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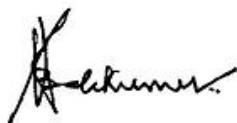
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	03057
Lot Number	000424-150601-10907
Product	L-Glutamic acid γ-benzyl ester L-Glu(OBzl)-OH L-Glutamic acid 5-benzyl ester
CAS Number	1676-73-9
Molecular Formula	C ₁₂ H ₁₅ NO ₄
Molecular Weight	237.3

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 6 mL AcOH)
Melting Point	155.6-156.5 °C
Optical Rotation	[α] _D ²⁰ = +20.1° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.56% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.80%
Storage	Store at 0-8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager