

# Analytical Data Sheet

Lot number

**1023120**

not for drug use

<b>Catalog Number</b>	G-4785.0250
<b>Product number</b>	4040111.0250
<b>Product</b>	H- Glu(D- Glu- OH) - OH
<b>Molecular formula</b>	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>7</sub>
<b>Relative molecular mass</b>	276.25

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in water)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 43.5 %</td> <td>C = 43.7 %</td> </tr> <tr> <td>H = 5.8 %</td> <td>H = 5.8 %</td> </tr> <tr> <td>N = 10.1 %</td> <td>N = 10.2 %</td> </tr> </table>	Theory	Found	C = 43.5 %	C = 43.7 %	H = 5.8 %	H = 5.8 %	N = 10.1 %	N = 10.2 %
Theory	Found								
C = 43.5 %	C = 43.7 %								
H = 5.8 %	H = 5.8 %								
N = 10.1 %	N = 10.2 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +37.5^\circ$ (1 % in 0.5N HCl)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 n-BuOH/acetone/NH <sub>4</sub> OH/H <sub>2</sub> O 37/37/19/7 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: April 01, 2009									