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Certificate of Analysis

Catalogue Number	35195
Product	Fmoc-4-amino-D-phenylalanine
Lot Number	000424-161016-20307 Fmoc-D-Phe(4-NH ₂)-OH
CAS Number	324017-21-2
Molecular Formula	C ₂₄ H ₂₂ N ₂ O ₄
Molecular Weight	402.5

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	189.9 - 190.1 °C
Water Content (Karl Fisher)	0.66%
Optical Rotation	[α] _D ²⁰ = 10.8 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.44% (105 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.97% (ee)
L-Enantiomer	0.03%
Purity by HPLC	97.88%
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