

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	05462
Product	Boc-L-aspartic acid β-tert-butyl ester
Lot Number	000424-170314-30403 Boc-L-Asp(OtBu)-OH
CAS Number	1676-90-0
Molecular Formula	C ₁₃ H ₂₃ NO ₆
Molecular Weight	289.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL MeOH)
Melting Point	52.1 - 57.5 °C
Water Content (Karl Fisher)	0.12%
Optical Rotation	[α] _D ²⁰ = 2.6 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.06% (35 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.64% (ee)
D-Enantiomer	0.3527%
Purity by HPLC	99.11%
Purity by TLC	> 98%
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