

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-03-13 10:38:42
Date of Next Testing:	2028-03-12 10:38:42
Product Name:	L-Histidine
CAS Number:	71-00-1
Specifications & Purity:	EP,USP ,from non-animal source,for cell culture
Lot #:	C2409166
SKU #	H108261
Analysis:	323242
Storage Temperature:	Store at 2-8°C,Protected from light

Parameter	Limit Values	Result
PH test	7-8.5	7.57
Ammonia (NH ₄)	0-0.02 (%)	0.01 %
Specific Rotation [α] ₂₀ /D(c=11 in 6M HCl/EP)	12-12.8 (°)	12.01 °
Loss on drying	0-0.2 (%)	0.13 %
Chloride	0-0.02 (%)	0.01 %
Specific Rotation [α] ₂₅ /D(c=11 in 6M HCl/USP)	12.6-14 (°)	12.61 °
(As)Arsenic	0-1 (ppm)	0.36 ppm
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.01 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00 %
Heavy metal (as Pb)	0-10 (ppm)	1.08 ppm
Endonuclease Detection	0-0.1 (EU/g)	0.06 EU/g
Iron(Fe)	0-10 (ppm)	0.00 ppm
Assay	98.5-100 (%)	99.61 %
Appearance (h108261)	White to Off-White Powder	White to Off-White Powder
Ninhydrin-positive substances (other amino acids)	Conforms	Conforms
Origin	non-animal source	non-animal source
Residual solvents	complies	complies
Solubility in H ₂ O , Colorless solution 0.5G/10MLwater	pass	Pass
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager