

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-03-19 13:53:31
Date of Next Testing:	2029-03-18 13:53:31
Product Name:	<b>L-Lysine</b>
CAS Number:	56-87-1
Specifications & Purity:	Moligand™, ≥98%
Lot #:	C2512764
SKU #	<b>L103479</b>
Version	<b>1</b>
Analysis #:	<b>476820</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=2 in 5mol/L HCl)	24-27 (°)	25.11°
Water by Karl Fischer	0-12 (%)	1.86 %
Purity(HPLC)	98-100 (%)	100.00000 %
Carbon by Elemental Analysis(anhydrous)	48.3-50.3 (%)	48.69 %
Nitrogen by Elemental Analysis (anhydrous)	18.8-19.5 (%)	18.94 %
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