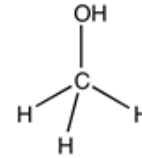


Methanol, dried (max. 0,005% H₂O), for analysis, ExpertQ® (Karl Fischer)
Identification

CH₃OH
 M = 32,04 g/mol
 CAS [67-56-1]
 EC number: 200-659-6
 Taric code: 2905 11 00


Synonyms

Methyl alcohol, Carbinol, Methynol, Wood alcohol

Applications

solvents, synthesis of organic products, in antifreeze compositions, solvent for animal and vegetable oils extractions.

Specifications

assay (G.C.).....	min. 99,8 %	iron (Fe).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,02 ppm
density (20°/4°).....	0,790 - 0,792	lithium (Li).....	max. 0,05 ppm
appearance.....	clear	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,01 ppm
solubility in water.....	passes test	molybdenum (Mo).....	max. 0,02 ppm
acidity.....	max. 0,0003 meq/g	nickel (Ni).....	max. 0,02 ppm
alkalinity.....	max. 0,0002 meq/g	platinum (Pt).....	max. 0,05 ppm
chlorides (Cl).....	max. 0,00005 %	silver (Ag).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,0001 %	thallium (Tl).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	tin (Sn).....	max. 0,1 ppm
arsenic (As).....	max. 0,02 ppm	titanium (Ti).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	vanadium (V).....	max. 0,02 ppm
beryllium (Be).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
bismuth (Bi).....	max. 0,02 ppm	zirconium (Zr).....	max. 0,02 ppm
boron (B).....	max. 0,02 ppm	acetone (G.C.).....	max. 0,001 %
cadmium (Cd).....	max. 0,05 ppm	ethanol (G.C.).....	max. 0,1 %
calcium (Ca).....	max. 0,5 ppm	aldehydes and ketones (as C ₂ H ₅ CHO).....	max. 0,001 %
chromium (Cr).....	max. 0,02 ppm	acetaldehyde (CH ₃ CHO).....	max. 0,001 %
cobalt (Co).....	max. 0,02 ppm	formaldehyde.....	max. 0,0001 %
copper (Cu).....	max. 0,02 ppm	substances reducing KMnO ₄	passes test
gallium (Ga).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
gold (Au).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
indium (In).....	max. 0,02 ppm	water (K.F.).....	max. 0,005 %

Physical data

- Density: 0,792 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -98 °C
- Boiling point: 65 °C
- Flash point: 10 °C
- Ignition temperature: 455 °C
- Vapour pressure: (20 °C) 128 hPa
- Refraction index: (n_{20 °C/D}) 1,3288
- Viscosity: (20 °C) 0,52 mPas
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (25 °C) 32,6
- Evap. heat: (65 °C) 1100 KJ/kg
- Saturation conc.: (20 °C) 166 g/m³
- Expl. limit (upper): 44 Vol%
- Expl. limit (lower): < 5,5 Vol%
- pH7
- Hygroscopic

Methanol, dried (max. 0,005% H₂O), for analysis, ExpertQ® (Karl Fischer)**Safety - GHS****Signal Word:** Danger**Hazard Statements:**

H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H370: Causes damage to organs.

Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 FT1 II • UN 1230 • METHANOL
- IMDG: 3 II • UN 1230 • METHANOL
- IATA/ICAO: 3 II • UN 1230 • METHANOL
- PAX: 352
- CAO: 364
- 10°C - 30°C