

## Analytical Data Sheet

Lot number **1062225**  
not for drug use

Catalog number **F-3195.0001**  
Product number **4014179.0001**  
Product **H-  $\beta$ - (3- Pyridyl) - Ala- OH**  
Molecular formula **C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>**  
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> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <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> </tbody> </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 <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> 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 21, 2015

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