

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-08 22:25:56  
 Date of Next Testing: 2027-03-07 22:25:56  
 Product Name: **L-Homoarginine Hydrochloride**  
 CAS Number: 1483-01-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: C2302707  
 SKU #: **H100536**  
 Version: **3**  
 Analysis #: **179636**  
 Storage Temperature: Store at 2-8°C

| Parameter                                             | Limit Values                                                            | Result                                                                  |
|-------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Water by Karl Fischer                                 | 0-2 (%)                                                                 | 0.96320 %                                                               |
| Purity(HPLC)                                          | 98-100 (%)                                                              | 99.58700 %                                                              |
| Specific Rotation                                     | 15-20 (°)                                                               | 18.57300 °                                                              |
| [a] <sub>25</sub> /D(c=1 in 1M HCl)                   |                                                                         |                                                                         |
| Appearance (H100536)                                  | White to Off-White Powder or Crystals or Crystalline Powder or Granules | White to Off-White Powder or Crystals or Crystalline Powder or Granules |
| Solubility in H <sub>2</sub> O , colorless (50 mg/ml) | pass                                                                    | Pass                                                                    |
| Proton NMR spectrum                                   | Conforms to Structure                                                   | Conforms to Structure                                                   |



John Su  
QA & QC Manager