

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05545
<b>Lot Number</b>	000424-220801-37243
<b>Product</b>	<b>Boc-L-glutaminol</b> Boc-L-Gln-ol
<b>CAS Number</b>	133565-42-1
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	232.3

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<b>Appearance</b>	White to off-white powder
<b>Melting Point</b>	121.9 - 122.4 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> : - 8.8 ° (C=2 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	96.61%
<b>Storage</b>	Store at RT
<b>Remarks</b>	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