CRAFA
PEPTIDE & COMPOUND ANALYSIS

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-0236
Issued: 2026-09-21

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

PRODUCT IDENTIFICATION

PRODUCT Semax 10 mg	SKU / INTERNAL CODE CRF-2026-0236	PRESENTATION Lyophilised powder, 10 mg vial
BATCH NUMBER CRF-2026-0236	SAMPLE RECEIVED 2026-09-14	PRODUCTION DATE 2026-09-08
ANALYSIS DATE 2026-09-19	EXPIRY / RETEST DATE 2028-09-19	MOLECULAR FORMULA (REFERENCE) C37H51N9O10S
MOLECULAR WEIGHT (G/MOL; REFERENCE) 813.9	CAS (REFERENCE) 80714-61-0	

Research Use Only (RUO). Not for human or veterinary use, consumption, or clinical diagnosis.

ANALYTICAL METHOD — HPLC

INSTRUMENT Agilent 1290	COLUMN C18 4.6×150mm	COLUMN TEMPERATURE 35°C
MOBILE PHASE A 0.1% TFA H2O	MOBILE PHASE B ACN	FLOW RATE 1.0 mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME 10 µL	SAMPLE CONCENTRATION 1.0 mg/mL
DILUENT —	RETENTION TIME (MAIN PEAK) 6.5 min	

Recorded methods: HPLC-UV (214 nm) · LC-MS/MS · LAL · ICP-MS

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.6%	PASS
Identity (Method not recorded)	813.9 ±2%	Obs: 857.9 [M+H]+	NOT RECORDED
Quantity found	95.0–105.0%	10.08 mg (100.8%)	PASS
Endotoxin	<1.0 EU/mg	<0.5 EU/mg	PASS
Heavy metals	<10 ppm	All <LOQ	PASS

Detected Impurities

No impurity data recorded.

FINAL BATCH RESULT

NOT RECORDED — Batch disposition pending

No chromatogram data recorded.

Analyst notes: Heptapeptide sequence intact, high CNS penetration profile.

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