

# ***Chem-Impex International, Inc.***

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**Tel:** (630) 766-2112

**E-mail:** [sales@chemimpex.com](mailto:sales@chemimpex.com)

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** [www.chemimpex.com](http://www.chemimpex.com)

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## **Certificate of Analysis**

<b>Catalog Number</b>	02566
<b>Product Name</b>	Boc-Phe(4-Cl)-OH
<b>Lot Number</b>	2566-082404-1
<b>CAS Registry Number</b>	68090-88-0
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>18</sub> ClNO <sub>4</sub>
<b>Molecular Weight</b>	299.8
<b>Appearance</b>	White powder
<b>Melting Point</b>	107 – 109 °C
<b>Specific Rotation [α]<sup>20</sup><sub>D</sub></b>	+ 25.6 ° (c=1.029 % in EtOH)
<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 Å
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	14.2
<b>Sample preparation</b>	2 mg/1 mL 100% Acetonitrile/Water
<b>Injection volume, ml</b>	5

**Method /Detection at, nm**

**Gradient**

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**