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Certificate of Analysis

Catalogue Number	01328
Lot Number	000424-140525-30200
Product	<i>N</i>^α-Boc-L-arginine hydrochloride hydrate
	Boc-L-Arg-OH•HCl•H ₂ O
CAS Number	35897-34-8
Molecular Formula	C ₁₁ H ₂₂ N ₄ O ₄ •HCl•H ₂ O
Molecular Weight	328.8

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF and 1 mL H ₂ O)
Melting Point	118.1 °C
Water Content (Karl Fisher)	5.622%
Optical Rotation	[α] _D ²⁰ = -7.7° (C=1% in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.36% (40 °C for 2 hours)
¹H NMR	Conforms to structure
Purity by HPLC	99.10%
Purity by TLC	> 98%
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