

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-23 20:15:46
 Date of Next Testing: 2025-02-22 20:15:46
 Product Name: **L-Glutamic acid 5-tert-butyl ester**
 CAS Number: 2419-56-9
 Specifications & Purity: $\geq 98\%$
 Lot #: B2318695
 SKU #: **S135595**
 Version: **0**
 Analysis #: **184181**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } H_2O)}$	9-12 (°)	9.92600 °
Purity(HPLC)	98-100 (%)	99.58600 %
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