

Analytical Data Sheet

Lot number **1000017771**
not for drug use

Catalog number **L-1045.0250**
Product number **4004444.0250**
Product **Ac- Lys- pNA hydrochloride salt**
Molecular formula **C₁₄H₂₀N₄O₄**
Relative molecular mass **308.34**

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in water)
Identification (TLC)	complies 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, TMB
Assay (elemental analysis)	82.2% (Nth 18.17%, Nfd 14.94%)
Water content (KF volumetric)	0.2%
Chloride content (titration)	14.5%
General comment	hygroscopic product

Latest update: June 28, 2019

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