

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-01-17 10:52:58
 Date of Next Testing: 2026-01-16 10:52:58
 Product Name: **L-Histidine monohydrate monohydrochloride**
 CAS Number: 5934-29-2
 Specifications & Purity: Ultra pure, Moligand™, ≥99.5%(AT)
 Lot #: A2214519
 SKU #: **H106212**
 Version: **1**
 Analysis #: **060997**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Iron(Fe)	0-5 (ppm)	3.10200 ppm
Nickel(Ni)	0-5 (ppm)	3.25000 ppm
Potassium(K)	0-50 (ppm)	8.02100 ppm
Zinc(Zn)	0-5 (ppm)	2.19000 ppm
UV Absorbance 280nm	0-0.05 (nm)	0.02500 nm
Purity (Argentometric Titration)	99.5-100 (%)	99.60000 %
Cadmium(Cd)	0-5 (ppm)	1.03000 ppm
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	9-10 (°)	9.00000 °
Sodium(Na)	0-50 (ppm)	6.52000 ppm
Ammonia (NH ₄)	0-500 (ppm)	203.60000 ppm
Aluminum(Al)	0-5 (ppm)	3.64000 ppm
Manganese(Mn)	0-5	2.05100
Ignition Residue (as sulfate)	0-0.1 (%)	0.03000 %
Sulfate(SO ₄ ²⁻)	0-100 (ppm)	85.36000 ppm
Loss on drying	0-0.2 (%)	0.10000 %
(As)Arsenic	0-0.1 (ppm)	0.03200 ppm
Magnesium(Mg)	0-5 (ppm)	3.26300 ppm
Lithium(Li)	0-5 (ppm)	2.18500 ppm
Barium(Ba)	0-5 (ppm)	3.52000 ppm
Chloride Content	16.7-17.1 (%)	16.90000 %
Chromium(Cr)	0-5 (ppm)	2.54000 ppm
Strontium(Sr)	0-5 (ppm)	3.18000 ppm
Molybdenum(Mo)	0-5 (ppm)	3.25600 ppm
Bismuth(Bi)	0-5 (ppm)	3.50000 ppm
pH	3-4	3.80000

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(Pb)Lead	0-5 (ppm)	2.58100 ppm
Cobalt(Co)	0-5 (ppm)	3.10100 ppm
UV Absorbance 260nm	0-0.05 (nm)	0.03000 nm
Copper(Cu)	0-5 (ppm)	3.63000 ppm
Appearance (H106212)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , soluble , 1M , 20°C, clear, colorless λ,0.5 M in H2O	pass Pass	Pass Pass



John Su
QA & QC Manager