

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2024-03-13 12:52:53
Date of Next Testing: 2028-03-12 12:52:53
Product Name: **L-Histidine**
CAS Number: 71-00-1
Specifications & Purity: Animal Free, USP, Moligand™, Ph.Eur., for cell culture
Lot #: C2409167
SKU #: **H108261**
Version: **1**
Analysis #: **323242**
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
PH test	7-8.5	7.57000
Ammonia (NH ₄)	0-0.02 (%)	0.00500 %
Specific Rotation [α] ₂₀ /D(c=11 in 6M HCl/EP)	12-12.8 (°)	12.00900 °
Loss on drying	0-0.2 (%)	0.12800 %
Chloride	0-0.02 (%)	0.01000 %
Specific Rotation [α] ₂₅ /D(c=11 in 6M HCl/USP)	12.6-14 (°)	12.60700 °
(As)Arsenic	0-1 (ppm)	0.36000 ppm
Sulfate(SO ₄ ²⁻)	0-0.02 (%)	0.01200 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.00200 %
Heavy metal (as Pb)	0-10 (ppm)	1.08000 ppm
Endonuclease Detection	0-0.1 (EU/g)	0.06000 EU/g
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Assay	98.5-100 (%)	99.60500 %
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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