

Certificate of Analysis

Product Name:

Elaidic acid - analytical standard

Product Number: 45089
Batch Number: SLCQ1331
Brand: SIAL
CAS Number: 112-79-8
MDL Number: MFCD00063954
Formula: C₁₈H₃₄O₂
Formula Weight: 282.46 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 14 DEC 2022
Expiration Date: NOV 2025



Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml, CHCl ₃		
Initial Melting Point	≥ 43 °C	44 °C
Final Melting Point	≤ 47 °C	45 °C
Proton NMR Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.0 %	99.6 %

Brian Dulle, Supervisor
 Quality Assurance
 St. Louis, Missouri 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.

