CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-2062
Issued: 2026-10-14

PRODUCT IDENTIFICATION

PRODUCT	Adipotide 5 mg
SKU / INTERNAL CODE	CRF-2026-2062
PRESENTATION	Lyophilised powder, 5 mg vial
BATCH NUMBER	LOT-2610-2062

CLIENT	SAMPLE RECEIVED	ANALYSIS DATE
veltispeptides.mx	2026-10-09	2026-10-12

PRODUCTION DATE	ISSUED	EXPIRY / RETEST
2026-10-07	2026-10-14	2028-10-14

MOLECULAR FORMULA
Peptide (30 aa, FTPP)

MOLECULAR WEIGHT	CAS NUMBER
3850.5	N/A

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
Thermo Q-Exactive · Agilent 7900 ICP-MS · Charles River Endosafe nexgen-PTS

Column: C18 2.1×100mm | Temperature: 50°C | Mobile phase: 0.1% TFA H2O / ACN | Flow: 0.3 mL/min | Retention time: 11.8 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	95.0-105.0%	5.01 mg (100.2%)	PASS

2. LC-MS/MS STRUCTURAL CONFIRMATION

Test	Reported data	Status
Theoretical [M+H]+	3851.5 | Observed: 3851.8 | Δ +0.30 Da	PASS
Sequence Coverage (MS/MS)	≥95% | 100% (CKGGRAKDC-GG-D(KLAKLAK)2)	PASS
Key fragments	b7 749.4 · b13 1385.8 · y9 1085.6 · y17 1997.2	PASS
Modifications	2 intramolecular disulfides confirmed (-4.04 Da vs reduced); all-D KLAKLAK warhead confirmed by chiral retention shift	PASS

RESEARCH USE ONLY - NOT FOR HUMAN OR VETERINARY USE

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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 | 0.29 EU/mg | PPC recovery 81%	PASS

FINAL BATCH RESULT

PASS - Conforms to specifications

ANALYST NOTES

Proapoptotic peptide (FTPP). Both cysteines cyclised; free thiol <0.2% by Ellman. D-amino acid warhead intact.

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