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Certificate of Analysis

Catalogue Number	04046
Product	Boc-L-alanine N-hydroxysuccinimide ester
Lot Number	000424-220105-30106 Boc-L-Ala-OSu
CAS Number	3392-05-0
Molecular Formula	C ₁₂ H ₁₈ N ₂ O ₆
Molecular Weight	286.28

Appearance	White powder
Solubility	Clear solution (0.1 g in 8 ml DMF)
Melting Point	158.1 - 160.3 °C
Water Content (Karl Fisher)	0.06%
Optical Rotation	[α] _D ²⁰ = -51.9 ° (C=2.5 in dioxane)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.27% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	98.1%
Storage	Store at RT
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