

# Analytical Data Sheet

Lot number

**1038830**

not for drug use

<b>Catalog Number</b>	<b>G-3010.0005</b>
<b>Product number</b>	<b>4002608.0005</b>
<b>Product</b>	<b>H- Pro- Gln- OH</b>
<b>Molecular formula</b>	$C_{10}H_{17}N_3O_4$
<b>Relative molecular mass</b>	243.26

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 = 45.34 %</td> <td>C = 45.64 %</td> </tr> <tr> <td>H = 7.38 %</td> <td>H = 7.10 %</td> </tr> <tr> <td>N = 15.86 %</td> <td>N = 15.64 %</td> </tr> </table> <p>calc. as 1.2 water (8.2 %)</p>	Theory	Found	C = 45.34 %	C = 45.64 %	H = 7.38 %	H = 7.10 %	N = 15.86 %	N = 15.64 %
Theory	Found								
C = 45.34 %	C = 45.64 %								
H = 7.38 %	H = 7.10 %								
N = 15.86 %	N = 15.64 %								
<b>Purity (TLC)</b>	> 98%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Assay (elemental analysis)</b>	90.6% (Nth 17.26 %, Nfd 15.64 %)								
<b>Water content (KF volumetric)</b>	9.0%								
Latest update: September 26, 2011	<b>Analytical Data Sheet</b> Lot number <b>1038830</b>								