

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-02 10:15:46
Date of Next Testing: 2029-08-01 10:15:46
Product Name: **L-Lysine**
CAS Number: 56-87-1
Specifications & Purity: Moligand™, ≥98%
Lot #: G2531466
SKU #: **L103479**
Version: **1**
Analysis #: **497907**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in 5mol/L HCl)	24-27 (°)	25.57°
Purity(HPLC)	98-100 (%)	99.80300%
Water by Karl Fischer	0-12 (%)	2.01%
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.97%
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.72%
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