

## Analytical Data Sheet

Lot number **1073912**  
not for drug use

**Catalog number** A-1730.0500  
**Product number** 4001229.0500  
**Product** Boc- Gly- OH  
**Molecular formula** C<sub>7</sub>H<sub>13</sub>NO<sub>4</sub>  
**Relative molecular mass** 175.19

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol) essentially clear solution (0.5 mmol/mL in dichlormethane)								
<b>Identification (elemental analysis)</b>	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 48.0 %</td> <td>C = 47.7 %</td> </tr> <tr> <td>H = 7.5 %</td> <td>H = 7.5 %</td> </tr> <tr> <td>N = 8.0 %</td> <td>N = 8.0 %</td> </tr> </tbody> </table>	Theory	Found	C = 48.0 %	C = 47.7 %	H = 7.5 %	H = 7.5 %	N = 8.0 %	N = 8.0 %
Theory	Found								
C = 48.0 %	C = 47.7 %								
H = 7.5 %	H = 7.5 %								
N = 8.0 %	N = 8.0 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	89.9 °C								
<b>Purity (TLC)</b>	> 99%								
<b>Related impurities (TLC)</b>	< 0.05% H-Gly-OH < 0.1% Boc-Gly-Gly-OH								
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Other amino acids (GC)</b>	< 0.3%								
<b>Assay (titration)</b>	100.2% (TBAH)								

Latest update: October 31, 2017

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