

Analytical Data Sheet

Lot number **1000008394**
not for drug use

Catalog number **L-1880.0250**
Product number **4025614.0250**
Product **H- Gly- Pro- pNA · HCl**
Molecular formula **C₁₃H₁₆N₄O₄ · HCl**
Relative molecular mass **328.76**

Tests	Results								
Appearance	pale yellowish powder								
Appearance of solution	clear, slightly yellowish solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 47.68 %</td><td>C = 47.47 %</td></tr><tr><td>H = 5.61 %</td><td>H = 5.57 %</td></tr><tr><td>N = 10.02 %</td><td>N = 10.16 %</td></tr></tbody></table> <p>calc. as 1 HCl (10.4 %) x 0.2 H₂O (1.0 %) x 1.5 Ether (3.2 %) x 0.07 EtOAc (1.8 %)</p>	Theory	Found	C = 47.68 %	C = 47.47 %	H = 5.61 %	H = 5.57 %	N = 10.02 %	N = 10.16 %
Theory	Found								
C = 47.68 %	C = 47.47 %								
H = 5.61 %	H = 5.57 %								
N = 10.02 %	N = 10.16 %								
Identification (TLC)	conforms with authentic material								
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)	94.8% (Nth 17.04 %, Nfd 16.16 %)								
Water content (KF volumetric)	0.6%								
Residual organic solvents (GC)	3.3% Ether 1.7% EtOAc								
Chloride content (titration)	10.4% (AgNO ₃)								

Latest update: November 13, 2018

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