

Analytical Data Sheet

Lot number **1069227**
not for drug use

Catalog number **H-3275.1000**
Product number **4006341.1000**
Product **H- Gly- Ala- Tyr- OH**
Molecular formula $C_{14}H_{19}N_3O_5$
Relative molecular mass 309.32

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/ml in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -11.1^\circ$ (1 % in water) $[\alpha]_{365}^{24} = -18.0^\circ$ (1 % in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	92% (Nth 13.58 %, Nfd 12.46 %)
Water content (KF volumetric)	7.9%

Latest update: January 02, 2017

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