

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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] ₂₀ /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 ₄)	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 ₄ ²⁻)	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 (%)

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Tax ID: 91310000685518645K

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Parameter

Appearance (L113005)
Carbon NMR Spectrum
Infrared spectrum
Insoluble matter
Solubility in H₂O , soluble , 1M , 20°C, clear, colorless
λ, 0.5 M in H₂O

Limit Values

White Powder or Crystals
Conforms to Structure
Conforms to Structure
pass
pass
Pass

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