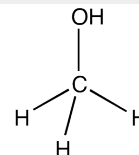


**Identification**

CH<sub>3</sub>OH  
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. 99,9 %       | sodium (Na).....                                      | max. 50 ppb   |
| identity (IR-spectrum)..... | passes test       | tin (Sn).....                                         | max. 5 ppb    |
| nitrosamine analysis.....   | passes test       | zinc (Zn).....                                        | max. 10 ppb   |
| density (20°/4°).....       | 0,790 - 0,792     | residue on evaporation.....                           | max. 0,0005 % |
| acidity.....                | max. 0,0002 meq/g | water (K.F.).....                                     | max. 0,02 %   |
| alkalinity.....             | max. 0,0002 meq/g |                                                       |               |
| aluminium (Al).....         | max. 10 ppb       | suitability for use in LC-MS.....                     | passes test   |
| barium (Ba).....            | max. 5 ppb        |                                                       |               |
| cadmium (Cd).....           | max. 5 ppb        | min. transmission/max. absorbance in a 1,0 cm cell at |               |
| calcium (Ca).....           | max. 10 ppb       | wavelength:.....                                      | T(%) A (AU)   |
| chromium (Cr).....          | max. 5 ppb        | 205 nm.....                                           | 20 % 0,699 AU |
| cobalt (Co).....            | max. 5 ppb        | 220 nm.....                                           | 60 % 0,222 AU |
| copper (Cu).....            | max. 5 ppb        | 240 nm.....                                           | 90 % 0,046 AU |
| iron (Fe).....              | max. 10 ppb       | 260 nm.....                                           | 98 % 0,009 AU |
| lead (Pb).....              | max. 5 ppb        |                                                       |               |
| magnesium (Mg).....         | max. 10 ppb       | gradient grade (235 nm)                               |               |
| manganese (Mn).....         | max. 5 ppb        | maximum peak absorbance:.....                         | 0,001 AU      |
| nickel (Ni).....            | max. 5 ppb        | gradient grade (254 nm)                               |               |
| potassium (K).....          | max. 10 ppb       | maximum peak absorbance:.....                         | 0,0005 AU     |
| silver (Ag).....            | max. 5 ppb        |                                                       |               |

Microfiltered through membranes of pore diameter 0,22 µm

**Physical data**

- Density: 0,792 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- Expl. limit (upper): 44 Vol%
- Expl. limit (lower): < 5,5 Vol%
- pH7
- Hygroscopic

**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