

Analytical Data Sheet

Lot number **1000003707**
not for drug use

Catalog number **H-3615.0001**
Product number **4002533.0001**
Product **H- Gly- Pro- Ala- OH**
Molecular formula $C_{10}H_{17}N_3O_4$
Relative molecular mass 243.26

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -137.9^\circ$ (1% in water)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Ala-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	96.5% (Nth 17.27%, Nfd 16.67%)
Water content (KF volumetric)	3.8%

Latest update: August 02, 2018

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