

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-18 10:46:25
 Date of Next Testing: 2029-08-17 10:46:25
 Product Name: **L-(+)-Lysine Monohydrochloride**
 CAS Number: 657-27-2
 Specifications & Purity: $\geq 99\%$
 Lot #: H2515478
 SKU #: **L105432**
 Version: **1**
 Analysis #: **561655**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.00400 %
Heavy metal (as Pb)	0-10 (ppm)	0.13000 ppm
Iron(Fe)	0-30 (ppm)	0.60000 ppm
Sulfate(SO42-)	0-200 (ppm)	1.54000 ppm
Purity(as dry basis)	99-101 (%)	99.51000 %
Transmission(c=10, H2O, 430 nm, 1 cm cell)	95-100 (%)	99.51000 %
Sulfate Ash	0-0.1 (%)	0.00000 %
Ammonia (NH4)	0-200 (ppm)	5.14100 ppm
Melting point	256-263 (°C)	258.36000 °C
Other amino acids(TLC)	0-0.5 (%)	0.01000 %
(As)Arsenic	0-1 (ppm)	0.00900 ppm
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	20-21 (°)	20.15900 °
Appearance (L105432)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager