

# Analytical Data Sheet

Lot number

## 1043052

not for drug use

<b>Catalog Number</b>	H-3590.1000
<b>Product number</b>	4010208.1000
<b>Product</b>	H- Gly- Phe- Ala- OH
<b>Molecular formula</b>	C <sub>14</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub>
<b>Relative molecular mass</b>	293.32

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in AcOH 80 %)
<b>Identification (TLC)</b>	conforms with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -10.1^\circ$ (2 % in HCl 1 N)
<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 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	96.5% (Nth 14.33 %, Nfd 13.83 %)
Latest update: June 13, 2012	

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