

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **L(+)-Arginine hydrochloride**  
Specifications & Purity: **USP**  
SKU #: **L274353**

Parameter	Limit Values
Appearance(L274353)	white crystalline powder
Proton NMR spectrum	Conforms to Structure
Assay(Perchloric acid titration, calc. on anhydrous substance)	98.5-101.5 (%)
Specific Rotation $[\alpha]_{20/D}(c=80\text{mg/mL in } 6\text{M HCl})$	21.4-23.6 (°)
pH	4.7-6.2
Loss on drying	0-0.2 (%)
Ignition Residue (as sulfate)	0-0.1 (%)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.03 (%)
Chloride (Cl <sup>-</sup> )	16.5-17.1 (%)
Heavy metal (as Pb)	0-10 (ppm)
Arsenic(As)	0-1 (ppm)
Chromatographic purity(Individual impurities)	0-0.5 (%)
Chromatographic purity(Total impurities)	0-2 (%)