

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

|                         |                                 |
|-------------------------|---------------------------------|
| <b>Catalogue Number</b> | 02579                           |
| <b>Lot Number</b>       | 000424-120528-23151             |
| <b>Product</b>          | <b>Fmoc-L-homophenylalanine</b> |

Fmoc-L-HomoPhe-OH

(S)-2-(Fmoc-amino)-4-phenyl-butyric acid

|                   |             |
|-------------------|-------------|
| <b>CAS Number</b> | 132684-59-4 |
|-------------------|-------------|

|                          |   |
|--------------------------|---|
| <b>Molecular Formula</b> | C <sub>25</sub> H <sub>23</sub> NO <sub>4</sub> |
|--------------------------|---|

|                         |        |
|-------------------------|--------|
| <b>Molecular Weight</b> | 401.45 |
|-------------------------|--------|

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|                   |              |
|-------------------|--------------|
| <b>Appearance</b> | White powder |
|-------------------|--------------|

|                   |                                    |
|-------------------|------------------------------------|
| <b>Solubility</b> | Clear solution (0.3 g in 2 mL DMF) |
|-------------------|------------------------------------|

|                      |                |
|----------------------|----------------|
| <b>Melting Point</b> | 154.2-156.9 °C |
|----------------------|----------------|

|                                    |       |
|------------------------------------|-------|
| <b>Water Content (Karl Fisher)</b> | 0.26% |
|------------------------------------|-------|

|                         |  |
|-------------------------|--|
| <b>Optical Rotation</b> | [α] <sub>D</sub> <sup>20</sup> = -8.95° (C=1, DMF) |
|-------------------------|--|

|                                 |                      |
|---------------------------------|----------------------|
| <b>Analysis by Mass Spectra</b> | Conforms to standard |
|---------------------------------|----------------------|

|                       |                       |
|-----------------------|-----------------------|
| <b>Loss on Drying</b> | 0.01% (60 °C, 2 hour) |
|-----------------------|-----------------------|

|                       |        |
|-----------------------|--------|
| <b>Purity by HPLC</b> | 99.50% |
|-----------------------|--------|

|                |                 |
|----------------|-----------------|
| <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