

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	02443
Product	Fmoc-L-phenylalanine
Lot Number	000424-160126-35701 Fmoc-L-Phe-OH
CAS Number	35661-40-6
Molecular Formula	C ₂₄ H ₂₁ NO ₄
Molecular Weight	387.4

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	183.9-185.4 °C
Water Content (Karl Fisher)	0.032%
Kaiser Test	< 0.05%
Optical Rotation	[α] _D ²⁰ = -39.6° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.57% (80 °C for 2 hours)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	99.51%
Purity by TLC	> 98%
Storage	Store at 0-8 °C

Certificate of Analysis

Catalog Number: 02443

Lot Number: 000424-160126-35701

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