

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-04 14:16:09

Date of Next Testing: 2028-01-04 14:16:09

Product Name: **N-Methyl-D-aspartic acid(NMDA)**

CAS Number: 6384-92-5

Specifications & Purity: Moligand™, ≥98%

Lot #: L2518498

SKU #: **N129532**

Version: **0**

Analysis #: **614887**

Storage Temperature: Store at -20°C

| Parameter                                                                       | Limit Values          | Result                |
|---------------------------------------------------------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer                                                           | 0-11 (%)              | 10.23520 %            |
| Purity (Titration by NaOH)                                                      | 86-100 (%)            | 95.20000 %            |
| Purity(HPLC)                                                                    | 98-100 (%)            | 99.07700 %            |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in 6N HCl)                           | -30--26 (°)           | -27.79600 °           |
| Carbon by Elemental Analysis(anhydrous)                                         | 39.8-41.9 (%)         | 40.26000 %            |
| Nitrogen by Elemental Analysis (anhydrous)                                      | 9.3-9.8 (%)           | 9.47000 %             |
| Appearance (N129532)                                                            | White powder          | White powder          |
| Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O | pass                  | Pass                  |
| Infrared spectrum                                                               | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager