

Analytical Data Sheet

Lot number

1073579

not for drug use

Catalog number	L-1400.1000
Product number	4002299.1000
Product	Suc- Ala- Ala- Pro- Phe- pNA
Molecular formula	C ₃₀ H ₃₆ N ₆ O ₉
Relative molecular mass	624.65

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA (p-Nitroaniline) < 0.1% H-Ala-Ala-Pro-Phe-pNA · HCl
TLC conditions	chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.3% (Nth 13.45%, Nfd 13.35%)
Water content (KF volumetric)	1.2%

Latest update: September 25, 2017

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