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Product Specifications

Catalogue Number	03342
Product	L-Glutamic acid α-methyl ester
	L-Glu-OMe
CAS Number	6384-08-3
Molecular Formula	C ₆ H ₁₁ NO ₄
Molecular Weight	161.3
Appearance	White powder
Solubility	Clear solution (0.3g in 6 mL H ₂ O)
Melting Point	130-140°C
Water Content (Karl Fisher)	≤ 2.0%
Optical Rotation	[α] _D ²⁰ = +35 ± 2° (C=1% in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.56% (60 °C, 2 h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only