

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **L-Histidine monohydrate monohydrochloride**  
 Specifications & Purity: Ultra pure, Moligand™, ≥99.5%(AT)  
 SKU #: **H106212**

Parameter	Limit Values
Iron(Fe)	0-10 (ppm)
Nickel(Ni)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
Zinc(Zn)	0-5 (ppm)
UV Absorbance 280nm	0-0.05 (nm)
Purity (Argentometric Titration)	99.5-100 (%)
Cadmium(Cd)	0-5 (ppm)
Specific Rotation [α] <sub>20</sub> /D(c=5 in 5 M HCl)	9-10 (°)
Sodium(Na)	0-50 (ppm)
Ammonia (NH <sub>4</sub> )	0-500 (ppm)
Aluminum(Al)	0-5 (ppm)
Manganese(Mn)	0-5
Ignition Residue (as sulfate)	0-0.1 (%)
Loss on drying	0-0.2 (%)
(As)Arsenic	<1(ppm)
Magnesium (Mg)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Chloride Content	16.7-17.1 (%)
Chromium(Cr)	0-10 (ppm)
Strontium(Sr)	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Bismuth(Bi)	0-5 (ppm)
pH	3-4
(Pb)Lead	<10(ppm)
Cobalt (Co)	0-5 (ppm)
UV Absorbance 260nm	0-0.05 (nm)
Copper(Cu)	0-5 (ppm)
Appearance (H106212)	White crystals or crystalline powder
Infrared spectrum	Conforms to Structure
Solubility in H <sub>2</sub> O , soluble , 1M , 20°C, clear, colorless	pass
λ,0.5 M in H <sub>2</sub> O	Pass

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**Parameter**

Sulfate(SO42-)

**Limit Values**

< 0.02 (%)