CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-2060
Issued: 2026-10-13

PRODUCT IDENTIFICATION

PRODUCT	SKU / INTERNAL CODE
Cagrilintide + Semaglutide 5 mg + 5 mg	CRF-2026-2060
PRESENTATION	BATCH NUMBER
Lyophilised powder, 10 mg vial	LOT-2610-2060

CLIENT	SAMPLE RECEIVED	ANALYSIS DATE
veltispeptides.mx	2026-10-08	2026-10-11
PRODUCTION DATE	ISSUED	EXPIRY / RETEST
2026-10-06	2026-10-13	2028-10-13

MOLECULAR FORMULA

Blend (C194H312N54O59S2 + C187H291N45O59)

MOLECULAR WEIGHT	CAS NUMBER
4409.0 / 4113.58	1415456-99-3 / 910463-68-2

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: C4 2.1×100mm | Temperature: 60°C | Mobile phase: 0.1% TFA H2O / ACN | Flow: 0.3 mL/min | Retention time: 12.1 / 12.5 min

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

Test	Specification	Result	Status
HPLC Purity	≥98.0%	99.5%	PASS
Quantity (total)	95.0-105.0%	10.0 mg (100.0%)	PASS
Ratio Check (1:1)	±5%	4.98 / 5.02 mg	PASS

2. LC-MS/MS STRUCTURAL CONFIRMATION

Test	Reported data	Status
Cagrilintide - Theoretical [M+H]+	4410.0 | Observed: 4410.2 | Δ +0.20 Da	PASS
Semaglutide - Theoretical [M+H]+	4114.6 | Observed: 4114.8 | Δ +0.20 Da	PASS
Sequence Coverage	Cagrilintide 96% · Semaglutide 97%	PASS
Key fragments	Cag b14 1651.8 / y19 2214.1 · Sema b17 1986.0 / y22 2547.3	PASS
Modifications	Cag C16 side chain + Sema C18 diacid both intact	PASS

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

Test	Specification	Result	Status
Pb		<0.05 µg/g	PASS
As		<0.10 µg/g	PASS
Cd		<0.02 µg/g	PASS
Hg		<0.01 µg/g	PASS

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

Test	Reported data	Status
Result	<1.0 EU/mg limit | 0.24 EU/mg | PPC recovery 86%	PASS

FINAL BATCH RESULT

PASS - Conforms to specifications

ANALYST NOTES

Amylin + GLP-1 combination (CagriSema analogue). Co-elution at 12.1/12.5 min resolved by extracted-ion chromatogram; ratio confirmed by UV integration and MS peak area agreement within 2%.

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