

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                   |                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------|
| Catalogue Number  | 16874                                                                                                                |
| Product           | <b><i>N</i>-Boc-(2<i>R</i>,3<i>R</i>)-3-amino-2-hydroxy-3-phenylpropionic acid</b>                                   |
| Lot Number        | 000705-375660<br>Boc-Ise(3-phenyl)-OH<br><br>(2 <i>R</i> ,3 <i>S</i> )- <i>N</i> -t-Butoxycarbonyl-3-phenylisoserine |
| CAS Number        | 145514-62-1                                                                                                          |
| Molecular Formula | C <sub>14</sub> H <sub>19</sub> NO <sub>5</sub>                                                                      |
| Molecular Weight  | 281.3                                                                                                                |

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|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance       | White powder                                                                                                                                  |
| Melting Point    | 85-87 °C                                                                                                                                      |
| TLC System       | Chloroform/Methanol/Acetic acid (90:8:2) Single spot<br>Chloroform/Methanol/Benezene/Water (8:8:8:1) Single spot<br>Visualized with UV/Iodine |
| Optical Rotation | [α] <sub>D</sub> <sup>25</sup> = -38.8° (C=1 in EtOH)                                                                                         |
| Purity by HPLC   | 97.6%                                                                                                                                         |
| Storage          | Store at 0-8 °C                                                                                                                               |
| Remarks          | See material safety data sheet for additional information<br><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