

Certificate of Analysis

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Code:	083-02	DSM Code:	5038378
Product:	Pefachrome® PL 5262		
Lot:	41425301	Manufacturing date:	02/2010
Analysis No.:	7441425301	Retest date:	10/2019

Filling	Bulk
Chemical formula	$C_{28}H_{40}N_6O_5 \cdot 2C_2H_4O_2$
Identity	H-D-But-CHA-Lys-pNA · 2AcOH
Molecular weight	624.7 g/mol
Storage conditions	In a closed container, protected from moisture, in the dark, +2 to +8°C. Shipment of product does not require cooling during the time of transportation.

Tests, Parameters:	Specification:	Results:
Appearance	pale yellow powder	corresponds
Thin-layer chromatography butanol : acetic acid : water [8:2:2]	corresponds to reference chromatogram	corresponds
Identity by FT-IR	corresponds to reference spectrum	corresponds
Solubility in methanol : water [1+9] (c = 25 mg/ml)	soluble	corresponds
Purity by RP-HPLC	≥ 95 rel. area-%	98 rel. area-%
MS-ESI [M+H]	505.3 ± 1.0	505.3
Digestible by trypsin	≥ 90 %	98 %
"Free" p-Nitroanilin	≤ 0.5 %	0.1 %

This lot was analysed and released by our authorized Quality Assurance Department and was found to meet the specifications as given above.

Basle/Switzerland: 25.07.2017 / ags

Frédéric Crevoisier / QA

On behalf of the responsible department:

