

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-03 12:51:20  
Date of Next Testing: 2026-07-02 12:51:20  
Product Name: **(S)-(-)- $\alpha$ -Lipoic acid**  
CAS Number: 1077-27-6  
Specifications & Purity:  $\geq$ 97% (HPLC)  
Lot #: G2201250  
SKU #: **L124685**  
**Analysis: 100919**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.20300 %
Specific Rotation [a] <sub>20</sub> /D(10mg/ml in EtOH)-128~-113 (°)		-126.65 °
Appearance (L124685)	yellow powder,crystals and/or chunks	yellow powder,crystals 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