

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-05 20:17:57

Date of Next Testing: 2027-04-04 20:17:57

Product Name: **L-Lysine**

CAS Number: 56-87-1

Specifications & Purity: Moligand™, ≥98%

Lot #: C2331617

SKU #: **L103479**

Version: **1**

Analysis #: **185738**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] _{20/D} (c=2 in 5mol/L HCl)	24-27 (°)	25.00500°
Water by Karl Fischer	0-12 (%)	1.93980 %
Purity(HPLC)	98-100 (%)	99.93100 %
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	19.03700 %
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	49.02600 %
Appearance (L103479)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Solubility in H ₂ 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