

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-29 11:41:40

Date of Next Testing: 2027-07-28 11:41:40

Product Name: **D-Glutamic acid**

CAS Number: 6893-26-1

Specifications & Purity: 98%

Lot #: G2321427

SKU # **G100444****Analysis: 246009**

| Parameter | Limit Values | Result |
|---|---------------------------|---------------------------|
| Purity(NonaqueousTitration) | 97.5-102.5 (%) | 100.09 % |
| Specific Rotation [α] ₂₀ /D(c=5 in HCl(1+5)) | -33--30 (°) | -31.89° |
| Appearance (G100444) | White to Off-White Powder | White to Off-White Powder |
| Solubility in 0.5 M HCl , Colorless,Clear at 50 mg/ml | pass | Pass |
| Proton NMR spectrum | Conforms to structure | Conforms to Structure |

John Su
QA & QC Manager