

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	04125
<b>Product</b>	<b>Boc-3,5-difluoro-L-phenylalanine</b>
<b>Lot Number</b>	000424-180510-23749 Boc-L-Phe(3,5-DiF)-OH
<b>CAS Number</b>	205445-52-9
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>17</sub> F <sub>2</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	301.3

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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>	113.4 - 114.9 °C
<b>Water Content (Karl Fisher)</b>	0.440%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 31.2° (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>	0.20% (40°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.71%
<b>Storage</b>	Store at 0-8 °C

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**Catalog Number: 04125**

**Lot Number: 000424-180510-23749**

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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**