

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-13 11:37:44
 Date of Next Testing: 2025-12-12 11:37:44
 Product Name: **(R)-(+)- α -Lipoic acid**
 CAS Number: 1200-22-2
 Specifications & Purity: 98%
 Lot #: L2207905
 SKU #: **D118666**
Analysis: 159476
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.15700%
Specific Rotation [a] _D 20/D(c=1 in EtOH)	110-129 (°)	124.49°
Melting point	47-51 (°C)	50.98000 °C
Appearance (D118666)	White to Yellow Crystals to Powder and/or Chunks	White to Yellow Crystals to Powder and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager