

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-12-10 11:33:16
Date of Next Testing:	2029-12-09 11:33:16
Product Name:	<b>L-(+)-Lysine Monohydrochloride</b>
CAS Number:	657-27-2
Specifications & Purity:	Animal Free, USP, JP, Ph.Eur., for cell culture, ≥98.5%
Lot #:	L2508487
SKU #	<b>L113006</b>
Version	<b>6</b>
<b>Analysis #:</b>	<b>611835</b>
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] <sub>25</sub> /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



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