

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-02 16:11:27  
 Date of Next Testing: 2029-04-01 16:11:27  
 Product Name: **L-Histidine monohydrate monohydrochloride**  
 CAS Number: 5934-29-2  
 Specifications & Purity: Ultra pure, Moligand™, ≥99.5%(AT)  
 Lot #: C2528409  
 SKU #: **H106212**  
 Version: **1**  
 Analysis #: **453955**  
 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)	0.32500 ppm
Potassium(K)	0-50 (ppm)	0.83200 ppm
Zinc(Zn)	0-5 (ppm)	0.01500 ppm
UV Absorbance 280nm	0-0.05 (nm)	0.00010 nm
Cadmium(Cd)	0-5 (ppm)	0.01520 ppm
Specific Rotation [α] <sub>20</sub> /D(c=5 in 5 M HCl)	9-10 (°)	9.88000 °
Sodium(Na)	0-50 (ppm)	0.55400 ppm
Ammonia (NH <sub>4</sub> )	0-500 (ppm)	0.36400 ppm
Aluminum(Al)	0-5 (ppm)	0.01200 ppm
Manganese(Mn)	0-5	0.25200
Ignition Residue (as sulfate)	0-0.1 (%)	0.00100 %
Loss on drying	0-0.2 (%)	0.01060 %
(As)Arsenic	<1(ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.03600 ppm
Lithium(Li)	0-5 (ppm)	0.21400 ppm
Barium(Ba)	0-5 (ppm)	0.01200 ppm
Chloride Content	16.7-17.1 (%)	16.91000 %
Chromium(Cr)	0-10 (ppm)	0.53200 ppm
Strontium(Sr)	0-5 (ppm)	0.03620 ppm
Molybdenum(Mo)	0-5 (ppm)	0.02100 ppm
Bismuth(Bi)	0-5 (ppm)	0.05100 ppm
pH	3-4	3.63800
(Pb)Lead	<10(ppm)	0.31450 ppm
Cobalt(Co)	0-5 (ppm)	0.02400 ppm

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Parameter	Limit Values	Result
UV Absorbance 260nm	0-0.05 (nm)	0.00120 nm
Copper(Cu)	0-5 (ppm)	0.00100 ppm
Sulfate(SO42-)	< 0.02 (%)	0.00000 %
Purity (Argentometric Titration)	99.5-100 (%)	99.93000 %
Appearance (H106212)	White crystals or crystalline powder	White crystals or crystalline powder
Solubility in H2O , soluble , 1M , 20°C, clear, colorless	pass	Pass
$\lambda$ ,0.5 M in H2O	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager