

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

<b>Catalogue Number</b>	07386
<b>Lot Number</b>	000424-150610-23738
<b>Product</b>	<b>Fmoc-3-trifluoromethyl-L-phenylalanine</b>

Fmoc-L-Phe(3-CF<sub>3</sub>)-OH

Fmoc-L-Phe(3-trifluoromethyl)-OH

<b>CAS Number</b>	205526-27-8
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<b>Molecular Formula</b>	C <sub>25</sub> H <sub>20</sub> F <sub>3</sub> NO <sub>4</sub>
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<b>Molecular Weight</b>	455.43
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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL of DMF)
<b>Melting Point</b>	126.5-132.8 °C
<b>Water Content (Karl Fisher)</b>	0.266%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -35.1° (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>	0.95%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.60%
<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**