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Certificate of Analysis

Catalogue Number	11678
Product	L-Glutamic acid γ-methyl ester α-tert-butyl ester hydrochloride
Lot Number	000424-161105-10956 L-Glu(OMe)-OtBu•HCl
CAS Number	34582-33-7
Molecular Formula	C ₁₀ H ₁₉ NO ₄ •HCl
Molecular Weight	253.77

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL H ₂ O)
Melting Point	130.3-130.7 °C
Water Content (Karl Fisher)	0.043%
Optical Rotation	[α] _D ²⁰ = +17.9° (C=2 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.37% (60 °C, 2 h)
¹H NMR	Conforms to structure
Purity by HPLC	99.16%
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