

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-15 09:46:11

Date of Next Testing: 2030-04-14 09:46:11

Product Name: **L-Ornithine monohydrochloride**

CAS Number: 3184-13-2

Specifications & Purity:  $\geq 98\%$

Lot #: G2215246

SKU #: **O108803**

Version: **1**

Analysis #: **689003**

Storage Temperature: Room temperature

| Parameter                                                                                    | Limit Values              | Result                    |
|----------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in } 6\text{mol/L HCl})$                       | 22-25 (°)                 | 22.22500°                 |
| Purity(HPLC)                                                                                 | 98-100 (%)                | 98.66000 %                |
| Carbon by Elemental Analysis                                                                 | 34.17-37.02 (%)           | 35.59000 %                |
| Nitrogen by Elemental Analysis                                                               | 15.95-17.28 (%)           | 17.12000 %                |
| Appearance (O108803)                                                                         | White to Off-White Powder | White to Off-White Powder |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O | pass                      | Pass                      |
| Proton NMR spectrum                                                                          | Conforms to structure     | Conforms to Structure     |



John Su  
QA & QC Manager