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Certificate of Analysis

Catalogue Number	41305
Lot Number	000424-220530-11534
Product	Z-D-glutamic acid α-tert-butyl ester Z-D-Glu-OtBu
CAS Number	20918-72-3
Molecular Formula	C ₁₇ H ₂₃ NO ₆
Molecular Weight	337.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL MeOH)
Melting Point	80.7 - 81.9 °C
Water Content (Karl Fisher)	0.12%
Optical Rotation	[α] _D ²⁰ = 25.2 ° (C = 1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.22% (35 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.65%
Storage	Store at 2 - 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