

# Analytical Data Sheet

Lot number

## 1024307

not for drug use

<b>Catalog Number</b>	C-3255.0005
<b>Product number</b>	4000589.0005
<b>Product</b>	Z- D- Ala- NH <sub>2</sub>
<b>Molecular formula</b>	C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
<b>Relative molecular mass</b>	222.24

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 = 59.45 %</td> <td>C = 59.39 %</td> </tr> <tr> <td>H = 6.35 %</td> <td>H = 6.47 %</td> </tr> <tr> <td>N = 12.60 %</td> <td>N = 12.61 %</td> </tr> </table>	Theory	Found	C = 59.45 %	C = 59.39 %	H = 6.35 %	H = 6.47 %	N = 12.60 %	N = 12.61 %
Theory	Found								
C = 59.45 %	C = 59.39 %								
H = 6.35 %	H = 6.47 %								
N = 12.60 %	N = 12.61 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	133 °C								
<b>Purity (TLC)</b>	> 99%								
<b>Related impurities (TLC)</b>	< 0.2% Z-D-Ala OH								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol 9/1 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Enantiomer content (GC)</b>	0.1% L-Enantiomer								
Latest update: June 03, 2009									