

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-05-09 17:12:01
Date of Next Testing:	2029-05-08 17:12:01
Product Name:	L-(+)-Lysine Monohydrochloride
CAS Number:	657-27-2
Specifications & Purity:	≥99%
Lot #:	D2525297
SKU #	L105432
Version	1
Analysis #:	509901
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.04%
Heavy metal (as Pb)	0-10 (ppm)	0.21 ppm
Iron(Fe)	0-30 (ppm)	2.16 ppm
Sulfate(SO42-)	0-200 (ppm)	1.00 ppm
Purity(as dry basis)	99-101 (%)	99.32%
Transmission(c=10, H2O, 430 nm,1 cm cell)	95-100 (%)	95.62%
Sulfate Ash	0-0.1 (%)	0.00%
Ammonia (NH4)	0-200 (ppm)	1.04 ppm
Melting point	256-263 (°C)	256.64000 °C
Other amino acids(TLC)	0-0.5 (%)	0.06%
(As)Arsenic	0-1 (ppm)	0.42 ppm
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	20-21 (°)	20.14°
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager