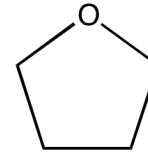


**Tetrahydrofuran, 99,8%, anhydrous (max. 0,005% H<sub>2</sub>O), stabilized with 250 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)**

### Identification

C<sub>4</sub>H<sub>8</sub>O  
M = 72,11 g/mol  
CAS [109-99-9]  
EC number: 203-726-8  
Taric code: 2932 11 00



### Synonyms

THF, Tetramethylene oxide, Oxolane

### Applications

solvents, synthesis of polymers, synthesis of organic products, for organometallic compounds synthesizing, for histology.

### Specifications

assay (G.C.).....	min. 99,8 %	chromium (Cr).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	cobalt (Co).....	max. 0,02 ppm
density (20°/20°).....	0,889 - 0,891	copper (Cu).....	max. 0,02 ppm
appearance.....	clear	iron (Fe).....	max. 0,1 ppm
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,1 ppm
acidity.....	max. 0,0003 meq/g	magnesium (Mg).....	max. 0,02 ppm
alkalinity.....	max. 0,0002 meq/g	manganese (Mn).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	nickel (Ni).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	tin (Sn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	peroxides (as H <sub>2</sub> O <sub>2</sub> ).....	max. 0,005 %
calcium (Ca).....	max. 0,5 ppm	residue on evaporation.....	max. 0,025 %
		water (K.F.).....	max. 0,005 %

### Physical data

- Density: 0,89 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -108,5 °C
- Boiling point: 65 - 66 °C
- Flash point: -21,5 °C
- Ignition temperature: 215 °C
- Vapour pressure: (20°C) 173 hPa
- Refraction index: (n 20 °C/D) 1,407
- Viscosity: (20 °C) 0,47 mPas
- Dipolar moment: (20 °C) 1,63 Debye
- Dielectric const.: (20 °C) 7,4
- Saturation conc.: (20 °C) 557 g/m<sup>3</sup>
- Expl. limit (upper): 12,4 Vol%
- Expl. limit (lower): 1,5 Vol%
- pH(200 g/l H<sub>2</sub>O, 20 °C) 7 - 8

### Safety - GHS

Signal Word: Danger

#### Hazard Statements:

- H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer.  
H335: May cause respiratory irritation.



#### Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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.

**Tetrahydrofuran**, 99,8%, anhydrous (max. 0,005% H<sub>2</sub>O), stabilized with 250 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)

**Transport/storage**

- ADR: 3 F1 II • UN 2056 • TETRAHYDROFURAN
- IMDG: 3 II • UN 2056 • TETRAHYDROFURAN
- IATA/ICAO: 3 II • UN 2056 • TETRAHYDROFURAN
- PAX: 353
- CAO: 364
- 10°C - 30°C