

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-10 17:39:32

Date of Next Testing: 2026-12-10 17:39:32

Product Name: **L-Glutamic acid 5-tert-butyl ester**

CAS Number: 2419-56-9

Specifications & Purity:  $\geq 98\%$

Lot #: B2318737

SKU #: **S135595**

Version: **0**

Analysis #: **446923**

Storage Temperature: Store at 2-8°C

| Parameter                                                 | Limit Values                                 | Result                                       |
|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } H_2O)}$ | 9-12 (°)                                     | 9.92°                                        |
| Purity(HPLC)                                              | 98-100 (%)                                   | 99.58000 %                                   |
| Appearance (S135595)                                      | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Proton NMR spectrum                                       | Conforms to Structure                        | Conforms to Structure                        |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager