 3 II UN 1274
- GHS-signal word: Danger
- GHS-H sentences: H225 - H318 - H336
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2905 12 00 00
- Applications: analytical chemistry, solvents.

AL0436 1-Propanol, extra pure, Phampur®, Ph Eur



identificationpasses test
appearancepasses test
acidity or alkalinitypasses test
reducing substancespasses test
related substancespasses test
max. absorbance in a 1,0 cm cell at
230 nm 0,300 AU
250 nm 0,100 AU
270 nm 0,030 AU

290 nm 0,020 AU
310 nm 0,010 AU
residue on evaporationmax. 0,001 %
water (K.F.)max. 0,2 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AL04361000	1 l	Ø
AL04362500	2,5 l	Ø
AL0436005P	5 l	Ø
AL0436025A	25 l	Ø

AL0437 1-Propanol, ExpertQ®, for analysis



assay (G.C.) min. 99,5 %
identity (IR-spectrum)passes test
density (20°/4°) 0,803 - 0,805
appearance clear
colour (Hazen) max. 10
solubility in waterpasses test
acidity max. 0,0004 meq/g
alkalinity max. 0,0002 meq/g
aluminium (Al) max. 0,5 ppm
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,02 ppm
cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm

iron (Fe)max. 0,1 ppm
lead (Pb)max. 0,1 ppm
magnesium (Mg)max. 0,1 ppm
manganese (Mn)max. 0,02 ppm
nickel (Ni)max. 0,02 ppm
tin (Sn)max. 0,1 ppm
zinc (Zn)max. 0,1 ppm
acetone (G.C.) max. 0,01 %
ethanol (G.C.) max. 0,01 %
methanol (G.C.) max. 0,01 %
2-propanol (G.C.) max. 0,05 %
aldehydes and ketones (as C₂H₅CHO) max. 0,03 %
substances darkened by H₂SO₄passes test
residue on evaporationmax. 0,0005 %
water (K.F.)max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AL04371000	1 l	Ø
AL04372500	2,5 l	Ø
AL0437005P	5 l	Ø

AL0438 1-Propanol, HPLC grade



assay (G.C.) min. 99,9 %
identity (IR-spectrum)passes test
density (20°/4°) 0,803 - 0,805
acidity max. 0,0002 meq/g
alkalinity max. 0,0002 meq/g
residue on evaporationmax. 0,0002 %
water (K.F.)max. 0,05 %

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength T(%) A (AU)
220 nm50 % 0,301 AU
250 nm90 % 0,046 AU
Microfiltered through membranes of pore diameter
0,22 µm

ART. NO.	VOLUME	CONTAINER
AL04381000	1 l	Ø
AL04382500	2,5 l	Ø

AL0439 1-Propanol, standard substance for GC



assay99,8%
over ramp ... 40°C, 5°C/min 120°C, 30°C/min 200 °C
identity IR

ART. NO.	VOLUME	CONTAINER
AL04390005	5 ml	Ø