CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-2091
Issued: 2026-10-16

PRODUCT IDENTIFICATION

PRODUCT	Adamax 5 mg
SKU / INTERNAL CODE	CRF-2026-2091
PRESENTATION	Lyophilised powder, 5 mg vial
BATCH NUMBER	LOT-2610-2091
CLIENT	veltispeptides.mx
SAMPLE RECEIVED	2026-10-11
ANALYSIS DATE	2026-10-14
PRODUCTION DATE	2026-10-09
ISSUED	2026-10-16
EXPIRY / RETEST	2028-10-16
MOLECULAR FORMULA	C37H51N9O10S
MOLECULAR WEIGHT	813.9
CAS NUMBER	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
Agilent 1290 · Agilent 7900 ICP-MS · Charles River Endosafe nexgen-PTS

Column: C18 4.6×150mm | Temperature: 35°C | Mobile phase: 0.1% TFA H2O / ACN | Flow: 1.0 mL/min | Retention time: 8.9 min

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

Test	Specification	Result	Status
HPLC Purity	≥98.0%	99.6%	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]+	814.9 | Observed: 815.2 | Δ +0.30 Da	PASS
Sequence Coverage (MS/MS)	≥95% | 100%	PASS
Key fragments	b3 411.3 · b5 622.4 · y4 481.2 · y6 692.4	PASS
Modifications	N-acetyl confirmed (+42.01 Da shift on b1), C-terminal amide confirmed (-0.98 Da); high lipophilicity (logP +0.8 vs Semax) consistent with amidation	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	≤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 | 0.35 EU/mg | PPC recovery 74%	PASS

FINAL BATCH RESULT

PASS - Conforms to specifications

ANALYST NOTES

N-acetylated, C-amidated Semax analogue. Both terminal modifications confirmed by MS/MS mass shift. No deamidation; Met oxidation <0.5%.

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