

# Chem-Impex International, Inc.

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## Product Specifications

|                                    |                                                           |
|------------------------------------|-----------------------------------------------------------|
| <b>Catalogue Number</b>            | 06191                                                     |
| <b>Product</b>                     | <b>L-Phenylglycine <i>tert</i>-butyl ester</b>            |
|                                    | L-Phg-OtBu                                                |
| <b>CAS Number</b>                  | 53934-78-4                                                |
| <b>Molecular Formula</b>           | C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub>           |
| <b>Molecular Weight</b>            | 207.27                                                    |
| <hr/>                              |                                                           |
| <b>Appearance</b>                  | White powder                                              |
| <b>Solubility</b>                  | Clear solution (0.3 g in 2 mL MeOH)                       |
| <b>Melting Point</b>               | 178-189 °C                                                |
| <b>Water Content (Karl Fisher)</b> | ≤ 1.0%                                                    |
| <b>Optical Rotation</b>            | [α] <sub>D</sub> <sup>20</sup> = +64.0 ± 2° (C=1 in MeOH) |
| <b>Infrared Spectrum</b>           | Conforms to structure                                     |
| <b>Analysis by Mass Spectra</b>    | Conforms to standard                                      |
| <b>Loss on Drying</b>              | ≤ 1.0% (60 °C, 2 hour)                                    |
| <b><sup>1</sup>H NMR</b>           | Conforms to structure                                     |
| <b>Purity by HPLC</b>              | ≥ 99%                                                     |
| <b>Storage</b>                     | Store at 0-8 °C                                           |

**For Laboratory Use Only**