

Analytical Data Sheet

Lot number **1000011447**
not for drug use

Catalog number **G-3960.0250**
Product number **4011293.0250**
Product **H- Thr- Pro- OH · HCl**
Molecular formula **C₉H₁₆N₂O₄ · HCl**
Relative molecular mass **252.70**

Tests	Results
Appearance	white product
Appearance of solution	clear, colorless solution (50 mg/ml in water)
Identification (elemental analysis)	Theory Found C = 42.04 % C = 42.22 % H = 6.98 % H = 6.67 % N = 10.89 % N = 11.01 %
Identification (TLC)	conforms with authentic material
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	85.0% (Nth 12.95 %, Nfd 11.01 %)
Water content (KF volumetric)	3.0%
Chloride content (titration)	12.8% (AgNO ₃)
General comment	product is very hygroscopic

Latest update: September 10, 2019

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