

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	04316
Product	Fmoc-O-2-chlorotrityl-L-tyrosine
Lot Number	000201-5864
	Fmoc-L-Tyr(2-CITrt)-OH
CAS Number	350241-80-4
Molecular Formula	C ₄₃ H ₃₄ NO ₅ Cl
Molecular Weight	680.2

Appearance	Pale brown powder
Solubility	Clearly soluble
Water Content (Karl Fisher)	1.3%
Kaiser Test	Negative to slightly positive
Optical Rotation	$[\alpha]_D^{22} = -32.4^\circ$ (C=1 in EtOAc)
Infrared Spectrum	Conforms to structure
Residual Solvents	Diethyl ether : 3.8% Ethyl acetate : 0.5%
Free Amino Acids	< 0.2%
Chiral HPLC	99.8% (ee)
D-Enantiomer	0.2%
Purity by HPLC	99.3% (265 nm) 99.2% (220 nm)
Purity by TLC	> 99%
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