

Analytical Data Sheet

Lot number **1000032298**
not for drug use

Catalog number **H-3630.0250**
Product number **4008512.0250**
Product **H- Gly- Pro- Hyp- OH**
Molecular formula $C_{12}H_{19}N_3O_5$
Relative molecular mass 285.30

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	≥ 96%
Related impurities (TLC)	< 0.5% Z-Gly-Pro-Hyp-OBzl < 2% H-Hyp-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	95.2% (Nth 14.73%, Nfd 14.02%)
Water content (KF volumetric)	3.2%

Latest update: May 11, 2020

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