

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-17 11:57:10

Date of Next Testing: 2027-05-16 11:57:10

Product Name: **D-Methionine**

CAS Number: 348-67-4

Specifications & Purity:  $\geq 99\%$ 

Lot #: E23101081

SKU #: **M109223**

Version: **2**

Analysis #: **151695**

Storage Temperature: Store at 2-8°C

| Parameter                                                                            | Limit Values          | Result                |
|--------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Nitrogen by Elemental Analysis                                                       | 9.1-9.7 (%)           | 9.44700 %             |
| Carbon by Elemental Analysis                                                         | 39.1-41.3 (%)         | 40.01700 %            |
| Purity(HPLC)                                                                         | 99-100 (%)            | 99.11500 %            |
| Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } 2N \text{ HCl})}$                  | -25 ~ -21 (°)         | -21.03000 °           |
| Assay(Nonaqueous Titration)                                                          | 99-102.5 (%)          | 99.01200 %            |
| Appearance (m109223)                                                                 | white powder          | White powder          |
| Solubility in H <sub>2</sub> O, Colorless and clear or almost transparency, 50 mg/mL | Pass                  | Pass                  |
| Infrared spectrum                                                                    | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager