

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-09 17:06:51
 Date of Next Testing: 2029-05-08 17:06:51
 Product Name: **L-(+)-Lysine Monohydrochloride**
 CAS Number: 657-27-2
 Specifications & Purity: $\geq 99\%$
 Lot #: D2525295
 SKU #: **L105432**
 Version: **1**
 Analysis #: **509901**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.04000 %
Heavy metal (as Pb)	0-10 (ppm)	0.21200 ppm
Iron(Fe)	0-30 (ppm)	2.16000 ppm
Sulfate(SO42-)	0-200 (ppm)	1.00240 ppm
Purity(as dry basis)	99-101 (%)	99.32000 %
Transmission(c=10, H2O, 430 nm, 1 cm cell)	95-100 (%)	95.62000 %
Sulfate Ash	0-0.1 (%)	0.00240 %
Ammonia (NH4)	0-200 (ppm)	1.04210 ppm
Melting point	256-263 (°C)	256.64000 °C
Other amino acids(TLC)	0-0.5 (%)	0.06210 %
(As)Arsenic	0-1 (ppm)	0.42000 ppm
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	20-21 (°)	20.14100 °
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

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

John Su
QA & QC Manager