

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-22 16:44:23  
Date of Next Testing: 2025-07-11 16:44:23  
Product Name: **Ricinoleic acid**  
CAS Number: 141-22-0  
Specifications & Purity: analytical standard,  $\geq 99\%$   
Lot #: G2306100  
SKU #: **R110071**  
Version: **0**  
Analysis #: **228767**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.00 %
Carbon by Elemental Analysis	71.5-72.6 (%)	71.65 %
Oxygen by Elemental Analysis	15.7-16.3 (%)	15.82 %
Appearance (R110071)	Colorless to Pale Yellow Viscous Liquid	Colorless to Pale Yellow Viscous Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager