

## Certificate of Analysis

Date of Testing: 2023-05-20 16:50:11  
 Date of Next Testing: 2025-05-19 16:50:11  
 Product Name: **Tetrahydrofuran**  
 CAS Number: 109-99-9  
 Specifications & Purity: Chromatographic grade, ≥99.9%, no stabilizer  
 Lot #: E23161190  
 SKU #: **T407518**  
**Analysis:** **214531**  
 Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99.9-100 (%)	100.00 %
free acid (as CH <sub>3</sub> COOH)	0-0.002 (%)	0.00 %
Water by Karl Fischer	0-0.05 (%)	0.01 %
Ignition Residue	0-0.0005 (%)	0.00 %
Peroxide(as H <sub>2</sub> O <sub>2</sub> )	0-0.05 (%)	0.03 %
Refractive index n <sub>20</sub> /D	1.405-1.409	1.41
UV Absorbance 212nm	0-1	0.50
UV Absorbance 245nm	0-0.26	0.18
UV Absorbance 250nm	0-0.18	0.15
UV Absorbance 275nm	0-0.046	0.04
UV Absorbance 300nm	0-0.02	0.01
UV Absorbance 350nm	0-0.005	0.00
UV Absorbance 400nm	0-0.005	0.00
UV Absorbance 315nm	0-0.0044	0.00
Appearance(T407518)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager