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Certificate of Analysis

Catalogue Number	07393
Lot Number	000424-200419-23744
Product	Fmoc-D-Phe(4-CF₃)-OH Fmoc-4-trifluoromethyl-D-phenylalanine
CAS Number	238742-88-6
Molecular Formula	C ₂₅ H ₂₀ F ₃ NO ₄
Molecular Weight	455.43
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Appearance	White powder
Solubility	Clear solution (0.3 g in 4 mL DMF)
Melting Point	128.6 - 133.5 °C
Water Content (Karl Fisher)	0.90%
Optical Rotation	[α] _D ²⁰ = 37 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.58% (50 °C , 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99% (ee)
L-Enantiomer	0.9361%
Purity by HPLC	99.41%
Storage	Store at 0 - 8 °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