

Certificate of Analysis

Date of Testing: 2024-09-24 11:05:20
Date of Next Testing: 2028-09-23 11:05:20
Product Name: **L-Histidine**
CAS Number: 71-00-1
Specifications & Purity: $\geq 99\%$
Lot #: I2412431
SKU #: **H108260**
Version: **0**
Analysis #: **404399**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.36600%
Specific Rotation $[\alpha]_{20/D(c=11 \text{ in } 6\text{mol/L HCl})}$	12-14 ($^{\circ}$)	12.71 $^{\circ}$
Nitrogen by Elemental Analysis	26.8-27.3 (%)	27.08%
Carbon by Elemental Analysis	45.9-47.4 (%)	46.33%
Appearance (H108260)	White to Off-White Powder	White to Off-White Powder
Solubility in 0.5 M HCl , Colorless,Clear at 50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager