

## Analytical Data Sheet

Lot number **1055840**  
not for drug use

Catalog number **G-4100.1000**  
Product number **4016441.1000**  
Product **Phenylac- Gly- Lys- OH**  
Molecular formula  $C_{16}H_{23}N_3O_4$   
Relative molecular mass 321.38

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution ( 5 % in AcOH 80 %)
Specific optical rotation	$[\alpha]_D^{24} = + 6.8^\circ$ (1 % in acetic acid 80 %)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	89% (Nth 13.1 %, Nfd 11.6 %)
General comment	The product contains IsOH (4.7 %) and H <sub>2</sub> O

Latest update: October 15, 2014

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