

Analytical Data Sheet

Lot number **1067268**
not for drug use

Catalog number **L-1285.0050**
Product number **4007356.0050**
Product **H- Gly- Arg- pNA · 2 HCl**
Molecular formula **C₁₄H₂₁N₇O₄ · 2 HCl**
Relative molecular mass **424.29**

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 38.5% C = 38.8%</p> <p>H = 5.6% H = 5.6%</p> <p>N = 22.4% N = 22.6%</p> <p>calc. as 2 HCl (16.7%) x 0.7 H₂O (3%)</p>
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA < 0.5% HOSU
TLC conditions	<p>n-butanol/acetic acid/H₂O 4/2/2</p> <p>ethylacetate/pyridine/acetic acid/H₂O 60/30/9/16.5</p> <p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, ninhydrin, TMB</p>
Assay (elemental analysis)	97.7% (Nth 23.11%, Nfd 22.59%)
Water content (KF volumetric)	3.3%
Chloride content (titration)	16.3% (AgNO ₃)

Latest update: August 10, 2016

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