

## Certificate of Analysis

Date of Testing: 2023-02-14 15:35:03

Date of Next Testing: 2027-02-13 15:35:03

Product Name: **L-Histidine**

CAS Number: 71-00-1

Specifications & Purity:  $\geq 99\%$

Lot #: B2307631

SKU #: **H108260**

**Analysis: 158029**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.38800%
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 (%)	27.01%
Carbon by Elemental Analysis	45.9-47.4 (%)	46.42%
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