

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-21 17:18:38  
Date of Next Testing: 2028-10-20 17:18:38  
Product Name: **L-Arginine hydrochloride**  
CAS Number: 1119-34-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: J2416728  
SKU #: **A103486**  
Version: **4**  
Analysis #: **393454**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Insoluble matter	0-0.1 (%)	0.02 %
PH(20 °C, 1 M in Water)	5-7	6.58
Ignition Residue (as sulfate)	0-0.1 (%)	0.03 %
Assay(Nonaqueous Titration)	98.5-101.5 (%)	101.35000 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6M \text{ HCl})$	21.4-23.6 (°)	21.41°
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
$\lambda$ ,1 M in H <sub>2</sub> O	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager