

# Analytical Data Sheet

Lot number

## 1047863

not for drug use

<b>Catalog Number</b>	G-3500.0001
<b>Product number</b>	4007094.0001
<b>Product</b>	H- Val- Ala- OH
<b>Molecular formula</b>	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
<b>Relative molecular mass</b>	188.23

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in 80% acetic acid)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.1%</td> <td>C = 50.8%</td> </tr> <tr> <td>H = 8.6%</td> <td>H = 8.4%</td> </tr> <tr> <td>N = 14.9%</td> <td>N = 14.8%</td> </tr> </table>	Theory	Found	C = 51.1%	C = 50.8%	H = 8.6%	H = 8.4%	N = 14.9%	N = 14.8%
Theory	Found								
C = 51.1%	C = 50.8%								
H = 8.6%	H = 8.4%								
N = 14.9%	N = 14.8%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +9.7^\circ$ (1% in water)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Assay (elemental analysis)</b>	99.3% (Nth 14.88%, Nfd 14.78%)								
<b>Water content (KF volumetric)</b>	0.4%								
Latest update: April 22, 2013									