

# Certificate of Analysis

## Compound Information

**Product Name:** Diethyl Ether  
**CAS No.:** 60-29-7  
**Cat. No.:** G5780081  
**Molecular Formula:** C<sub>4</sub>H<sub>10</sub>O  
**Molecular Weight:** 74.12

## Batch Information

**Batch No.:** 9481333  
**Test Date:** 2024-12-30  
**Report Date:** 2024-12-31  
**Retest Date:** 2030-06-27  
**Storage:** Store in a cool, dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Purity, %	≥99.5	99.92
Color, Hazen Units	≤10	3
Acidity (as H <sup>+</sup> ), mmol/g	≤0.0005	0.0004
Alkalinity (as OH <sup>-</sup> ), mmol/g	≤0.0002	0.0002
Evaporation Residue, %	≤0.0005	0.0003
Water Content, %	≤0.05	0.02
Maximum UV Absorbance		
at 218 nm	≤1	0.859
at 250 nm	≤0.2	0.125
at 275 nm	≤0.04	0.031
at 300–400 nm	≤0.01	0.009

## Conclusion Signature

The product has been tested and complies with the given specifications.

**Reviewed by:**

*Hin Lam*

**Reviewed by:**

*Debia*

**Approved by:**

*David*