

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 11891   |
| <b>Lot Number</b>        | 000424-180910-31724   |
| <b>Product</b>           | <b><i>N</i><sup>α</sup>-Boc-L-tryptophan amide</b><br><br>Boc-L-Trp-NH <sub>2</sub> |
| <b>CAS Number</b>        | 62549-92-2  |
| <b>Molecular Formula</b> | C <sub>16</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub>                       |
| <b>Molecular Weight</b>  | 303.36  |

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|                                    |   |
|------------------------------------|---|
| <b>Appearance</b>                  | White powder  |
| <b>Solubility</b>                  | Clear solution (0.3 g in 2 ml DMF)                    |
| <b>Melting Point</b>               | 136.7 - 137.7 °C                                      |
| <b>Water Content (Karl Fisher)</b> | 0.128%  |
| <b>Optical Rotation</b>            | [α] <sub>D</sub> <sup>20</sup> = - 9.3 ° (C=1 in DMF) |
| <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>              | 99.99%  |
| <b>Storage</b>                     | 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**