

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 15263  |
| <b>Lot Number</b>        | 000424-180101-24215  |
| <b>Product</b>           | <b>Boc-(R)-3-amino-3-(4-bromophenyl)propionic acid</b><br>Boc-D-β-Phe(4-Br)-OH |
| <b>CAS Number</b>        | 261380-20-5  |
| <b>Molecular Formula</b> | C <sub>14</sub> H <sub>18</sub> BrNO <sub>4</sub>                              |
| <b>Molecular Weight</b>  | 344.2  |

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|                                 |   |
|---------------------------------|---|
| <b>Appearance</b>               | White to off-white powder                               |
| <b>Optical Rotation</b>         | [α] <sub>D</sub> <sup>20</sup> = + 50.88° (C=1 in EtOH) |
| <b>Infrared Spectrum</b>        | Conforms to structure                                   |
| <b>Analysis by Mass Spectra</b> | Conforms to standard                                    |
| <b>Residual Solvents</b>        | Not identified  |
| <b>Related Substances</b>       | Not identified  |
| <b><sup>1</sup>H NMR</b>        | Conforms to structure                                   |
| <b>Chiral HPLC</b>              | 99.8% (ee)  |
| <b>Other Enantiomer</b>         | 0.2%  |
| <b>Purity by HPLC</b>           | 100%  |
| <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**