

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-01 17:11:38

Date of Next Testing: 2027-02-28 17:11:38

Product Name: **L-Asparagine**

CAS Number: 70-47-3

Specifications & Purity: 98%

Lot #: B2324090

SKU #: **A105949****Analysis: 126121**

Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|--------------------------------|--------------------------------|
| Water by Karl Fischer | 0-1 (%) | 0.12 % |
| Purity(HPLC) | 98-100 (%) | 99.39400 % |
| Specific Rotation [a] _D 20/D(c=13.2 in 1N HCl) | 27-31 (°) | 27.15 ° |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in 1 N HCl , Colorless,Clear,100 mg/ml | pass | Pass |
| Appearance (A105949) | white powder or chunk or solid | white powder or chunk or solid |

John Su
QA & QC Manager