

## Certificate of Analysis

Date of Testing: 2024-05-29 13:52:12  
Date of Next Testing: 2028-05-28 13:52:12  
Product Name: **L-Histidine**  
CAS Number: 71-00-1  
Specifications & Purity:  $\geq 99\%$   
Lot #: E2428508  
SKU #: **H108260**  
Version: **0**  
Analysis #: **354875**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.36900%
Specific Rotation $[\alpha]_{20/D(c=11 \text{ in } 6\text{mol/L HCl})}$	12-14 ( $^{\circ}$ )	12.27 $^{\circ}$
Nitrogen by Elemental Analysis	26.8-27.3 (%)	27.00%
Carbon by Elemental Analysis	45.9-47.4 (%)	46.25%
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