

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-08 16:05:51
 Date of Next Testing: 2030-05-07 16:05:51
 Product Name: **L-Histidine monohydrate monohydrochloride**
 CAS Number: 5934-29-2
 Specifications & Purity: Ultra pure, Moligand™, ≥99.5%(AT)
 Lot #: E2607408
 SKU #: **H106212**
 Version: **1**
 Analysis #: **697009**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.03700 ppm
Potassium(K)	0-50 (ppm)	0.04500 ppm
Zinc(Zn)	0-5 (ppm)	0.03250 ppm
UV Absorbance 280nm	0-0.05 (nm)	0.00125 nm
Cadmium(Cd)	0-5 (ppm)	0.19700 ppm
Sodium(Na)	0-50 (ppm)	0.35258 ppm
Ammonia (NH4)	0-500 (ppm)	0.25200 ppm
Aluminum(Al)	0-5 (ppm)	0.02520 ppm
Manganese(Mn)	0-5	0.32500
Ignition Residue (as sulfate)	0-0.1 (%)	0.00100 %
Loss on drying	0-0.2 (%)	0.01460 %
(As)Arsenic	<1(ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.52500 ppm
Lithium(Li)	0-5 (ppm)	0.01360 ppm
Barium(Ba)	0-5 (ppm)	0.00200 ppm
Chromium(Cr)	0-10 (ppm)	0.14800 ppm
Strontium(Sr)	0-5 (ppm)	0.32580 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00280 ppm
Bismuth(Bi)	0-5 (ppm)	0.15200 ppm
pH	3-4	3.53600
(Pb)Lead	<10(ppm)	0.25200 ppm
Cobalt(Co)	0-5 (ppm)	0.10500 ppm
UV Absorbance 260nm	0-0.05 (nm)	0.00050 nm
Copper(Cu)	0-5 (ppm)	0.25580 ppm

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Parameter	Limit Values	Result
Sulfate(SO ₄ ²⁻)	< 0.02 (%)	0.00420 %
Purity (Argentmetric Titration)	99.5-100 (%)	99.51000 %
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	9-10 (°)	9.93000 °
Chloride Content	16.7-17.1 (%)	17.08000 %
Appearance (H106212)	White crystals or crystalline powder	White crystals or crystalline powder
Solubility in H ₂ O , soluble , 1M , 20°C, clear, colorless	pass	Pass
λ, 0.5 M in H ₂ O	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager