

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-21 13:26:02  
 Date of Next Testing: 2028-10-20 13:26:02  
 Product Name: **D-Histidine Methyl Ester Dihydrochloride**  
 CAS Number: 4467-54-3  
 Specifications & Purity:  $\geq 97\%$ (N)  
 Lot #: C2017182  
 SKU #: **S161275**  
 Version: **0**  
 Analysis #: **590679**  
 Storage Temperature: Argon charged

| Parameter                                                 | Limit Values          | Result                |
|-----------------------------------------------------------|-----------------------|-----------------------|
| Purity(with Total Nitrogen)                               | 97-100 (%)            | 97.15 %               |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } H_2O)$ | -11--7 (°)            | -9.20 °               |
| Proton NMR spectrum                                       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager