

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

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## **Certificate of Analysis**

<b>Catalog Number</b>	14378
<b>Product Name</b>	<b>H-Phe(4-F)-OMe•HCl</b>  4-Fluoro-L-phenylalanine methyl ester hydrochloride
<b>Lot Number</b>	H-p-Fluoro-Phe-OMe•HCl 14378-120506-1
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>12</sub> FNO <sub>2</sub> •HCl
<b>Molecular Weight</b>	233.7
<b>Melting Point</b>	198-200 °C
<b>Optical rotation</b>	16.45° (1.0, MeOH)
<b>HPLC purity</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

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**

**Quality Control Manager**

## HPLC Conditions

<b>Column</b>	Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	8.85
<b>Sample preparation</b>	2 mg/1 ml 100% Acetonitrile/Water
<b>Injection volume, <math>\mu</math>l</b>	5
<b>Method /Detection at, nm</b>	<b>Gradient</b>
	10-60% B
	A = 99.9% Water, 0.1% TFA
<b>Boc10/ 210</b>	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min