

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-09 02:30:39

Date of Next Testing: 2027-03-08 02:30:39

Product Name: **L-Glutamic Acid 1-Methyl Ester**

CAS Number: 6384-08-3

Specifications & Purity:  $\geq 95\%$

Lot #: C2307393

SKU #: **G116980**

Version: **0**

Analysis #: **155293**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                       | Limit Values              | Result                    |
|-----------------------------------------------------------------|---------------------------|---------------------------|
| Purity(Nonaqueous Titration)                                    | 95-100 (%)                | 98.74000 %                |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$ | 34-37 (°)                 | 34.25900 °                |
| Appearance (g116980)                                            | White to Off-White Powder | White to Off-White Powder |
| Proton NMR spectrum                                             | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager