

Certificate of Analysis

Date of Testing: 2024-05-31 11:11:30
Date of Next Testing: 2028-05-30 11:11:30
Product Name: **L-Histidine**
CAS Number: 71-00-1
Specifications & Purity: $\geq 99\%$
Lot #: E2429095
SKU #: **H108260**
Version: **0**
Analysis #: **335509**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=11 \text{ in } 6\text{mol/L HCl})$	12-14 ($^{\circ}$)	12.31 $^{\circ}$
Nitrogen by Elemental Analysis	26.8-27.3 (%)	26.83%
Carbon by Elemental Analysis	45.9-47.4 (%)	45.95%
Purity(HPLC)	99-100 (%)	99.54000%
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