

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Arginine hydrochloride**
Specifications & Purity: **99%**
SKU #: **A103486**

Parameter	Limit Values
Copper(Cu)	0-0.0005 (%)
Sodium(Na)	0-0.005 (%)
(Pb)Lead	0-0.001 (%)
Zinc(Zn)	0-0.0005 (%)
Insoluble matter	0-0.1 (%)
Aluminum(Al)	0-0.0005 (ppm)
Sulfate(SO ₄ ²⁻)	0-0.05 (ppm)
Ammonia (NH ₄)	0-0.05 (%)
PH(20 °C, 1 M in Water)	5-7
Iron(Fe)	0-0.0005 (%)
Potassium(K)	0-0.005 (%)
Calcium(Ca)	0-0.0005 (ppm)
Magnesium (Mg)	0-0.0005 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Phosphorus (P)	0-0.0005 (%)
Appearance (A103486)	White Powder or Crystals
Infrared spectrum	Conforms to Structure
Solubility in H ₂ O , colorless to pale yellow liquid,clear,1M,20 °C	pass
λ,1 M in H ₂ O	Pass
Specific Rotation [α] ₂₀ /D(c=8 in 6M HCl)	21.4-23.6 (°)
Assay(Nonaqueous Titration)	98.5-101.5 (%)