

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|---------------------|
| Date of Testing: | 2025-12-19 17:40:53 |
| Date of Next Testing: | 2029-12-18 17:40:53 |
| Product Name: | L-Lysine |
| CAS Number: | 56-87-1 |
| Specifications & Purity: | Moligand™, ≥98% |
| Lot #: | L2516103 |
| SKU # | L103479 |
| Version | 1 |
| Analysis #: | 497907 |
| Storage Temperature: | Argon charged |

| Parameter | Limit Values | Result |
|---|--|--|
| Specific Rotation [α] ₂₀ /D(c=2 in 5mol/L HCl) | 24-27 (°) | 25.57° |
| Purity(HPLC) | 98-100 (%) | 99.80300% |
| Water by Karl Fischer | 0-12 (%) | 2.01% |
| Nitrogen by Elemental Analysis (anhydrous) | 18.8-19.5 (%) | 18.97% |
| Carbon by Elemental Analysis(anhydrous) | 48.3-50.3 (%) | 48.72% |
| 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