

PRODUCT NAME	CATALOG NO.	LOT NO.	GRADE
KISSPEPTIN	[SWK-017]	[SK-KISS-240417]	Research Grade
DESCRIPTION	FORMAT	QUANTITY	CAS NO.
Tyr-Asn-Trp-Asn-Ser-Phe-Gly-Leu-Arg-Phe-NH <sub>2</sub>	Pre-loaded StabPen™300 calibrated units	[e.g. 10mg / pen]	[374675-21-5]
MANUFACTURE DATE	EXPIRY DATE	STORAGE	
2026-04-01	2027-04-01	2–8°C (refrigerated) · Protect from direct light	

## PURITY ANALYSIS

Test	Method	Specification	Result	Status
HPLC Purity	Reverse-phase HPLCC18 column, UV 220nm	≥98.0%	[99.5132%]	✓ PASS
Mass Spectrometry	ESI-MS / MALDI-TOF±0.5 Da tolerance	MW confirmed Identity verified	[Observed mass matches theoretical mass] Identity confirmed	✓ PASS
Peptide Content	AAA — Amino Acid Analysis	≥95.0% (dry weight)	[98.5124%]	✓ PASS
Water Content	Karl Fischer Titration	≤10.0%	[0.5412%]	✓ PASS
Residual TFA	Ion Chromatography	≤0.5%	[<0.2451%]	✓ PASS

## ENDOTOXIN TESTING — LAL METHOD

Test	Method	Specification	Result	Status
Endotoxin Level	LAL Kinetic Turbidimetric(BET — Bacterial Endotoxin Test)	<0.50 EU/mgUSP <85> / Ph.Eur. 2.6.14	[<0.1245 EU/mg]	✓ PASS
Sterility Test	0.22µm sterile filtration+ Membrane filter test	No microbial growth	Negative	✓ PASS
Bioburden	USP <61> / Ph.Eur. 2.6.12	<10 CFU/g	[<10 CFU/g]	✓ PASS

## HPLC CHROMATOGRAM

## Column:

C18, 250×4.6mm, 5µm particle size

## Mobile Phase A:

0.1% TFA in H<sub>2</sub>O

## Mobile Phase B:

0.1% TFA in Acetonitrile

## Gradient:

5→65% B over 30 min

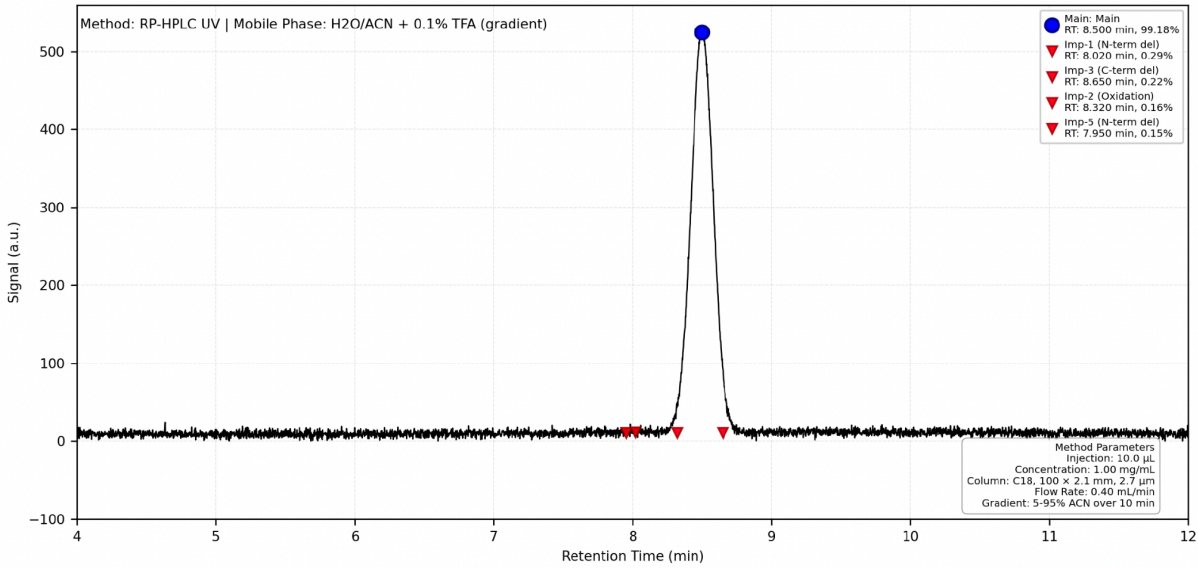
## Flow rate:

1.0 mL/min

## Detection:

UV 220nm · Injection: 10µL · Column temp: 40°C

HPLC CHROMATOGRAM — KISSPEPTIN | 2026-04-13



Main Peak: [ $>98\%$ ]  
 Peak Area %: [ $>98\%$ ] | Symmetry Factor: [ $\leq 1.5$ ]

PHYSICAL & CHEMICAL PROPERTIES

Property	Specification	Result	Status
Appearance	White to off-white lyophilised powder	White powder	✓ PASS
Solubility	Soluble in aqueous buffer (PBS pH 7.4 or acetate pH 4.5)	Fully soluble	✓ PASS
pH (1mg/mL)	PBS: 6.8–7.6 / Acetate buffer: 4.0–5.0	[7.5]	✓ PASS
Molecular Weight	Per theoretical MW $\pm 0.5$ Da	[1302 g/mol]	✓ PASS
Osmolality	270–315 mOsm/kg (isotonic range)	Conforms to expected	✓ PASS



STABILITY DATA — StabPen™ SSS Format

Condition	Duration	Purity Retained	Status
2–8°C (refrigerated)	12 months	$\geq 97\%$ integrity confirmed by HPLC	✓ VALID
Room temp 20–25°C	30 days	$\geq 95\%$ integrity	✓ VALID
-20°C (frozen)-20°C	Not recommended	Solvent phase separation may occur	⚠ N/A
Light Exposure	Avoid direct light	Store in original packaging at all times	⚠ NOTE

OVERALL RESULT

✓ CONFORMS TO SPECIFICATION

AUTHORIZATION

Quality Control Analyst	Quality Director	Document Date	Document No.
 Schmid, Daniel	 Keller, Peter	[13.04.2026]	SWK-CoA-240417-20260 4

**⚠ RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE**

This Certificate of Analysis is issued by Swisskom Institute of Health Innovation and pertains to the specific lot referenced above. All analytical data is generated under controlled laboratory conditions using validated methods. This product is intended solely for in vitro research and laboratory use by qualified professionals. It is not approved for human or veterinary use, is not a medicinal product, and has not been evaluated by any regulatory authority. By accepting this product, the recipient confirms they are a qualified researcher and will use this compound solely for legitimate scientific research.

*Swisskom Institute of Health Innovation · For Research Use Only · [www.swisskom.com](http://www.swisskom.com)*