

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-24 10:17:53

Date of Next Testing: 2029-12-23 10:17:53

Product Name: **Ricinoleic acid**

CAS Number: 141-22-0

Specifications & Purity: $\geq 95\%(T), \geq 70\%(GC)$

Lot #: L2516083

SKU #: **R110072**

Version: **0**

Analysis #: **630990**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	94.5-105.5 (%)	94.50000 %
Purity(GC)	70-100 (%)	74.20000 %
Refractive index n ₂₀ /D	1.47-1.473	1.47100
Specific Rotation [α] ₂₀ /D(c=2 in Acetone)	5-8 (°)	6.98000 °
Appearance (R110072)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager