

Certificate of Analysis

Date of Testing: 2025-09-03 14:26:37

Date of Next Testing: 2029-09-02 14:26:37

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

CAS Number: 5934-29-2

Specifications & Purity: Animal Free, USP, JP, Ph.Eur., for cell culture, Moligand™, ≥98.5%

Lot #: H2525449

SKU #: **H106211**

Version: **1**

Analysis #: **550576**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Endonuclease Detection	0-0.1 (EU/g)	0.05 EU/g
Heavy metal (as Pb)	0-10 (ppm)	5.10 ppm
Ignition Residue (as sulfate)	0-0.1 (%)	0.04 %
Iron(Fe)	0-10 (ppm)	3.80 ppm
Sulfate(SO42-)	0-0.02 (%)	0.01 %
(As)Arsenic	0-1 (ppm)	0.50 ppm
Ammonia (NH4)	0-0.02 (%)	0.01 %
Assay	98.5-101 (%)	100.00 %
Chloride	16.66-17.08 (%)	17.07 %
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	9-10 (°)	9.97 °
Appearance (H106211)	white crystalline powder	white crystalline powder
Ninhydrin-positive substances (other amino acids)	Conforms	Conforms
Origin	non-animal source	non-animal source
Residual solvents	complies	complies
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager