

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

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**Manufacturing site:**

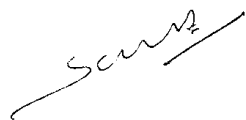
825 Dillon Drive

Wood Dale, IL 60191

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## **Certificate of Analysis**

<b>Catalog Number</b>	07185
<b>Product Name</b>	4-Phenylpiperidine-4-carboxylic acid hydrochloride salt
<b>Lot Number</b>	7185-082604-1
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>15</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	241.73
<b>Appearance</b>	White powder
<b>Melting Point</b>	> 260 °C (Dec.)
<b>Purity (HPLC)</b>	99 %
<b>Storage</b>	Store at 0-5°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>	14.433
<b>Sample preparation</b>	2 mg/1 mL 100% Acetonitrile/Water
<b>Injection volume, ml</b>	5

**Method /Detection at, nm**

**Gradient**

**Boc 0-50/ 210**

0-50% 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