

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-22 11:54:52

Date of Next Testing: 2026-08-22 11:54:52

Product Name: **3-N-Methyl-L-histidine**

CAS Number: 368-16-1

Specifications & Purity:  $\geq 98\%$

Lot #: K2201593

SKU #: **N137204**

Version: **2**

Analysis #: **402846**

Storage Temperature: Room temperature

| Parameter                                                              | Limit Values              | Result                    |
|------------------------------------------------------------------------|---------------------------|---------------------------|
| Nitrogen by Elemental Analysis (anhydrous)                             | 24.3-25.3 (%)             | 24.30000 %                |
| Carbon by Elemental Analysis(anhydrous)                                | 48.7-50.7 (%)             | 48.70000 %                |
| Water by Karl Fischer                                                  | 0-16 (%)                  | 10.10000 %                |
| Purity(HPLC)                                                           | 98-100 (%)                | 99.50000 %                |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 6 \text{ M HCl})$   | 9-10 ( $^{\circ}$ )       | 9.90000 $^{\circ}$        |
| Appearance (N137204)                                                   | White to Off-White Powder | White to Off-White Powder |
| Solubility,Colorless to faint yellow,clear(50 mg/mL, H <sub>2</sub> O) | pass                      | Pass                      |
| Proton NMR spectrum                                                    | Conforms to structure     | Conforms to Structure     |



John Su  
QA & QC Manager