

Analytical Data Sheet

Lot number **1000017177**
not for drug use

Catalog number **L-1025.0250**
Product number **4004007.0250**
Product **Ac- Arg- pNA · HCl**
Molecular formula **C₁₄H₂₀N₆O₄ · HCl**
Relative molecular mass **372.81**

Tests	Results
Appearance	yellowish powder
Appearance of solution	clear, yellowish solution
Identification (TLC)	Rf value in agreement with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA < 0.1% H-Arg-pNA < 0.1% H-Arg-OH
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	88.6%(Nth 22.54%, Nfd 19.96%)
Water content (KF volumetric)	0.4%
Residual organic solvents (GC)	ethylacetate 1.36% (LOQ 281 mg/kg, LOD 84 mg/kg) ethanol 2.22% (LOQ 239 mg/kg, LOD 72 mg/kg) IPE 4.98% (LOQ 993 mg/kg, LOD 298 mg/kg) toluene (LOQ 221 mg/kg, LOD 66 mg/kg)
Chloride content (titration)	9.7%

Latest update: June 19, 2019

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