

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 03786  |
| <b>Product</b>           | <b>Boc-L-glutamic acid <math>\gamma</math>-benzyl ester <math>\alpha</math>-N-hydroxysuccinimide ester</b> |
| <b>Lot Number</b>        | 001902-403-1<br>Boc-L-Glu(OBzl)-OSu  |
| <b>CAS Number</b>        | 32886-40-1   |
| <b>Molecular Formula</b> | C <sub>21</sub> H <sub>26</sub> N <sub>2</sub> O <sub>8</sub>  |
| <b>Molecular Weight</b>  | 434.5  |

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|-------------------------|--|
| <b>Appearance</b>       | White powder   |
| <b>Optical Rotation</b> | $[\alpha]_D^{20} = -30.1^\circ$ (C=1 in DMF)   |
| <b>Purity by HPLC</b>   | 99.1%  |
| <b>Purity by TLC</b>    | Conforms to reference  |
| <b>Storage</b>          | Store at 0-8°C   |
| <b>Remarks</b>          | See material safety data sheet for additional information<br>For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager