

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-10 11:31:29
 Date of Next Testing: 2029-12-09 11:31:29
 Product Name: **L-(+)-Lysine Monohydrochloride**
 CAS Number: 657-27-2
 Specifications & Purity: Animal Free, USP, JP, Ph.Eur., for cell culture, ≥98.5%
 Lot #: L2508488
 SKU #: **L113006**
 Version: **6**
 Analysis #: **611835**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfate(SO42-)	0-0.02 (%)	0.00000 %
Heavy metal (as Pb)	0-10 (ppm)	0.00000 ppm
Loss on drying	0-0.4 (%)	0.26830 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00000 %
Iron(Fe)	0-10 (ppm)	0.00000 ppm
(As)Arsenic	0-1 (ppm)	0.00000 ppm
PH test	5-6	5.41000
Ammonia (NH4)	0-0.02 (%)	0.01000 %
Specific Rotation [α] ₂₅ /D(c=8 in 6M HCL)	20.4-21.4 (°)	21.38000 °
Purity	98.5-100.5 (%)	100.48000 %
Chloride (Cl-)	19.12-19.51(%)	19.39000 %
Appearance (L113006)	White to Off White Powder or Crystals	White to Off White Powder or Crystals
Solubility,1g/5ml water	Clear colorless	Clear Colorless
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms	Conforms
Residual solvents	complies	complies



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager