

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-06 11:38:56
 Date of Next Testing: 2027-01-05 11:38:56
 Product Name: **L-Lysine**
 CAS Number: 56-87-1
 Specifications & Purity: Moligand™, ≥98%
 Lot #: A2304544
 SKU #: **L103479**
 Version: **1**
 Analysis #: **157516**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in 5mol/L HCl)	24-27 (°)	24.00300°
Water by Karl Fischer	0-12 (%)	0.93860 %
Purity(HPLC)	98-100 (%)	99.85900 %
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.81000 %
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.31000 %
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