

# Analytical Data Sheet

Lot number

## 1045245

not for drug use

<b>Catalog Number</b>	F-2070.0025
<b>Product number</b>	4002694.0025
<b>Product</b>	H- DL- Pro- OMe · HCl
<b>Molecular formula</b>	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub> · HCl
<b>Relative molecular mass</b>	165.62

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 43.5%</td> <td>C = 43.5%</td> </tr> <tr> <td>H = 7.3%</td> <td>H = 7.0%</td> </tr> <tr> <td>N = 8.5%</td> <td>N = 8.4%</td> </tr> </table> <p>calc. as 1 HCl (22.01 %)(21.91 % Cl)</p>	Theory	Found	C = 43.5%	C = 43.5%	H = 7.3%	H = 7.0%	N = 8.5%	N = 8.4%
Theory	Found								
C = 43.5%	C = 43.5%								
H = 7.3%	H = 7.0%								
N = 8.5%	N = 8.4%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	123.8 °C								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	100.0% (Cth 43.51%, Cfd 43.52%)								
<b>Water content (KF volumetric)</b>	0.2%								
<b>Chloride content (titration)</b>	21.3% (AgNO <sub>3</sub> )								
Latest update: November 02, 2012									