

# Chem-Impex International, Inc.

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## Product Specifications

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| <b>Catalogue Number</b>  | 07179                                                |
| <b>Product</b>           | <b>L-Homoleucine</b><br>L-HomoLeu-OH<br>H-HomoLeu-OH |
| <b>CAS Number</b>        | 31872-98-7                                           |
| <b>Molecular Formula</b> | C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub>       |
| <b>Molecular Weight</b>  | 145.20                                               |

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|---------------------------------|-----------------------------------------------------------|
| <b>Appearance</b>               | White to off-white powder                                 |
| <b>Solubility</b>               | Clear solution (0.3 g in 2 mL 2N HCl)                     |
| <b>Melting Point</b>            | 255 - 257 °C                                              |
| <b>Optical Rotation</b>         | [α] <sub>D</sub> <sup>20</sup> = 20 ± 2 ° (C=2 in 2N HCl) |
| <b>Infrared Spectrum</b>        | Conforms to structure                                     |
| <b>Analysis by Mass Spectra</b> | Conforms to standard                                      |
| <b>Loss on Drying</b>           | ≤ 1% (110 °C, 2h)                                         |
| <b><sup>1</sup>H NMR</b>        | Conforms to structure                                     |
| <b>Chiral HPLC</b>              | ≥ 99.5% (ee)                                              |
| <b>D-Enantiomer</b>             | ≤ 0.5%                                                    |
| <b>Purity by HPLC</b>           | ≥ 99%                                                     |
| <b>Storage</b>                  | Store at 0 - 8 °C                                         |

**For Laboratory Use Only**