

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-20 17:10:01

Date of Next Testing: 2028-12-19 17:10:01

Product Name: **L-Histidine monohydrate monohydrochloride**

CAS Number: 5934-29-2

Specifications & Purity: Moligand™, ≥99%

Lot #: L2418587

SKU #: **H106210**

Version: **0**

Analysis #: **453133**

Storage Temperature: Room temperature

| Parameter                                              | Limit Values                    | Result                          |
|--------------------------------------------------------|---------------------------------|---------------------------------|
| Sulfate(SO42-)                                         | 0-200 (ppm)                     | 180.00000 ppm                   |
| Other amino acids                                      | 0-0.5 (%)                       | 0.20000 %                       |
| Sulfate Ash                                            | 0-0.1 (%)                       | 0.04000 %                       |
| Ammonia (NH4)                                          | 0-500 (ppm)                     | 200.00000 ppm                   |
| Heavy metal (as Pb)                                    | 0-10 (ppm)                      | 8.00000 ppm                     |
| pH                                                     | 3-5                             | 3.90000                         |
| Iron(Fe)                                               | 0-10 (ppm)                      | 8.00000 ppm                     |
| Specific Rotation [α] <sub>20</sub> /D(c=11 in 6N HCl) | 9-10.3 (°)                      | 9.20000 °                       |
| Loss on drying                                         | 0-2 (%)                         | 0.08000 %                       |
| Purity(HPLC)                                           | 99-100 (%)                      | 99.20000 %                      |
| Appearance (H106210)                                   | white crystal or crystal powder | white crystal or crystal powder |
| Infrared spectrum                                      | Conforms to Structure           | Conforms to Structure           |
| Solubility in H2O , Solution transparent               | pass                            | Pass                            |



John Su  
QA & QC Manager