

## Certificate of Analysis

Date of Testing: 2022-01-17 10:44:31

Date of Next Testing: 2026-01-16 10:44:31

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

CAS Number: 5934-29-2

Specifications & Purity: 99%

Lot #: A2214493

SKU #: **H106210**

**Analysis: 067465**

Parameter	Limit Values	Result
Sulfate(SO42-)	0-200 (ppm)	135.69 ppm
Other amino acids	0-0.5 (%)	0.25 %
Sulfate Ash	0-0.1 (%)	0.02 %
Ammonia (NH4)	0-100 (ppm)	50.20 ppm
Heavy metal (as Pb)	0-10 (ppm)	1.97 ppm
PH	3-5	3.80
Iron(Fe)	0-10 (ppm)	5.85 ppm
Specific Rotation [α] <sub>20</sub> /D(c=11 in 6N HCl)	9-10.3 (°)	9.50°
Loss on drying	0-2 (%)	1.00 %
Purity(HPLC)	99-100 (%)	99.38900 %
Appearance (H106210)	white crystal or crystal powder	white crystal or crystal powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Solution transparent	pass	Pass



John Su  
QA & QC Manager