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Certificate of Analysis

Catalogue Number	01349
Lot Number	000424-211105-30603
Product	Boc-L-glutamic acid γ-benzyl ester Boc-L-Glu(OBzl)-OH
CAS Number	13574-13-5
Molecular Formula	C ₁₇ H ₂₃ NO ₆
Molecular Weight	337.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	64.4 - 65.4 °C
Water Content (Karl Fisher)	0.19%
Optical Rotation	[α] _D ²⁰ = -5 ° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.2% (30 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	99.64% (ee)
D-Enantiomer	0.3509%
Purity by HPLC	98.06%
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