

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **L-Valine**
 Specifications & Purity: **UltraBio™, ≥99.5%(NT)**
 SKU #: **L755656**

Parameter	Limit Values
Appearance(L755656)	White powder or crystals
Purity((NT)	99.5-100.5 (%)
Infrared spectrum	Conforms to Structure
specific rotation $[\alpha]_{20/D}(c=5 \text{ in } 5M \text{ HCl})$	26.5-27.5 (°)
Residue on ignition(Ash)	0-0.05 (%)
Chloride (Cl-)	0-50 (ppm)
Sulfate(SO42-)	0-50 (ppm)
Aluminium(Al)	0-5 (ppm)
Arsenic(As)	0-0.1 (ppm)
Barium(Ba)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
Calcium(Ca)	0-50 (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)
NH4+	0-150 (ppm)
Sodium(Na)	0-100 (ppm)
Nickel(Ni)	0-5 (ppm)
Lead(Pb)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)