

Analytical Data Sheet

Lot number **1000020588**
not for drug use

Catalog number **M-1775.0050**
Product number **4012165.0050**
Product **H- Pro- Leu- Gly- NHOH · HCl**
Molecular formula $C_{13}H_{24}N_4O_4 \cdot HCl$
Relative molecular mass 336.82

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
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)	75.8% (Nth 18.65 %, Nfd 14.14 %)
Water content (KF volumetric)	0.7%
Residual organic solvents (GC)	14.8% isopropanol
Chloride content (titration)	9.0% (AgNO ₃)
General comment	product is hygroscopic

Latest update: August 19, 2019

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