

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	02460
Lot Number	000424-160420-36202
Product	Fmoc-O-tert-butyl-L-threonine Fmoc-L-Thr(tBu)-OH
CAS Number	71989-35-0
Molecular Formula	C ₂₃ H ₂₇ NO ₅
Molecular Weight	397.5

Appearance	White powder
Solubility	Clear solution (0.3g in 2 mL DMF)
Melting Point	131.3-131.9 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = +15° (C=1 in EtOAc)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.30% (60 °C for 2 hours)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detectable
Purity by HPLC	99.60%
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