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Certificate of Analysis

Catalogue Number	03065
Lot Number	000424-131217-16055
Product	L-Glutamic acid γ-<i>tert</i>-butyl α-methyl ester hydrochloride L-Glu(OtBu)-OMe•HCl
CAS Number	6234-01-1
Molecular Formula	C ₁₀ H ₁₉ NO ₄ •HCl
Molecular Weight	253.8

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	126.7-130.4 °C
Water Content (Karl Fisher)	0.095%
Optical Rotation	[α] _D ²⁰ = +27.0° (C=1 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.67% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.41%
Storage	Store at 0-8 °C

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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