

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Alanine**
 Specifications & Purity: **UltraBio™, Ultra pure, ≥99.5%(NT)**
 SKU #: **L432936**

Parameter	Limit Values
Appearance(L432936)	Colorless to white powder or crystals and/or chunks
Purity(NonaqueousTitration)	99.5-102.5 (%)
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	13-15 (°)
Insoluble matter	0-0.3 (%)
Residue on Ignition	0-0.05 (%)
Solubility in H ₂ O	Almost transparency
Chloride (Cl ⁻)	0-50 (ppm)
Sulfate(SO ₄ ²⁻)	0-50 (ppm)
Aluminum(Al)	0-5 (ppm)
Arsenic(As)	0-0.1 (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)
Iron(Fe)	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)
NH ₄ ⁺	0-100 (ppm)
Sodium(Na)	0-50 (ppm)
Nickel(Ni)	0-5 (ppm)
Lead(Pb)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
λ: 260 nm Amax	0-0.03
λ: 280 nm Amax	0-0.02
Infrared spectrum	Conforms to Structure