

Certificate of Analysis

Date of Testing: 2024-03-09 09:41:27

Date of Next Testing: 2028-03-08 09:41:27

Product Name: **L-Lysine**

CAS Number: 56-87-1

Specifications & Purity: 98%

Lot #: C2406157

SKU #: **L103479**

Analysis: **321759**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in 5mol/L HCl)	24-27 (°)	24.16 °
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.83 %
Water by Karl Fischer	0-12 (%)	1.48 %
Purity(HPLC)	98-100 (%)	99.56200 %
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	49.02 %
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