

## Certificate of Analysis

Date of Testing:	2025-05-12 16:33:22
Date of Next Testing:	2029-05-11 16:33:22
Product Name:	<b>L-Histidine monohydrate monohydrochloride</b>
CAS Number:	5934-29-2
Specifications & Purity:	Animal Free, Ph.Eur., JP, USP, for cell culture, ≥98.5%
Lot #:	G2128097
SKU #	<b>H106211</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>509076</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Endonuclease Detection	0-0.1 (EU/g)	0.03 EU/g
Heavy metal (as Pb)	0-10 (ppm)	8.86 ppm
Ignition Residue (as sulfate)	0-0.1 (%)	0.05 %
Iron(Fe)	0-10 (ppm)	8.77 ppm
Sulfate(SO42-)	0-0.02 (%)	0.00 %
(As)Arsenic	0-1 (ppm)	0.54 ppm
Chloride	16.66-17.08 (%)	16.78 %
Ammonia (NH4)	0-0.02 (%)	0.01 %
Assay	98.5-101 (%)	99.60 %
Specific Rotation [α] <sub>20</sub> /D(c=5 in 5 M HCl)	9-10 (°)	9.20°
Appearance (H106211)	white crystalline powder	white crystalline powder
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms	Conforms
Origin	non-animal source	non-animal source
Residual solvents	complies	complies



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

John Su  
QA & QC Manager