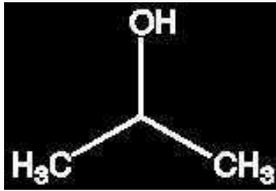


2-PROPANOL



- Synonyms: Isopropyl alcohol, Isopropanol, iso-Propanol, Dimethylcarbinol, 2-Hydroxypropane
- C_3H_8O
- $M = 60,10 \text{ g/mol}$
- CAS [67-63-0]
- EINECS-No.: 200-661-7
- Density: $0,78 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Melting point: $-89,5 \text{ °C}$
- Boiling point: $82,4 \text{ °C}$
- Flash pt. 12 °C
- Ignition temp.: 425 °C
- Vapour pressure: (20 °C) 43 hPa

- Dielectric const.: (25 °C) $18,3$
- LD 50 (oral, rat): 5045 mg/kg
- EC-Index-No.: 603-117-00-0
- ADR: 3 F1 II UN 1219
- IMDG: 3 II UN 1219
- IATA/ICAO: 3 II UN 1219
- GHS-signal word: Danger
- GHS-H sentences: H225 - H319 - H336
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 - P338 - P405 - P501a
- Tariff number: 2905 12 00 00
- Applications: solvents, in antifreeze compositions, cosmetics.

AL0310 2-Propanol, EssentQ®



assay (G.C.) min. 99,5 %
 identity (IR-spectrum) passes test
 density (20°/20°) 0,784 - 0,786
 residue on evaporation max. 0,005 %
 water (K.F.) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AL03101000	1 l	Ⓔ
AL03102500	2,5 l	Ⓔ
AL0310005P	5 l	Ⓔ
AL0310007E	7 l	Ⓔ

ART. NO.	VOLUME	CONTAINER
AL0310025P	25 l	Ⓔ
AL0310025S	25 l	Ⓔ
AL0310200L	200 l	Ⓔ

AL0311 2-Propanol, extra pure, Phampur®, Ph Eur, BP, USP



assay (G.C.) min. 99,0 %
 identification passes test
 density (25°/25°) 0,783 - 0,787
 appearance clear and colourless
 refractive index $n_{20/D}$ 1,376 - 1,378
 acidity or alkalinity passes test
 acidity passes test
 peroxides passes test
 max. absorbance in a 1,0 cm cell at
 wavelength A (AU)
 230 nm 0,30 AU
 250 nm 0,10 AU

270 nm 0,03 AU
 290 nm 0,02 AU
 310 nm 0,01 AU
 benzene and related substances passes test
 volatile impurities passes test
 residue on evaporation max. 20 ppm
 water (K.F.) max. 0,5 %
 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
AL03111000	1 l	Ⓔ
AL03112500	2,5 l	Ⓔ
AL0311005P	5 l	Ⓔ
AL0311025A	25 l	Ⓔ
AL0311025P	25 l	Ⓔ
AL0311200L	200 l	Ⓔ

AL0312 2-Propanol, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (G.C.) min. 99,8 %
 identity (IR-spectrum) passes test
 appearance clear
 density (20°/4°) 0,784 - 0,786
 density (20°/20°) 0,785 - 0,789
 boiling point 81- 83 °C
 colour (Hazen) max. 10
 solubility in water passes test
 acidity max. 0,0001 meq/g
 alkalinity max. 0,0001 meq/g
 chlorides (Cl) max. 0,00003 %
 nitrates (NO₃) max. 0,00003 %
 phosphates (as PO₄) max. 0,00005 %
 sulfates (SO₄) max. 0,0001 %
 aluminium (Al) max. 0,5 ppm
 antimony (Sb) max. 0,02 ppm
 arsenic (As) max. 0,02 ppm
 barium (Ba) max. 0,1 ppm
 beryllium (Be) max. 0,02 ppm
 bismuth (Bi) 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
 gallium (Ga) max. 0,02 ppm

gold (Au) max. 0,02 ppm
 indium (In) max. 0,02 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,1 ppm
 lithium (Li) max. 0,05 ppm
 magnesium (Mg) max. 0,1 ppm
 manganese (Mn) max. 0,02 ppm
 molybdenum (Mo) max. 0,02 ppm
 nickel (Ni) max. 0,02 ppm
 platinum (Pt) max. 0,02 ppm
 silver (Ag) max. 0,02 ppm
 tin (Sn) max. 0,1 ppm
 thallium (Tl) max. 0,02 ppm
 titanium (Ti) max. 0,02 ppm
 vanadium (V) max. 0,02 ppm
 zinc (Zn) max. 0,1 ppm
 zirconium (Zr) max. 0,02 ppm
 acetone (G.C.) max. 0,002 %
 ethanol (G.C.) max. 0,01 %
 isopropylether (G.C.) max. 0,01 %
 methanol (G.C.) max. 0,01 %
 n-propanol (G.C.) max. 0,1 %
 propionaldehyde max. 0,002 %
 substances reducing KMnO₄ passes test
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,001 %
 water (K.F.) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AL03121000	1 l	Ⓔ
AL03122500	2,5 l	Ⓔ
AL0312005P	5 l	Ⓔ
AL0312007E	7 l	Ⓔ
AL0312010C	10 l	Ⓔ
AL0312025P	25 l	Ⓔ
AL0312025S	25 l	Ⓔ
AL0312025B	25 l	Ⓔ
AL0312030S	30 l	Ⓔ
AL0312200L	200 l	Ⓔ