Chem-Impex International, Inc.

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Certificate of Analysis

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Catalogue Number	02589
Lot Number	000424-200312-20112
Product	Fmoc-3-(2-naphthyl)-D-alanine Fmoc-D-Ala(2-naphthyl)-OH
CAS Number	138774-94-4
Molecular Formula	C ₂₈ H ₂₃ NO ₄
Molecular Weight	437.5
Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	164.6 - 166.6 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Water Content (Karl Fisher)	0.22%
Optical Rotation	[a] _D ²⁰ = 16.7 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.34% (80 °C, 2h)
¹ H NMR	Conforms to structure
Chiral HPLC	99.97% (ee)
L-Enantiomer	0.0284%
Purity by HPLC	99.66%
Purity by TLC	> 98%
Storage	Store at 0 - 8 °C
Purity by TLC	> 98%

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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

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Bala Kumar Quality Control Manager