

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-25 11:12:59
Date of Next Testing: 2028-09-24 11:12:59
Product Name: **L-Lysine**
CAS Number: 56-87-1
Specifications & Purity: 98%
Lot #: 12418312
SKU #: **L103479**
Version: **1**
Analysis #: **408330**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } 5\text{mol/L HCl})}$	24-27 (°)	24.97°
Water by Karl Fischer	0-12 (%)	4.78%
Purity(HPLC)	98-100 (%)	99.84700%
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.81%
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.68%
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