

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>  | 12743                                                                                                                  |
| <b>Lot Number</b>        | 001328-20130131-1                                                                                                      |
| <b>Product</b>           | <b>L-β-Homophenylalanine hydrochloride</b><br>L-β-HomoPhe-OH•HCl<br><br>(S)-3-Amino-4-phenylbutyric acid hydrochloride |
| <b>CAS Number</b>        | 138165-77-2                                                                                                            |
| <b>Molecular Formula</b> | C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub> •HCl                                                                   |
| <b>Molecular Weight</b>  | 215.68                                                                                                                 |

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|---------------------------|--------------------------------------------------------------------------------------|
| <b>Appearance</b>         | White powder                                                                         |
| <b>Optical Rotation</b>   | [α] <sub>D</sub> <sup>25</sup> = -14.4° (C=1 in DMF)                                 |
| <b><sup>13</sup>C NMR</b> | Conforms to structure                                                                |
| <b><sup>1</sup>H NMR</b>  | Conforms to structure                                                                |
| <b>Purity by HPLC</b>     | > 98%                                                                                |
| <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**