

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	00228
Product	<i>N</i>^α-Fmoc-L-asparagine
Lot Number	000424-130510-35101 Fmoc-L-Asn-OH
CAS Number	71989-16-7
Molecular Formula	C ₁₉ H ₁₈ N ₂ O ₅
Molecular Weight	354.4

Appearance	White powder
Melting Point	175.5-176.8 °C
Water Content (Karl Fisher)	0.496%
Optical Rotation	[α] _D ²⁰ = -12.1° (C = 1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.36% (80 °C for 2 hr)
¹H NMR	Conforms to structure
D-Enantiomer	Not detectable
Purity by HPLC	98.88%
Purity by TLC	98%
Storage	Store at 0-8 °C

Certificate of Analysis

Catalog Number: 00228

Lot Number: 000424-130510-35101

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