

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **L-(+)-Lysine Monohydrochloride**  
 Specifications & Purity: **Ultra pure, ≥99.5%(AT)**  
 SKU #: **L113005**

Parameter	Limit Values
Strontium(Sr)	0-5 (ppm)
Specific Rotation [α] <sub>20</sub> /D(c=5 in 5 M HCl)	20-21 (°)
(Pb)Lead	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
foreign amino acids	0-0.3 (%)
Chrome(Cr)	0-5 (ppm)
Loss on drying	0-0.5 (%)
Ammonia (NH <sub>4</sub> )	0-100 (ppm)
UV Absorbance 280nm	0-0.1
Lithium(Li)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-100 (ppm)
(As)Arsenic	0-0.1 (ppm)
Manganese(Mn)	0-5
Aluminum(Al)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Bismuth(Bi)	0-5 (ppm)
UV Absorbance 260nm	0-0.1
pH	5-6
Zinc(Zn)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Nickel(Ni)	0-5 (ppm)
Sodium(Na)	0-50 (ppm)
Cadmium(Cd)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Calcium(Ca)	0-10 (ppm)
Purity (Argentmetric Titration)	99.5-100 (%)
Appearance (L113005)	White Powder or Crystals
Carbon NMR Spectrum	Conforms to Structure

---

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

**Parameter**

Infrared spectrum

Insoluble matter

Solubility in H<sub>2</sub>O , soluble , 1M , 20°C, clear, colorless

λ, 0.5 M in H<sub>2</sub>O

**Limit Values**

Conforms to Structure

pass

pass

Pass