

Certificate of Analysis

Date of Testing: 2024-11-15 14:47:54
Date of Next Testing: 2028-11-14 14:47:54
Product Name: **L-Histidine**
CAS Number: 71-00-1
Specifications & Purity: Moligand™, ≥99%
Lot #: K2413278
SKU #: **H108260**
Version: **0**
Analysis #: **428156**

| Parameter | Limit Values | Result |
|------------------------------------------------------------|---------------------------|---------------------------|
| Purity(HPLC) | 99-100 (%) | 100.00000 % |
| Nitrogen by Elemental Analysis | 26.8-27.3 (%) | 27.06 % |
| Carbon by Elemental Analysis | 45.9-47.4 (%) | 46.22 % |
| Specific Rotation [α] ₂₀ /D(c=11 in 6mol/L HCl) | 12-14 (°) | 12.10° |
| 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