

# Analytical Data Sheet

Lot number

**1038847**

not for drug use

Catalog Number	N-1060.1000
Product number	4009409.1000
Product	H- Phe- chloromethylketone · HCl
Molecular formula	C <sub>10</sub> H <sub>12</sub> ClNO · HCl
Relative molecular mass	234.13

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.03 %</td> <td>C = 50.89 %</td> </tr> <tr> <td>H = 5.63 %</td> <td>H = 6.04 %</td> </tr> <tr> <td>N = 5.95 %</td> <td>N = 5.55 %</td> </tr> </table> <p>calc. as 1 HCl (14.6 Cl) x 0.07 H<sub>2</sub>O (0.5 %)</p>	Theory	Found	C = 51.03 %	C = 50.89 %	H = 5.63 %	H = 6.04 %	N = 5.95 %	N = 5.55 %
Theory	Found								
C = 51.03 %	C = 50.89 %								
H = 5.63 %	H = 6.04 %								
N = 5.95 %	N = 5.55 %								
Identification (TLC)	conforms with authentic material								
Melting point	170 °C								
Purity (TLC)	decomposes on TLC plate								
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H <sub>2</sub> O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF coulometric)	0.5%								
Chloride content (titration)	14.4 % (AgNO <sub>3</sub> )								
Latest update: October 13, 2011									