

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-01 15:53:32  
 Date of Next Testing: 2028-03-31 15:53:32  
 Product Name: **L-Glutamic acid 5-tert-butyl ester**  
 CAS Number: 2419-56-9  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: C2624070  
 SKU #: **S135595**  
 Version: **0**  
 Analysis #: **417204**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                 | Limit Values                                 | Result                                       |
|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } H_2O)}$ | 9-12 (°)                                     | 9.42300 °                                    |
| Purity(HPLC)                                              | 98-100 (%)                                   | 99.46300 %                                   |
| 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                        |



John Su  
QA & QC Manager