

Analytical Data Sheet

Lot number **1000018271**
not for drug use

Retest date n/a
Catalog number **L-1385.1000**
Product number **4000902.1000**
Product **Suc- Ala- Ala- Ala- pNA**
Molecular formula $C_{19}H_{25}N_5O_8$
Relative molecular mass 451.44

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (25 mg/ml in dimethylformamide)
Identification (ESI-MS)	m = 451.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% p-Nitroaniline < 0.2% H-Ala-Ala-Ala-pNA
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 acetonitrile/H ₂ O 7/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	100.8% (Nth 15.51 %, Nfd 15.63 %)
Water content (KF volumetric)	0.5%

Latest update: July 16, 2019

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