CRAFA
PEPTIDE & COMPOUND ANALYSIS

Independent Peptide & Research-Compound Testing
14 Mill Lane, Cambridge, United Kingdom

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-2089
Issued: 2026-10-16

PRODUCT IDENTIFICATION

PRODUCT	SKU / INTERNAL CODE
Semax + Selank 10 mg + 10 mg	CRF-2026-2089
PRESENTATION	BATCH NUMBER
Lyophilised powder, 20 mg vial	LOT-2610-2089

CLIENT	SAMPLE RECEIVED	ANALYSIS DATE
veltispeptides.mx	2026-10-11	2026-10-14

PRODUCTION DATE	ISSUED	EXPIRY / RETEST
2026-10-09	2026-10-16	2028-10-16

MOLECULAR FORMULA

Blend (C37H51N9O10S + C33H57N11O9)

MOLECULAR WEIGHT	CAS NUMBER
813.9 / 751.9	80714-61-0 / 129954-34-3

ANALYTICAL METHOD

PANEL

SILVER - HPLC-UV + LC-MS/MS + ICP-MS (Pb/As/Cd/Hg) + LAL endotoxin

METHOD

RP-HPLC-UV 214 nm · LC-MS/MS ESI Q-TOF · ICP-MS · LAL kinetic chromogenic (USP <85>)

INSTRUMENT

Waters Xevo G3 · Agilent 7900 ICP-MS · Charles River Endosafe nexgen-PTS

Column: C18 2.1×100mm | Temperature: 35°C | Mobile phase: 0.1% TFA H2O / ACN | Flow: 0.4 mL/min | Retention time: 8.9 / 5.8 min

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1. PURITY & ASSAY - RP-HPLC-UV (214 nm)

Test	Specification	Result	Status
HPLC Purity	≥98.0%	99.3%	PASS
Quantity (total)	95.0-105.0%	19.9 mg (99.5%)	PASS
Ratio Check (1:1)	±5%	10.0 / 9.9 mg	PASS

RESEARCH USE ONLY - NOT FOR HUMAN OR VETERINARY USE

2. LC-MS/MS STRUCTURAL CONFIRMATION

Test	Reported data	Status
Semax - Theoretical [M+H]+	814.9 | Observed: 815.1 | Δ +0.20 Da	PASS
Selank - Theoretical [M+H]+	752.9 | Observed: 753.0 | Δ +0.10 Da	PASS
Sequence Coverage	Semax 100% · Selank 100%	PASS
Key fragments	Semax b3 411.3 / y4 481.2 · Selank b3 411.3 / y3 340.2	PASS
Modifications	Semax N-acetyl confirmed; Selank termini free	PASS
Cross-contamination	none - both masses baseline-resolved	PASS

3. HEAVY METALS - ICP-MS (USP <232>/<233>)

Test	Specification	Result	Status
Pb	≤5.0 µg/g	<0.05 µg/g	PASS
As	≤15.0 µg/g	<0.10 µg/g	PASS
Cd	≤2.0 µg/g	<0.02 µg/g	PASS
Hg	≤3.0 µg/g	<0.01 µg/g	PASS

4. ENDOTOXIN - LAL kinetic chromogenic (USP <85>)

Test	Reported data	Status
Result	<1.0 EU/mg limit | 0.31 EU/mg | PPC recovery 82%	PASS

FINAL BATCH RESULT

PASS - Conforms to specifications

ANALYST NOTES

Dual nootropic blend. Both peptides fully resolved; no co-elution, no deamidation of Semax Met residue above 0.4%. Ratio confirmed by UV and MS peak-area agreement within 2%.

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