

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-11 16:17:10  
Date of Next Testing: 2028-04-10 16:17:10  
Product Name: **L-Lysine**  
CAS Number: 56-87-1  
Specifications & Purity: Moligand™, ≥98%  
Lot #: C2430095  
SKU #: **L103479**  
Version: **1**  
Analysis #: **345071**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in 5mol/L HCl)	24-27 (°)	25.29000°
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.86000%
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.31000%
Water by Karl Fischer	0-12 (%)	1.23500%
Purity(HPLC)	98-100 (%)	99.68200%
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