

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 #: L2101126

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 (%)	98.88 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1\text{mol/L HCl})$	10-12 ($^{\circ}$)	10.03 $^{\circ}$
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