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Certificate of Analysis

Catalogue Number	41676
Product	(S)-(-)-α-Amino-γ-butyrolactone hydrochloride
Lot Number	000424-210126-23170 (S)-(-)-3-Aminotetrahydrofuran-2-one hydrochloride
CAS Number	2185-03-7
Molecular Formula	C ₄ H ₇ NO ₂ •HCl
Molecular Weight	137.56

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL water)
Melting Point	217.7 - 218.7 °C
Optical Rotation	[α] _{20D} = -25.6 ° (C = 1 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.36% (100 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.01%
Storage	Store at \leq -10 °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