

# *Chem-Impex International, Inc.*

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## Certificate of Analysis

<b>Catalog Number</b>	02574
<b>Product Name</b>	Boc-D-Phe(4-F)-OH
<b>Lot Number</b>	02574-062705-1
<b>CAS Registry Number</b>	57292-45-2
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>18</sub> FNO <sub>4</sub>
<b>Molecular Weight</b>	283.2
<b>Appearance</b>	White powder
<b>Melting Point</b>	82 – 85 °C
<b>Specific Rotation</b> $[\alpha]_D^{20}$	- 26.585 ° (c=1.0 % in AcOEt)
<b>Purity (HPLC)</b>	99%
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.



**Sashi Kumar**  
Quality Control Manager

## HPLC Conditions

<b>Column</b>	Beckman Ultrasphere 5 $\mu\text{m}$ , 250x4.6 mm, 150 $\text{\AA}$
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	10.667
<b>Sample preparation</b>	2 mg/1 mL 50% Acetonitrile/Water
<b>Injection volume, <math>\mu\text{l}</math></b>	5
<b>Method /Detection at, nm</b>	<b>Gradient</b>
	30-80% B
	A = 99.9% Water, 0.1% TFA
	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min

**Boc / 210**