

# Analytical Data Sheet

Lot number

## 1029968

not for drug use

<b>Catalog Number</b>	C-1045.0025
<b>Product number</b>	4001947.0025
<b>Product</b>	Z- Ala- Ala- OH
<b>Molecular formula</b>	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub>
<b>Relative molecular mass</b>	294.31

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.14 %</td> <td>C = 57.17 %</td> </tr> <tr> <td>H = 6.16 %</td> <td>H = 6.07 %</td> </tr> <tr> <td>N = 9.52 %</td> <td>N = 9.53 %</td> </tr> </table>	Theory	Found	C = 57.14 %	C = 57.17 %	H = 6.16 %	H = 6.07 %	N = 9.52 %	N = 9.53 %
Theory	Found								
C = 57.14 %	C = 57.17 %								
H = 6.16 %	H = 6.07 %								
N = 9.52 %	N = 9.53 %								
<b>Identification (TLC)</b>	Complies with authentic material								
<b>Melting point</b>	152 - 153 °C								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Water content (KF volumetric)</b>	0.5%								
Latest update: March 24, 2010									