

Certificate of Analysis

Date of Testing: 2022-07-28 16:22:52

Date of Next Testing: 2026-07-27 16:22:52

Product Name: **L-Histidine**

CAS Number: 71-00-1

Specifications & Purity: $\geq 99\%$

Lot #: G2223179

SKU #: **H108260**

Analysis: 101344

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.55200%
Specific Rotation $[\alpha]_{20/D}(c=11 \text{ in } 6\text{mol/L HCl})$	12-14 ($^{\circ}$)	12.71 $^{\circ}$
Carbon by Elemental Analysis	45.9-47.4 (%)	47.10%
Nitrogen by Elemental Analysis	26.8-27.3 (%)	27.26%
Appearance (H108260)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.5 M HCl , Colorless,Clear at 50 mg/ml	pass	Pass



John Su
QA & QC Manager