

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-25 10:51:25

Date of Next Testing: 2027-03-25 10:51:25

Product Name: **D-Lysine**

CAS Number: 923-27-3

Specifications & Purity: Moligand™, ≥99%

Lot #: C2518660

SKU #: **D139442**

Version: **0**

Analysis #: **482082**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                       | Limit Values                                      | Result                                            |
|-----------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(HPLC)                                                    | 99-100 (%)                                        | 99.72100 %                                        |
| Specific Rotation [α] <sub>25</sub> /D(c=1 in H <sub>2</sub> O) | -16--12 (°)                                       | -13.87400 °                                       |
| Carbon by Elemental Analysis                                    | 47-50.5 (%)                                       | 47.91500 %                                        |
| Nitrogen by Elemental Analysis                                  | 18-19.4 (%)                                       | 18.38700 %                                        |
| Water by Karl Fischer                                           | 0-5 (%)                                           | 0.29450 %                                         |
| Appearance (D139442)                                            | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow      | pass                                              | Pass                                              |
| Clear ,50 mg/mL, H <sub>2</sub> O                               |                                                   |                                                   |
| Infrared spectrum                                               | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager