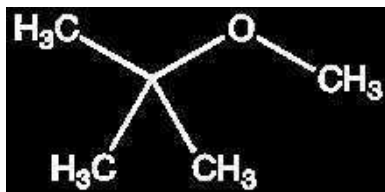


tert-BUTYL METHYL ETHER



- Synonyms: Methyl tert-butyl ether, MTBE
- C₅H₁₂O
- M = 88,15 g/mol
- CAS [1634-04-4]
- EINECS-No.: 216-653-1
- Density: 0,74 g/cm³
- Solub. in water: (10 °C): ~ 26 g/l
- Melting point: -110 °C
- Boiling point: 55 °C
- Flash pt. -28 °C
- Ignition temp.: 460 °C
- Vapour pressure: (20 °C) 268 hPa

- Refraction index: (25 °C) 1,3664
- LD 50 (oral, rat): 3870 mg/kg
- ADR: 3 F1 II UN 2398
- IMDG: 3 II UN 2398
- IATA/ICAO: 3 II UN 2398
- GHS-signal word: Danger
- GHS-H sentences: H225 - H315
- GHS-P sentences: P210 - P240 - P302 + P352 -
- Tariff number: 2909 19 90 00
- Applications: analytical chemistry, laboratory reagent, chromatography, solvents, as gasoline additive.
- Appearance: Colourless clear liquid

ME0550 tert-Butyl methyl ether, EssentQ®



assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
density (20°/4°) 0,740 - 0,742
acidity max. 0,002 meq/g
copper (Cu) max. 0,2 ppm
iron (Fe) max. 0,2 ppm
lead (Pb) max. 0,2 ppm

nickel (Ni) max. 0,2 ppm
peroxides (as H₂O₂) max. 0,005 %
residue on evaporation max. 0,005 %
water (K.F.) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
ME05501000	1 l	0
ME05502500	2,5 l	0
ME0550025A	25 l	0
ME0550200L	200 l	0

ME0551 tert-Butyl methyl ether, ExpertQ®, for analysis, Reag. Ph Eur



assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
density (20°/4°) 0,740 - 0,742
refractive index n₂₀/D 1,368 - 1,370
colour (Hazen) max. 10
acidity max. 0,0005 meq/g
alkalinity max. 0,0002 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
peroxides (as H₂O₂) max. 0,0005 %
residue on evaporation max. 0,001 %
water (K.F.) max. 0,03 %

ART. NO.	VOLUME	CONTAINER
ME05511000	1 l	0
ME05512500	2,5 l	0
ME0551007E	7 l	0
ME0551025S	25 l	0

ME0552 tert-Butyl methyl ether, HPLC grade



assay (G.C.) min. 99,8 %
identity (IR-spectrum) passes test
density (20°/4°) 0,740 - 0,742
acidity max. 0,0002 meq/g
alkalinity max. 0,0002 meq/g
residue on evaporation max. 0,0002 %
water (K.F.) max. 0,02 %

min. transmission/max. absorbance in a 1,0 cm cell at wavelength
T(%) A (AU)
240 nm 50 % 0,301 AU
255 nm 80 % 0,097 AU
280 nm 98 % 0,009 AU
Microfiltered through membranes of pore diameter 0,22 µm

ART. NO.	VOLUME	CONTAINER
ME05521000	1 l	0
ME05522500	2,5 l	0
ME05524000	4 l	0

ME0553 tert-Butyl methyl ether, for GC residue analysis



assay (G.C.) min. 99,8 %
identity (IR-spectrum) passes test
density (20°/4°) 0,740 - 0,742
residue on evaporation max. 0,0001 %
water (K.F.) max. 0,02 %

Suitable for organohalogenated pesticide and dioxins, furans and PCBs residue analysis. ECD, from 1,2,4-trichlorobenzene to decachlorobiphenyl, no peaks are obtained greater than 3 pg/ml as lindane. No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl.

ART. NO.	VOLUME	CONTAINER
ME05531000	1 l	0
ME05532500	2,5 l	0

ME0558 Tert-Butyl methyl ether, standard substance for GC



assay 99,9%
over ramp 40°C, 5°C/min 120°C, 30°C/min 200°C
identity IR

ART. NO.	VOLUME	CONTAINER
ME05580005	5ml	0