

Analytical Data Sheet

Lot number

1015540

not for drug use

Catalog Number	F-3195.0005
Product number	4014179.0005
Product	H- β- (3- Pyridyl) - Ala- OH
Molecular formula	C ₈ H ₁₀ N ₂ O ₂
Relative molecular mass	166.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.82 %</td> <td>C = 57.86 %</td> </tr> <tr> <td>H = 6.07 %</td> <td>H = 5.97 %</td> </tr> <tr> <td>N = 16.86 %</td> <td>N = 16.90 %</td> </tr> </table>	Theory	Found	C = 57.82 %	C = 57.86 %	H = 6.07 %	H = 5.97 %	N = 16.86 %	N = 16.90 %
Theory	Found								
C = 57.82 %	C = 57.86 %								
H = 6.07 %	H = 5.97 %								
N = 16.86 %	N = 16.90 %								
Identification (TLC)	Complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +26.1^\circ$ (1 % in 1N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.2% D-Enantiomer								
Assay (elemental analysis)	100.2% (Nth 16.86 %, Nfd 16.90 %)								
Latest update: October 24, 2008									