

## Analytical Data Sheet

Lot number **1000028377**  
not for drug use

Catalog number **G-1940.0001**  
Product number **4003498.0001**  
Product **H- Glu(Gly- OH) - OH**  
Molecular formula **C<sub>7</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub>**  
Relative molecular mass **204.18**

Tests	Results								
Appearance	white product								
Appearance of solution	clear, colorless solution (50 mg/mL in water)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 41.2%</td> <td>C = 41.3%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 5.7%</td> </tr> <tr> <td>N = 13.7%</td> <td>N = 13.8%</td> </tr> </table>	Theory	Found	C = 41.2%	C = 41.3%	H = 5.9%	H = 5.7%	N = 13.7%	N = 13.8%
Theory	Found								
C = 41.2%	C = 41.3%								
H = 5.9%	H = 5.7%								
N = 13.7%	N = 13.8%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +9.5^\circ$ (2% in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.3% (Nth 13.72%, Nfd 13.76%)								
Assay (titration)	99.8% (HClO <sub>4</sub> )								
Water content (KF volumetric)	0.1%								

Latest update: February 11, 2020

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