

ME0304 Methanol, dried (max. 0,005% H₂O), ExpertQ®, for analysis (Karl Fischer)



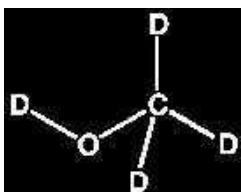
assay (G.C.) min. 99,8 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,790 - 0,792
 appearance clear
 colour (Hazen) max. 10
 solubility in water passes test
 acidity max. 0,0003 meq/g
 alkalinity max. 0,0002 meq/g
 chlorides (Cl) max. 0,00005 %
 sulfates (SO₄) max. 0,0001 %
 aluminium (Al) max. 0,5 ppm
 arsenic (As) max. 0,02 ppm
 barium (Ba) max. 0,1 ppm
 beryllium (Be) max. 0,02 ppm
 bismuth (Bi) max. 0,02 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. 0,02 ppm
 lithium (Li) max. 0,05 ppm
 magnesium (Mg) max. 0,1 ppm
 manganese (Mn) max. 0,01 ppm
 molybdenum (Mo) max. 0,02 ppm
 nickel (Ni) max. 0,02 ppm
 platinum (Pt) max. 0,05 ppm
 silver (Ag) max. 0,02 ppm
 thallium (Tl) max. 0,02 ppm
 tin (Sn) max. 0,1 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. 0,001 %
 ethanol (G.C.) max. 0,1 %
 aldehydes and ketones (as C₂H₅CHO) max. 0,001 %
 acetaldehyde (CH₃CHO) max. 0,001 %
 formaldehyde max. 0,0001 %
 substances reducing KMnO₄ passes test
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,0005 %
 water (K.F.) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
ME03041000	1 l	0
ME03042500	2,5 l	0
ME0304007E	7 l	0

METHANOL-D4

ME0312 Methanol-d₄, deuteration degree min. 99,8%, NMR spectroscopy grade, Spectrosol®



- Synonyms: Tetradeuteromethanol
- CD₃OD
- M = 36,07 g/mol
- CAS [811-98-3]
- EINECS-No.: 212-378-6
- Density: 0,89 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -99°C
- Boiling point: 65°C
- Flash pt. 11°C
- Ignition temp.: 455°C
- LD 50 (oral, rat): 5628 mg/kg
- ADR: 3 FT1 II UN 1230
- IMDG: 3 II UN 1230
- IATA/ICAO: 3 II UN 1230
- GHS-signal word: Danger
- GHS-H sentences: H225 - H301 - H311 - H331 - H370
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P361 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for nuclear magnetic resonance spectroscopy.

deuteration degree min. 99,8 %
 water (K.F., H₂O + D₂O) max. 0,03 %
 performance test (NMR-spectrum) passes test

ART. NO.	VOLUME	CONTAINER
ME03120010	10 ml	0
ME0312.750	x10x0,75ml	0

METHANOL WITH 0,1% ACETIC ACID

ME0329 Methanol with 0,1% acetic acid, LC-MS



- Flash pt. 11 °C
- ADR: 3 FT1 II UN 1992
- IMDG: 3 II UN 1992
- IATA/ICAO: 3 II UN 1992
- GHS-signal word: Danger
- GHS-H sentences: H225 - H331 - H370
- GHS-P sentences: P210 - P241 - P260 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 3822 00 00 00
- Applications: analytical chemistry, chromatography.

acetic acid content (v/v) 0,093 - 0,107 %
 calcium (Ca) max. 0,5 ppm
 magnesium (Mg) max. 0,5 ppm
 potassium (K) max. 0,5 ppm
 sodium (Na) max. 2 ppm
 suitability for use in LC-MS passes test
 gradient grade (254 nm)
 maximum peak absorbance: max. 0,01 AU
 min. transmission/max. absorbance in a 1,0 cm cell at
 wavelength T(%) A (AU)
 210 nm 5 % 1,301 AU
 230 nm 50 % 0,301 AU
 254 nm 95 % 0,022 AU
 Microfiltered through membranes of pore diameter
 0,22 µm

ART. NO.	VOLUME	CONTAINER
ME03291000	1 l	0