

## ME0376 Isoamyl alcohol, ExpertQ®, for analysis, ACS

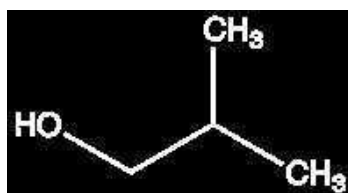


assay (G.C.) ..... min. 98,5 %  
 identity (IR-spectrum) ..... passes test  
 density (20°/4°) ..... 0,808 - 0,809  
 appearance ..... clear  
 colour (Hazen) ..... max. 10  
 acidity ..... max. 0,002 meq/g  
 aluminium (Al) ..... max. 0,5 ppm  
 barium (Ba) ..... max. 0,1 ppm  
 boron (B) ..... max. 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  
 acids, esters (as pentylacetate) ..... max. 0,06 %  
 carbonyl compounds (as CO) ..... max. 0,005 %  
 furfural ..... max. 0,0001 %  
 2,2- dimethyl-1- propanol (G.C.) ..... max. 0,2 %  
 2- methyl-1- butanol (G.C.) ..... max. 1 %  
 1-pentanal (G.C.) ..... max. 0,5 %  
 1-pentanol (G.C.) ..... max. 0,5 %  
 substances darkened by H<sub>2</sub>SO<sub>4</sub> ..... passes test  
 residue on evaporation ..... max. 0,002 %  
 water (K.F.) ..... max. 0,2 %

ART. NO.	VOLUME	CONTAINER
ME03761000	1 l	0
ME03762500	2,5 l	0
ME0376005P	5 l	0

## ISOBUTANOL



- Synonyms: 2-Methyl-1-propanol, Isobutyl alcohol, Isopropylcarbinol, iso-Butanol
- C<sub>4</sub>H<sub>10</sub>O
- M = 74,12 g/mol
- CAS [78-83-1]
- EINECS-No.: 201-148-0
- Density: 0,8 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 80 g/l
- Melting point: -108 °C
- Boiling point: 108 °C
- Flash pt. 28 °C
- Ignition temp.: 430 °C
- Vapour pressure: (20 °C) 12 hPa
- Refraction index: (n 20 °C/D) 1,3955
- Dielectric const.: (20 °C) 17,7

- LD 50 (oral, rat): 2460 mg/kg
- EC-Index-No.: 603-108-00-1
- ADR: 3 F1 III UN 1212
- IMDG: 3 III UN 1212
- IATA/ICAO: 3 III UN 1212
- GHS-signal word: Danger
- GHS-H sentences: H318 - H226 - H335 - H336 - H315
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2905 14 90 00
- Applications: synthesis of organic products, perfumery, solvents (painting), analytical chemistry, laboratory reagent.
- Appearance: Colourless clear liquid

## AL0293 Isobutanol, EssentQ®



assay (G.C.) ..... min. 99 %  
 identity (IR-spectrum) ..... passes test  
 density (20°/4°) ..... 0,801 - 0,802  
 residue on evaporation ..... max. 0,005 %  
 water (K.F.) ..... max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AL02931000	1 l	0
AL02932500	2,5 l	0

ART. NO.	VOLUME	CONTAINER
AL0293005P	5 l	0
AL0293025P	25 l	0

## AL0295 Isobutanol, ExpertQ®, for analysis, ACS



assay (G.C.) ..... min. 99,5 %  
 identity (IR-spectrum) ..... passes test  
 density (20°/4°) ..... 0,801 - 0,802  
 colour (Hazen) ..... max. 10  
 acidity ..... max. 0,0005 meq/g  
 solubility in water ..... passes test  
 aluminium (Al) ..... max. 0,5 ppm  
 boron (B) ..... max. 0,02 ppm  
 barium (Ba) ..... max. 0,1 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  
 n-butyl alcohol (G.C.) ..... max. 0,1 %  
 isobutyraldehyde (G.C.) ..... max. 0,05 %  
 n-butylaldehyde (G.C.) ..... max. 0,01 %  
 2-butanol (G.C.) ..... max. 0,05 %  
 methylethylketone (G.C.) ..... max. 0,02 %  
 peroxides (as H<sub>2</sub>O<sub>2</sub>) ..... max. 0,001 %  
 substances darkened by H<sub>2</sub>SO<sub>4</sub> ..... passes test  
 residue on evaporation ..... max. 0,001 %  
 water (K.F.) ..... max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AL02951000	1 l	0
AL02952500	2,5 l	0
AL0295005P	5 l	0

## AL0296 Isobutanol, standard substance for GC



assay ..... 99,7 %  
 over ramp ..... 40°C, 5°C/min 120°C, 30°C/min 200 °C  
 identity ..... IR

ART. NO.	VOLUME	CONTAINER
AL02960005	5 ml	0