

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-03 09:45:23
Date of Next Testing: 2027-04-03 09:45:23
Product Name: **(R)-(+)- α -Lipoic acid**
CAS Number: 1200-22-2
Specifications & Purity: 98%
Lot #: C2429440
SKU #: **D118666**
Analysis: **327600**
Storage Temperature: Store at -20°C, Argon charged

| Parameter | Limit Values | Result |
|---|--|--|
| Purity(HPLC) | 98-100 (%) | 99.72000% |
| Melting point | 47-51 (°C) | 49.00000 °C |
| Specific Rotation [a] ₂₀ /D(c=1 in EtOH) | 110-129 (°) | 120.00 ° |
| 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