

Analytical Data Sheet

Lot number

1006799

not for drug use

Catalog Number	G-2200.0005
Product number	4000679.0005
Product	H- Gly- Ser- OH
Molecular formula	C₅H₁₀N₂O₄
Relative molecular mass	162.15

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 37.0 %</td> <td>C = 36.6 %</td> </tr> <tr> <td>H = 6.2 %</td> <td>H = 6.0 %</td> </tr> <tr> <td>N = 17.3 %</td> <td>N = 17.1 %</td> </tr> </table>	Theory	Found	C = 37.0 %	C = 36.6 %	H = 6.2 %	H = 6.0 %	N = 17.3 %	N = 17.1 %
Theory	Found								
C = 37.0 %	C = 36.6 %								
H = 6.2 %	H = 6.0 %								
N = 17.3 %	N = 17.1 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	[α] _D ²⁴ = - 8.7 ° (2 % in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.1 % (Nth 17.28 %, Nfd 17.12 %)								
Water content (KF volumetric)	0.7%								
Latest update: October 24, 2008	Analytical Data Sheet Lot number 1006799								