



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number 04-1390
Lot Number 000424-140710-36201
Product **Fmoc-L-threonine**

Fmoc-L-Thr-OH

CAS Number 73731-37-0

Molecular Formula $C_{19}H_{19}NO_5$

Molecular Weight 341.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	91.2-95.6 °C
Water Content (Karl Fisher)	5.837%
Optical Rotation	$[\alpha]_D^{20} = -14.5^\circ$ (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.15% (40 °C, 2h)
1H NMR	Conforms to structure
Purity by HPLC	99.31%
Purity by TLC	> 98%
Storage	Store at 0-8 °C