

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-07 15:38:36
 Date of Next Testing: 2029-04-06 15:38:36
 Product Name: **Ricinoleic acid**
 CAS Number: 141-22-0
 Specifications & Purity: $\geq 95\%(T), \geq 70\%(GC)$
 Lot #: C2528242
 SKU #: **R110072**
 Version: **0**
 Analysis #: **037792**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	70-100 (%)	74.23800 %
Refractive index n ₂₀ /D	1.47-1.473	1.47150
Specific Rotation [α] ₂₀ /D(c=2 in Acetone)	5-8 (°)	6.98300 °
Purity(Neutralization titration)	94.5-105.5 (%)	94.53000 %
Appearance (R110072)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager