

## Analytical Data Sheet

**Lot number** 1000022360  
not for drug use

**Catalog number** C-1005.0100

**Product** Z-D-Ala-OH

**Product number** 4000234.0100

**Molecular formula (net)** C<sub>11</sub>H<sub>13</sub>NO<sub>4</sub>

**Molecular mass (average)** 223.2

Tests	Results
Components	
<b>Appearance</b>	
Color	off-white
Physical form	powder
Visible impurities	none
Appearance	complies
<b>Appearance of solution</b>	
Clarity	clear
Color of solution	colorless
Visible impurities	none
Solvent and concentration	50 mg/mL in methanol
<b>Identification (ESI-MS)</b>	
Monoisotopic mass	223.1 u
<b>Identification (TLC)</b>	
R <sub>f</sub> value	complies
<b>Purity (TLC)</b>	
Purity	> 99%
<b>Enantiomer content (GC)</b>	
L-enantiomer	< 0.1%
Method	GC-MS (A.0.3)
<b>Assay (titration)</b>	
Assay (titration, net)	99.5%

**Bachem AG**  
Hauptstrasse 144  
4416 Bubendorf  
Switzerland  
Tel.: +41 58 595 2021

**BACHEM**

---

<b>Lot number</b>	<b>1000022360</b>
<b>Catalog number</b>	<b>C-1005.0100</b>
<b>Product</b>	<b>Z-D-Ala-OH</b>

---

This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

---

Date created: September 26, 2019