

Specification Sheet

Product Name: **L-Histidine**
 Specifications & Purity: **UltraBio™, ≥99.5%(NT)**
 SKU #: **L755708**

Parameter	Limit Values
Appearance(L755708)	White powder or crystals
Infrared spectrum	Conforms to Structure
Assay(Nonaqueous Titration)	99.5-100 (%)
Specific Rotation [α] ₂₀ /D(c=2% in H ₂ O)	-40~-38 (°)
Loss on drying(110°C)	0-0.5 (%)
Ignition residue(as SO ₄)	0-0.1 (%)
pH(25 °C,0.1 M in H ₂ O)	7.0-8.0
Solubility(20°C 0.1 M in H ₂ O,clear,colorless)	Conforms
UV Absorbance 260nm(0.1 M in H ₂ O)	0-0.05
UV Absorbance 280nm(0.1 M in H ₂ O)	0-0.05
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 ⁺	0-500 (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)
Chloride (Cl ⁻)	0-100 (ppm)



ALADDIN SCIENTIFIC CORPORATION

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Parameter

Sulfate(SO₄²⁻)

Limit Values

0-100 (ppm)