

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-06-27 18:48:38
Date of Next Testing: 2029-06-26 18:48:38
Product Name: **L-Arginine hydrochloride**
CAS Number: 1119-34-2
Specifications & Purity: $\geq 99\%$
Lot #: F2524094
SKU #: **A103486**
Version: 5
Analysis #: **527346**
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	5.56000
Ignition Residue (as sulfate)	0-0.1 (%)	0.00000 %
Assay(Nonaqueous Titration)	98.5-101.5 (%)	100.31000 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6M \text{ HCl})$	21.4-23.6 (°)	21.42100 °
Appearance (A103486)	White Powder or Crystals	White Powder or Crystals
Solubility in H ₂ 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