

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-25 14:24:50

Date of Next Testing: 2027-07-24 14:24:50

Product Name: **L-Histidine**

CAS Number: 71-00-1

Specifications & Purity: $\geq 99\%$

Lot #: G2320786

SKU #: **H108260****Analysis: 255632**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.58000 %
Specific Rotation $[\alpha]_{20/D}(c=11 \text{ in } 6\text{mol/L HCl})$	12-14 ($^{\circ}$)	12.54 $^{\circ}$
Nitrogen by Elemental Analysis	26.8-27.3 (%)	27.08 %
Carbon by Elemental Analysis	45.9-47.4 (%)	46.34 %
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