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Certificate of Analysis

Catalogue Number	00573
Product	Z-L-glutamic acid α-benzyl ester
Lot Number	000424-180906-115011 Z-L-Glu-OBzl
CAS Number	3705-42-8
Molecular Formula	C ₂₀ H ₂₁ NO ₆
Molecular Weight	371.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml MeOH)
Melting Point	98.5 - 99.6 °C
Water Content (Karl Fisher)	0.21%
Optical Rotation	[α] _D ²⁰ = - 23.4 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.06% (40°C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.92% (ee)
D-Enantiomer	0.0779%
Purity by HPLC	99.42%
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