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Certificate of Analysis

Catalogue Number 03875
Lot Number 000424-121016-11505
Product **Z-L-glutamic acid α -methyl ester**

Z-L-Glu-OMe

CAS Number 5672-83-3
Molecular Formula C₁₄H₁₇NO₆

Molecular Weight 295.29

Appearance White powder
Solubility Clear solution (0.3 gram in 2 ml EtOH)
Melting Point 67.1-70.1 °C
Water Content (Karl Fisher) 0.1%
Optical Rotation $[\alpha]_D^{20} = -24.5^\circ$ (C=1 in EtOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to structure
Loss on Drying 0.02% (30 °C for 2 hours)
¹H NMR Conforms to structure
Purity by HPLC 98.4%
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