

## Certificate of Analysis

**Product:** Tetrahydrofuran

**Grade:** ACS/HPLC grade, no preservative

**CAS #** 109-99-9

**CHEMICAL FORMULA :** C<sub>4</sub>H<sub>8</sub>O

**MDL:** MFCD00005356

**Product Code :** CP-C1591

**Lot:** CMT425

**Density:** 0.8876 g/mL, 20C

**F.W.** 72.107 g/mol

**Flash Point** -14°C, 7°F

Analytical Results		
Item	Specifications	Analysis
Appearance (Color )	Colorless	Colorless
Appearance ( Form)	Liquid	Liquid
Color (APHA )	max. 10	<10
Titration Acid ( as Acetic acid)	max. 0.002	<0.002%
GC Analysis	more than 99.90%	>99.99%
Water by Karl Fischer Titration	max. 0.050%	0.008%
Residue	max. 0.0005	<0.0005%
Refractive Index @25°C	1.4040 - 1.4070	1.4060
Identification by IR	conforms to structure	conforms to structure
Peroxides ( as H <sub>2</sub> O <sub>2</sub> )	max. 0.05	<0.050%
UV-Visible Spectrum		
Absorbance @ 400nm (1cm)	0.005 AU	<0.001 AU
Absorbance @ 350nm (1cm)	0.005 AU	<0.001 AU
Absorbance @ 315nm (1cm)	0.0044 AU	<0.001 AU
Absorbance @ 300nm (1cm)	0.020 AU	<0.01 AU
Absorbance @ 275nm (1cm)	0.046 AU	0.016 AU
Absorbance @ 250nm (1cm)	0.180 AU	0.100 AU
Absorbance @ 245nm (1cm)	0.260 AU	0.130 AU
Absorbance @ 212nm (1cm)	1 AU	0.800 AU
Meets ACS Requirements		Meets requirements
Suitability for HPLC use	Pass/Fail	Pass
Manufacturing date		Oct-08-2025
Retest date		Oct-07-2027

C = 4L

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

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