

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-14 12:02:08

Date of Next Testing: 2028-10-13 12:02:08

Product Name: **L-Histidine monohydrate monohydrochloride**

CAS Number: 5934-29-2

Specifications & Purity: Ultra pure, Moligand™, ≥99.5%(AT)

Lot #: A2104088

SKU #: **H106212**

Version: **1**

Analysis #: **419324**

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)	2.67000 ppm
Potassium(K)	0-50 (ppm)	17.98000 ppm
Zinc(Zn)	0-5 (ppm)	2.29600 ppm
UV Absorbance 280nm	0-0.05 (nm)	0.01380 nm
Purity (Argentmetric Titration)	99.5-100 (%)	99.77800 %
Cadmium(Cd)	0-5 (ppm)	1.49600 ppm
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	9-10 (°)	9.96000 °
Sodium(Na)	0-50 (ppm)	23.98600 ppm
Ammonia (NH ₄)	0-500 (ppm)	189.98000 ppm
Aluminum(Al)	0-5 (ppm)	1.59800 ppm
Manganese(Mn)	0-5	1.59600
Ignition Residue (as sulfate)	0-0.1 (%)	0.02780 %
Loss on drying	0-0.2 (%)	0.11800 %
(As)Arsenic	<1(ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	1.09800 ppm
Lithium(Li)	0-5 (ppm)	2.49800 ppm
Barium(Ba)	0-5 (ppm)	2.49800 ppm
Chloride Content	16.7-17.1 (%)	16.90500 %
Chromium(Cr)	0-10 (ppm)	1.89000 ppm
Strontium(Sr)	0-5 (ppm)	1.19800 ppm
Molybdenum(Mo)	0-5 (ppm)	2.19600 ppm
Bismuth(Bi)	0-5 (ppm)	1.78000 ppm
pH	3-4	3.50000
(Pb)Lead	<10(ppm)	1.47000 ppm

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Parameter	Limit Values	Result
Cobalt(Co)	0-5 (ppm)	1.38000 ppm
UV Absorbance 260nm	0-0.05 (nm)	0.01890 nm
Copper(Cu)	0-5 (ppm)	1.59600 ppm
Sulfate(SO42-)	< 0.02 (%)	0.00350 %
Appearance (H106212)	White crystals or crystalline powder	White crystals or crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , soluble , 1M , 20°C, clear, colorless	pass	Pass
λ,0.5 M in H2O	Pass	Pass



John Su
QA & QC Manager