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Certificate of Analysis

Catalogue Number	31943
Lot Number	000424-171225-16068
Product	L-Glutamic acid dibenzyl ester hydrochloride L-Glu(OBzl)-OBzl•HCl Dibenzyl L-glutamate hydrochloride
CAS Number	4561-10-8
Molecular Formula	C ₁₉ H ₂₁ NO ₄ •HCl
Molecular Weight	363.84

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml MeOH)
Melting Point	101.6-102.7 °C
Water Content (Karl Fisher)	0.148%
Optical Rotation	[α] _D ²⁰ = + 9.1 ° (C=2 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.39% (50 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.01%
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