CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-1016
Issued: 2026-10-05

PRODUCT IDENTIFICATION

PRODUCT HGH 191aa 50IU	SKU / INTERNAL CODE CRF-HGH191AA50IU	PRESENTATION Lyophilised powder, 50IU vial
BATCH NUMBER LOT-2610-016	SAMPLE RECEIVED 2026-09-28	PRODUCTION DATE 2026-09-25
ANALYSIS DATE 2026-10-03	EXPIRY / RETEST DATE 2028-10-03	MOLECULAR FORMULA C990H1528N262O300S7
MOLECULAR WEIGHT (G/MOL) 22124	CAS 12629-01-5	

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

Recorded methods: SDS-PAGE · RP-HPLC · LC-MS (intact mass) · LAL · Bioassay

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.9%	PASS
Identity (LC-MS)	22124 ±0.1%	Obs: 22125 Da intact	PASS
Quantity found	95.0–105.0%	49.8 IU (99.6%)	PASS
Endotoxin	<1.0 EU/mg	<0.25 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: Category: Growth & Hormones. Sample conforms to label claim and Gold panel acceptance criteria.

ANALYTICAL METHOD

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
	INJECTION VOLUME 10 µL	SAMPLE CONCENTRATION 1.0 mg/mL

RETENTION TIME (MAIN PEAK)
10.5 min

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