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Certificate of Analysis

Catalogue Number 04-1506
Lot Number 130228-10921
Product **L-Glutamic acid dimethyl ester hydrochloride**

L-Glu(OMe)-OMe•HCl

CAS Number 23150-65-4
Molecular Formula $C_7H_{13}NO_4 \cdot HCl$
Molecular Weight 211.6

Appearance White powder
Solubility Clear solution (0.3 gram in 2 ml H₂O)
Melting Point 98.8-99.8 °C
Water Content (Karl Fisher) 0.99%
Optical Rotation $[\alpha]_D^{20} = +26.8$ °C (C=5 in H₂O)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to structure
Loss on Drying 0.12%
¹H NMR Conforms to structure
Purity by HPLC 98.1%
Storage Store at 0-8°C