

Analytical Data Sheet

Lot number **1000018629**
not for drug use

Catalog number **L-2115.0100**
Product number **4029223.0100**
Product **Z- D- Arg- Gly- Arg- pNA · 2 HCl**
Molecular formula **C₂₈H₃₉N₁₁O₇ · 2 HCl**
Relative molecular mass **714.61**

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, colorless solution (50 mg/mL in 50% methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.25% (TFA)
Purity (TLC)	≥ 98%
Related impurities (TLC)	< 0.1% pNA (p-Nitroaniline)
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	94.7% (Nth 21.56%, Nfd 20.42%)
Water content (KF volumetric)	2.6%
Chloride content (titration)	9.4%

Latest update: July 10, 2019

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