

## Certificate of Analysis

Date of Testing: 2022-07-14 17:08:54  
Date of Next Testing: 2026-07-13 17:08:54  
Product Name: **L-Arginine hydrochloride**  
CAS Number: 1119-34-2  
Specifications & Purity: 98%  
Lot #: G2213395  
SKU #: **A103484**  
**Analysis: 113295**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Other amino acids	0-0.5 (%)	0.12 %
Sulfate(SO42-)	0-300 (ppm)	100.00 ppm
Ammonia (NH4)	0-200 (ppm)	150.00 ppm
PH	4.7-6.2	4.91
Transmission	95-100 (%)	96.20 %
Loss on drying	0-0.2 (%)	0.20 %
Heavy metal (as Pb)	0-10 (ppm)	5.00 ppm
Sulfate Ash	0-0.1 (%)	0.04 %
Purity	98-100 (%)	99.82 %
Iron(Fe)	0-10 (ppm)	2.00 ppm
Appearance (A103484)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager