

ALADDIN SCIENTIFIC CORPORATION
 14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-04 13:53:06
 Date of Next Testing: 2029-06-03 13:53:06
 Product Name: **L-(+)-Lysine Monohydrochloride**
 CAS Number: 657-27-2
 Specifications & Purity: ≥99%
 Lot #: E2515424
 SKU #: **L105432**
 Version: **1**
 Analysis #: **519627**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.01520 %
Heavy metal (as Pb)	0-10 (ppm)	0.02510 ppm
Iron(Fe)	0-30 (ppm)	0.23500 ppm
Sulfate(SO42-)	0-200 (ppm)	1.52600 ppm
Purity(as dry basis)	99-101 (%)	99.59000 %
Transmission(c=10, H2O, 430 nm,1 cm cell)	95-100 (%)	96.00000 %
Sulfate Ash	0-0.1 (%)	0.03250 %
Ammonia (NH4)	0-200 (ppm)	1.52500 ppm
Melting point	256-263 (°C)	258.00000 °C
Other amino acids(TLC)	0-0.5 (%)	0.02000 %
(As)Arsenic	0-1 (ppm)	0.03250 ppm
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	20-21 (°)	20.16300 °
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



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

John Su
QA & QC Manager