

Certificate of Analysis

Date of Testing: 2024-09-26 14:54:01
Date of Next Testing: 2028-09-25 14:54:01
Product Name: **L-Histidine**
CAS Number: 71-00-1
Specifications & Purity: $\geq 99\%$
Lot #: I2418305
SKU #: **H108260**
Version: **0**
Analysis #: **415146**

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.87700%
Specific Rotation $[\alpha]_{20/D}(c=11 \text{ in } 6\text{mol/L HCl})$	12-14 ($^{\circ}$)	13.05 $^{\circ}$
Nitrogen by Elemental Analysis	26.8-27.3 (%)	27.06 %
Carbon by Elemental Analysis	45.9-47.4 (%)	46.32 %
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