

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

|                         |                           |
|-------------------------|---------------------------|
| <b>Catalogue Number</b> | 04982                     |
| <b>Lot Number</b>       | 000424-160222-23141       |
| <b>Product</b>          | <b>Fmoc-L-homoleucine</b> |

Fmoc-L-HomoLeu-OH

|                          |   |
|--------------------------|---|
| <b>CAS Number</b>        | 180414-94-2                                     |
| <b>Molecular Formula</b> | C <sub>22</sub> H <sub>25</sub> NO <sub>4</sub> |

|                         |        |
|-------------------------|--------|
| <b>Molecular Weight</b> | 367.44 |
|-------------------------|--------|

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|                                    |  |
|------------------------------------|--|
| <b>Appearance</b>                  | White powder   |
| <b>Solubility</b>                  | Clear solution (0.3 g in 2ml DMF)                      |
| <b>Melting Point</b>               | 147.0 - 147.1 °C                                       |
| <b>Water Content (Karl Fisher)</b> | 0.25%  |
| <b>Optical Rotation</b>            | [α] <sub>D</sub> <sup>20</sup> = - 17.3 ° (C=1 in DMF) |
| <b>Analysis by Mass Spectra</b>    | Conforms to standard                                   |
| <b>Loss on Drying</b>              | 0.13% (70°C, 2h)                                       |
| <b>Chiral HPLC</b>                 | 99.96% (ee)  |
| <b>D-Enantiomer</b>                | 0.0382%  |
| <b>Purity by HPLC</b>              | 99.63%   |
| <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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**