

# *Chem-Impex International, Inc.*

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## Certificate of Analysis

<b>Catalog Number</b>	04094
<b>Product Name</b>	<b>Boc-Phe(2-Cl)-OH</b> Boc-2-chloro-L-phenylalanine Boc-o-chloro-L-Phe-OH
<b>Lot Number</b>	04094-091306-1
<b>CAS Registry Number</b>	114873-02-8
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>18</sub> ClNO <sub>4</sub>
<b>Molecular Weight</b>	299.80
<b>Appearance</b>	Off-white powder
<b>Melting Point</b>	78-80 °C
<b>Specific Optical Rotation</b>	$\alpha_D^{20} = -23.91^\circ$ (c=1.0, EtOAc)
<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

**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>	20.28
<b>Sample preparation</b>	2 mg/1 mL 100% 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**