

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-18 13:17:45  
 Date of Next Testing: 2027-08-17 13:17:45  
 Product Name: **L-Lysine**  
 CAS Number: 56-87-1  
 Specifications & Purity: 98%  
 Lot #: H2314255  
 SKU #: **L103479**  
**Analysis:** **221139**  
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in 5mol/L HCl)	24-27 (°)	25.58°
Water by Karl Fischer	0-12 (%)	2.13%
Purity(HPLC)	98-100 (%)	98.97300%
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.59%
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.82%
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