

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-15 14:43:37
 Date of Next Testing: 2029-09-14 14:43:37
 Product Name: **L-Glutamic Acid 1-Benzyl Ester**
 CAS Number: 13030-09-6
 Specifications & Purity: $\geq 98\%$
 Lot #: L2101124
 SKU #: **G117189**
 Version: **0**
 Analysis #: **572440**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.73000 %
Purity(Nonaqueous Titration)	98-100 (%)	98.88200 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L HCl})$	10-12 ($^{\circ}$)	10.03400 $^{\circ}$
Appearance (G117189)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager