

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-14 09:56:32

Date of Next Testing: 2027-11-13 09:56:32

Product Name: **L-Lysine**

CAS Number: 56-87-1

Specifications &amp; Purity: 98%

Lot #: K2307393

SKU #: **L103479****Analysis: 289643**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in 5mol/L HCl)	24-27 (°)	24.44°
Water by Karl Fischer	0-12 (%)	2.89%
Purity(HPLC)	98-100 (%)	99.77200%
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.82%
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.31%
Appearance (L103479)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow ,Clear,100 mg/mL	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su  
QA & QC Manager