

# Chem-Impex International, Inc.

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**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

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## Certificate of Analysis

<b>Catalogue Number</b>	05522
<b>Lot Number</b>	000424-181221-30642
<b>Product</b>	<b>Boc-DL-glutamic acid <math>\gamma</math>-benzyl ester</b>

Boc-DL-Glu(OBzl)-OH

<b>CAS Number</b>	117997-81-6
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>23</sub> NO <sub>6</sub>

<b>Molecular Weight</b>	337.4
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3g in 2ml DMF)
<b>Melting Point</b>	104.5 - 105.5° C
<b>Water Content (Karl Fisher)</b>	0.17%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.01% (30 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.03%
<b>Storage</b>	Store at 0-8°C

<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only
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**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**