

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-04-30 13:29:10
Date of Next Testing:	2029-04-29 13:29:10
Product Name:	L-Lysine
CAS Number:	56-87-1
Specifications & Purity:	Moligand™, ≥98%
Lot #:	D2527297
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