

Analytical Data Sheet

Lot number

1007589

not for drug use

Catalog Number	G-1580.1000
Product number	4001395.1000
Product	H- Asp- Gly- OH
Molecular formula	C ₆ H ₁₀ N ₂ O ₅
Relative molecular mass	190.16

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 34.62 %</td> <td>C = 33.93 %</td> </tr> <tr> <td>H = 5.81 %</td> <td>H = 5.62 %</td> </tr> <tr> <td>N = 13.46 %</td> <td>N = 13.38 %</td> </tr> </table> <p>calc. as 1 H₂O (8.65 %)</p>	Theory	Found	C = 34.62 %	C = 33.93 %	H = 5.81 %	H = 5.62 %	N = 13.46 %	N = 13.38 %
Theory	Found								
C = 34.62 %	C = 33.93 %								
H = 5.81 %	H = 5.62 %								
N = 13.46 %	N = 13.38 %								
Identification (TLC)	conforms with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +35.0^\circ$ (1 % in H ₂ O + 1 eq 1N HCl)								
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, TMB								
Assay (elemental analysis)	90.9% (Nth 14.73 %, Nfd 13.38 %)								
Water content (KF volumetric)	9.2%								
Latest update: October 24, 2008									