

## Certificate of Analysis

Date of Testing: 2025-05-20 14:01:21

Date of Next Testing: 2027-05-20 14:01:21

Product Name: **L-Histidinol dihydrochloride**

CAS Number: 1596-64-1

Specifications & Purity:  $\geq 98\%$

Lot #: H2309707

SKU #: **S132263**

Version: **0**

Analysis #: **511218**

Storage Temperature: Store at 2-8°C

| Parameter                                                                 | Limit Values              | Result                    |
|---------------------------------------------------------------------------|---------------------------|---------------------------|
| Carbon by Elemental Analysis                                              | 32.5-34.1 (%)             | 33.20 %                   |
| Purity(HPLC)                                                              | 98-100 (%)                | 99.90000 %                |
| Nitrogen by Elemental Analysis                                            | 18.7-20.1 (%)             | 19.33 %                   |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$           | -3--2.2 (°)               | -2.80 °                   |
| Appearance (S132263)                                                      | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                                       | Conforms to Structure     | Conforms to Structure     |
| Solubility, Colorless to faint yellow, clear (50 mg/mL, H <sub>2</sub> O) | pass                      | Pass                      |



John Su  
QA & QC Manager