

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	04138
<b>Lot Number</b>	000424-170920-21134
<b>Product</b>	<b>Fmoc-2-fluoro-L-phenylalanine</b>

Fmoc-L-Phe(2-F)-OH

<b>CAS Number</b>	205526-26-7
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>20</sub> FNO <sub>4</sub>

<b>Molecular Weight</b>	405.4
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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>	120.7 - 122.2 °C
<b>Water Content (Karl Fisher)</b>	0.245%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -45.9 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.30% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	99.53% (ee)
<b>D-Enantiomer</b>	0.4678%
<b>Purity by HPLC</b>	99.18%
<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**



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