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Certificate of Analysis

Catalogue Number	01373
Product	Boc-D-phenylalanine
Lot Number	000424-200220-31302 Boc-D-Phe-OH
CAS Number	18942-49-9
Molecular Formula	C ₁₄ H ₁₉ NO ₄
Molecular Weight	265.31

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	85.4 - 87.4 °C
Water Content (Karl Fisher)	0.08%
Optical Rotation	[α] _D ²⁰ = -26.1 ° (C=1 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.03% (40 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.94% (ee)
L-Enantiomer	0.0588%
Purity by HPLC	99.54%
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