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Certificate of Analysis

Catalogue Number	06037
Lot Number	000424-160304-16810
Product	L-Glutamine α-<i>tert</i>-butyl ester hydrochloride
	L-Gln-OtBu•HCl
CAS Number	39741-62-3
Molecular Formula	C ₉ H ₁₈ N ₂ O ₃ •HCl
Molecular Weight	238.72

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL Water)
Melting Point	137.1-137.5 °C
Water Content (Karl Fisher)	0.22%
Optical Rotation	[α] _D ²⁰ = +17.4° (C=2 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.84% (65 °C, 2h)
¹H NMR	Conforms to structure
Assay	98.55% (HPLC)
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