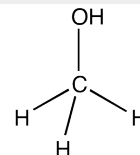


Identification

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

Specifications

assay (G.C.).....min. 99,9 %
identity (IR-spectrum).....passes test
density (20°/4°).....0,790 - 0,792
acidity.....max. 0,0002 meq/g
alkalinity.....max. 0,0002 meq/g
aluminium (Al).....max. 10 ppb
barium (Ba).....max. 5 ppb
cadmium (Cd).....max. 5 ppb
calcium (Ca).....max. 10 ppb
chromium (Cr).....max. 5 ppb
cobalt (Co).....max. 5 ppb
copper (Cu).....max. 5 ppb
iron (Fe).....max. 10 ppb
lead (Pb).....max. 5 ppb
magnesium (Mg).....max. 10 ppb
manganese (Mn).....max. 5 ppb
nickel (Ni).....max. 5 ppb
potassium (K).....max. 10 ppb
silver (Ag).....max. 5 ppb
sodium (Na).....max. 50 ppb
tin (Sn).....max. 5 ppb

zinc (Zn).....max. 10 ppb
residue on evaporation.....max. 0,0001 %
water (K.F.).....max. 0,02 %

suitability for use in UHPLC-MS.....passes test

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
205 nm.....20 % 0,699 AU
220 nm.....60 % 0,222 AU
240 nm.....90 % 0,046 AU
260 nm.....98 % 0,009 AU

gradient grade (235 nm)
maximum peak absorbance:.....0,001 AU
gradient grade (254 nm)
maximum peak absorbance:.....0,0005 AU

UHPLC-MS test ESI+.....max. 5 ppb Reserpin
UHPLC-MS test ESI-.....max. 20 ppb Digoxin

Microfiltered through membranes of pore diameter 0,1 µm

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

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