

# Analytical Data Sheet

Lot number

**1048171**

not for drug use

<b>Catalog Number</b>	F-1110.0100
<b>Product number</b>	4030329.0100
<b>Product</b>	H- β- 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, crystalline powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in water)								
<b>Identification (IR)</b>	complies with reference								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 40.4%</td> <td>C = 40.3%</td> </tr> <tr> <td>H = 7.9%</td> <td>H = 7.6%</td> </tr> <tr> <td>N = 15.7%</td> <td>N = 15.7%</td> </tr> </table>	Theory	Found	C = 40.4%	C = 40.3%	H = 7.9%	H = 7.6%	N = 15.7%	N = 15.7%
Theory	Found								
C = 40.4%	C = 40.3%								
H = 7.9%	H = 7.6%								
N = 15.7%	N = 15.7%								
<b>Identification (TLC)</b>	complies with authentic material								
<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>Other amino acids (GC)</b>	< 0.3%								
<b>Assay (elemental analysis)</b>	99.6% (Nth 15.72%, Nfd 15.65%)								
Latest update: May 15, 2013									