CRAFA
PEPTIDE & COMPOUND ANALYSIS

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-1083
Issued: 2026-10-05

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

PRODUCT IDENTIFICATION

PRODUCT HCG 5000 IU	SKU / INTERNAL CODE CRF-HCG5000IU	PRESENTATION Lyophilised powder, 5000 IU vial
BATCH NUMBER LOT-2610-083	SAMPLE RECEIVED 2026-09-28	PRODUCTION DATE 2026-09-25
ANALYSIS DATE 2026-10-03	EXPIRY / RETEST DATE 2028-10-03	MOLECULAR FORMULA (REFERENCE) Glycoprotein
MOLECULAR WEIGHT (G/MOL; REFERENCE) ~36700	CAS (REFERENCE) 9002-61-3	

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

ANALYTICAL METHOD — HPLC

INSTRUMENT Thermo Q-Exactive	COLUMN C4 4.6×150mm	COLUMN TEMPERATURE 40°C
MOBILE PHASE A 0.1% TFA H2O	MOBILE PHASE B ACN	FLOW RATE 0.8 mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME 10 µL	SAMPLE CONCENTRATION 1.0 mg/mL
DILUENT —	RETENTION TIME (MAIN PEAK) 11.2 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)	~36700 ±5%	Obs: 36700 Da intact	PASS
Quantity found	95.0–105.0%	5010 IU (100.2%)	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

PASS — Conforms to specifications

No chromatogram data recorded.

Analyst notes: Alpha/beta subunit assembly confirmed, bioactivity verified.

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