


ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-03-20 14:32:04
Date of Next Testing:	2028-03-19 14:32:04
Product Name:	<b>L(+)-Arginine hydrochloride</b>
CAS Number:	1119-34-2
Specifications & Purity:	USP
Lot #:	C2416131
SKU #	<b>L274353</b>
<b>Analysis:</b>	<b>323628</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.1 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.03 (%)	0.01 %
Chloride (Cl <sup>-</sup> )	16.5-17.1 (%)	16.76 %
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Arsenic(As)	0-1 (ppm)	0.00000 ppm
Chromatographic purity(Total impurities)	0-2 (%)	0.33200 %
pH(1.0 g in 10 mL H <sub>2</sub> O)	4.7-6.2	4.97000
Assay(Perchloric acid titration, calc. on anhydrous substance)	98.5-101.5 (%)	101.50000 %
Specific Rotation [α] <sub>20</sub> /D(c=80mg/mL in 6M HCl)	21.4-23.6 (°)	21.41000 °
Chromatographic purity(Individual impurities)	0-0.5 (%)	0.33000 %
Loss on drying	0-0.2 (%)	0.00 %
Appearance(L274353)	white crystalline powder	white crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager