

# Analytical Data Sheet

Lot number

## 1016481

not for drug use

<b>Catalog Number</b>	G-3015.0025
<b>Product number</b>	4001061.0025
<b>Product</b>	H- Pro- Gly- OH
<b>Molecular formula</b>	C <sub>7</sub> H <sub>12</sub> N <sub>2</sub> O <sub>3</sub>
<b>Relative molecular mass</b>	172.18

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in AcOH 80 %)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.21 %</td> <td>C = 45.27 %</td> </tr> <tr> <td>H = 7.33 %</td> <td>H = 7.21 %</td> </tr> <tr> <td>N = 15.06 %</td> <td>N = 15.12 %</td> </tr> </table> <p>calc. as 0.765 HCl (7.41 %)</p>	Theory	Found	C = 45.21 %	C = 45.27 %	H = 7.33 %	H = 7.21 %	N = 15.06 %	N = 15.12 %
Theory	Found								
C = 45.21 %	C = 45.27 %								
H = 7.33 %	H = 7.21 %								
N = 15.06 %	N = 15.12 %								
<b>Identification (TLC)</b>	conforms with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -20.8^\circ$ (1 % in H <sub>2</sub> O)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	<p>n-butanol/acetic acid/H<sub>2</sub>O 4/2/2  n-butanol/acetic acid/H<sub>2</sub>O/pyridine 30/6/24/20  plate: silicagel 60 F<sub>254</sub>  detected by: UV, ninhydrin, chlorine-tolidine</p> <p>isopropanol/ammonia conc. 1/1  plate: HPTLC  detected by: UV, ninhydrin, chlorine-tolidine</p>								
<b>Assay (elemental analysis)</b>	93.1 % (Nth 16.27 %, Nfd 15.14 %)								
<b>Water content (KF volumetric)</b>	7.4%								
Latest update: October 24, 2008									