

# Analytical Data Sheet

Lot number

**1040132**

not for drug use

<b>Catalog Number</b>	F-1100.0100
<b>Product number</b>	4029158.0100
<b>Product</b>	H- D- Ala- OH
<b>Molecular formula</b>	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub>
<b>Relative molecular mass</b>	89.09

Tests	Results								
<b>Appearance</b>	white crystals								
<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 = 7.8%</td> </tr> <tr> <td>N = 15.7%</td> <td>N = 15.7%</td> </tr> </table>	Theory	Found	C = 40.4%	C = 40.2%	H = 7.9%	H = 7.8%	N = 15.7%	N = 15.7%
Theory	Found								
C = 40.4%	C = 40.2%								
H = 7.9%	H = 7.8%								
N = 15.7%	N = 15.7%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -14.2^\circ$ ( 5 % in 1M HCl )								
<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 by: UV, ninhydrin, TMB								
<b>Enantiomer content (GC)</b>	0.3L-Isomer								
<b>Other amino acids (GC)</b>	none detected (< 0.3 %)								
Latest update: December 14, 2011									