

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	03985
Lot Number	000424-161105-30644
Product	Boc-L-glutamic acid γ-benzyl ester α-4-nitrophenyl ester Boc-L-Glu(OBzl)-ONp
CAS Number	7536-59-6
Molecular Formula	C ₂₃ H ₂₆ N ₂ O ₈
Molecular Weight	458.47
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	119.8 - 119.9 °C
Water Content (Karl Fisher)	0.25%
Optical Rotation	[α] _D ²⁰ = -32.6 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.01% (50 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.71%
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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager