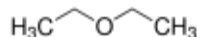


Certificate of Analysis

Product Name:

Diethyl ether - suitable for HPLC, ≥99.9%, inhibitor-free

Product Number: 309966
Batch Number: SHBS1649
Brand: SIGALD
CAS Number: 60-29-7
MDL Number: MFCD00011646
Formula: C₄H₁₀O
Formula Weight: 74.12 g/mol
Quality Release Date: 04 DEC 2024
Expiration Date: NOV 2025



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
UV Absorbance 400nm	≤ 0.01	< 0.01
UV Absorbance 300nm	≤ 0.01	< 0.01
UV Absorbance 275nm	≤ 0.04	< 0.01
UV Absorbance 250nm	≤ 0.20	0.07
UV Absorbance 218nm	≤ 1.0	0.2
Purity (GC)	≥ 99.90 %	99.99 %
Water (by Karl Fischer)	≤ 0.03 %	0.01 %
Residue on Evaporation	≤ 0.0003 %	< 0.0001 %
Peroxide (as H ₂ O ₂)	< = 1 ppm	< = 1 ppm
Expiration Date Period	-----	-----
1 Year		



Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

