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Certificate of Analysis

Catalogue Number	02471
Lot Number	000424-171008-36005
Product	Fmoc-D-valine Fmoc-D-Val-OH
CAS Number	84624-17-9
Molecular Formula	C ₂₀ H ₂₁ NO ₄
Molecular Weight	339.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	145.2 - 153.5 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Water Content (Karl Fisher)	0.14%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁰ = 18.9 ° (C = 1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.04% (65 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0338%
Purity by HPLC	99.94%
Purity by TLC	> 98%
Chiral Purity	99.96% (ee)
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