## Chem-Impex International, Inc.

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935 Dillon Drive
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## Certificate of Analysis

Catalogue Number 33603

**Lot Number** 000424-231001-20463

Product Fmoc-4-chloro-2-fluoro-L-phenylalanine

Fmoc-L-Phe(4-Cl,2-F)-OH

(S)-Fmoc-2-amino-4-chloro-2-fluorophenylpropionic acid

**CAS Number** 1217811-90-9 **Molecular Formula** C<sub>24</sub>H<sub>19</sub>CIFNO<sub>4</sub>

Molecular Weight 439.86

**Appearance** White solid

**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = -40.4  $^{\circ}$  (C=1 in DMF)

Analysis by Mass Spectra Conforms to standard

1H NMR Conforms to structure

Chiral HPLC 100% (ee)

D-Enantiomer Not detected

**Purity by HPLC** 99.7%

**Storage** Store at 2 - 8 °C

**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

**Bala Kumar** 

**Quality Control Manager**