

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-18 16:24:43

Date of Next Testing: 2027-10-17 16:24:43

Product Name: **L-Lysine**

CAS Number: 56-87-1

Specifications & Purity: Moligand™, ≥98%, Metal < 500ppm

Lot #: J2309016

SKU #: **L598932**

Version: **1**

Analysis #: **287374**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] _{20/D} (c=2 in 5mol/L HCl)	24-27 (°)	25.58200°
Water by Karl Fischer	0-12 (%)	2.13390 %
Purity(HPLC area)	98-100 (%)	98.97300 %
Total Metallic Impuritie	< 500 (ppm)	0.00000 ppm
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(L598932)	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



John Su
QA & QC Manager