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Certificate of Analysis

Catalogue Number	02444
Product	Fmoc-D-phenylalanine
Lot Number	000424-141103-35702 Fmoc-D-Phe-OH
CAS Number	86123-10-6
Molecular Formula	C ₂₄ H ₂₁ NO ₄
Molecular Weight	387.4

Appearance	White powder
Solubility	Clearly soluble (0.3 g in 2 mL DMF)
Melting Point	184.8-185.7 °C
Water Content (Karl Fisher)	0.085%
Kaiser Test	< 0.5%
Optical Rotation	[α] _D ²⁵ = +36.3° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.44% (80 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0211%
Purity by HPLC	99.79%
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