

# Analytical Data Sheet

Lot number

**1018437**

not for drug use

<b>Catalog Number</b>	<b>E-1285.1000</b>
<b>Product number</b>	<b>4030174.1000</b>
<b>Product</b>	<b>H- Ala- OH</b>
<b>Molecular formula</b>	<b>C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub></b>
<b>Relative molecular mass</b>	<b>89.09</b>

Tests	Results									
<b>Appearance</b>	white crystalline powder									
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in 1N HCl)									
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 40.4 %</td> <td>C = 40.2 %</td> </tr> <tr> <td>H = 7.9 %</td> <td>H = 7.7 %</td> </tr> <tr> <td>N = 15.7 %</td> <td>N = 15.5 %</td> </tr> </table>	Theory	Found	C = 40.4 %	C = 40.2 %	H = 7.9 %	H = 7.7 %	N = 15.7 %	N = 15.5 %	
Theory	Found									
C = 40.4 %	C = 40.2 %									
H = 7.9 %	H = 7.7 %									
N = 15.7 %	N = 15.5 %									
<b>Identification (TLC)</b>	complies with authentic material									
<b>Purity (TLC)</b>	> 99%									
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected: UV, ninhydrin, TMB									
<b>Assay (elemental analysis)</b>	98.5% (Nth 15.72 %, Nfd 15.49 %)									
Latest update: October 24, 2008		<b>Analytical Data Sheet</b> Lot number <b>1018437</b>								