

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Isoleucine**
 Specifications & Purity: **UltraBio™, ≥99.5%(NT)**
 SKU #: **L755616**

Parameter	Limit Values
Appearance(L755616)	White to Almost white powder to crystal
Purity(NonaqueousTitration)	99.5-101.5 (%)
Infrared spectrum	Conforms to Structure
Solubility :0.5 g in10 ml 1M HCl , Colorless Clear	pass
Ignition Residue	0-0.05 (%)
Specific Rotation [α] ₂₀ /D(c=5 in 6mol/L HCl)	40-42 (°)
Chloride Content	0-100 (ppm)
Ammonium(NH ₄)	0-100 (ppm)
Sulfate(SO ₄ ²⁻)	0-100 (ppm)
Iron(Fe)	0-5 (ppm)
Lead(Pb)	0-5 (ppm)
Arsenic(As)	0-0.1 (ppm)
Aluminum(Al)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Calcium(Ca)	0-10 (ppm)
Cadmium(Cd)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
Chromium(Cr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Lithium(Li)	0-5 (ppm)
Magnesium (Mg)	0-5 (ppm)
Manganese(Mn)	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Sodium(Na)	0-50 (ppm)
Nickel(Ni)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
UV Absorbance 260 nm(1 M in 1 M HCl)	≤0.07
UV Absorbance 280 nm(1 M in 1 M HCl)	≤0.05