

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-09 13:52:30  
Date of Next Testing: 2029-09-08 13:52:30  
Product Name: **L-Arginine hydrochloride**  
CAS Number: 1119-34-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: I2505181  
SKU #: **A103486**  
Version: **5**  
Analysis #: **563100**  
Storage Temperature: Room temperature, Argon charged, Desiccated

| Parameter  | Limit Values             | Result                   |
|--|--------------------------|--------------------------|
| Insoluble matter   | 0-0.1 (%)                | 0.00000 %                |
| PH(20 °C, 1 M in Water)  | 5-7                      | 5.49000                  |
| Ignition Residue (as sulfate)  | 0-0.1 (%)                | 0.00000 %                |
| Assay(Nonaqueous Titration)  | 98.5-101.5 (%)           | 100.32000 %              |
| Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6M \text{ HCl})$                | 21.4-23.6 (°)            | 21.41000 °               |
| Appearance (A103486)   | White Powder or Crystals | White Powder or Crystals |
| Solubility in H <sub>2</sub> O , colorless to pale yellow liquid, clear, 1M, 20 °C | pass                     | Pass                     |
| Infrared spectrum  | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager