

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-18 11:33:26
 Date of Next Testing: 2024-04-17 11:33:26
 Product Name: **L-Glutamic acid 5-tert-butyl ester**
 CAS Number: 2419-56-9
 Specifications & Purity: $\geq 98\%$
 Lot #: G1825142
 SKU #: **S135595**
 Version: **0**
 Analysis #: **086951**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	9-12 (°)	11.00000 °
Purity(HPLC)	98-100 (%)	99.40000 %
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