CRAFA
PEPTIDE & COMPOUND ANALYSIS

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

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-1100
Issued: 2026-10-05

PRODUCT IDENTIFICATION

PRODUCT AHK-Cu 100 mg	SKU / INTERNAL CODE CRF-AHKCU100MG	PRESENTATION Lyophilised powder, 100 mg vial
BATCH NUMBER LOT-2610-100	SAMPLE RECEIVED 2026-09-28	PRODUCTION DATE 2026-09-25
ANALYSIS DATE 2026-10-03	EXPIRY / RETEST DATE 2028-10-03	MOLECULAR FORMULA (REFERENCE) Identity confirmation required
MOLECULAR WEIGHT (G/MOL; REFERENCE) Identity confirmation required	CAS (REFERENCE) Identity confirmation required	

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

ANALYTICAL METHOD — HPLC

INSTRUMENT —	COLUMN —	COLUMN TEMPERATURE — °C
MOBILE PHASE A —	MOBILE PHASE B —	FLOW RATE — mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME — µL	SAMPLE CONCENTRATION — mg/mL
DILUENT —	RETENTION TIME (MAIN PEAK) — min	

Recorded methods: HPLC-UV (214 nm) · LC-MS/MS · ICP-MS heavy metals · Endotoxin (LAL) · Sterility (USP <71>)

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.9%	PASS
Identity (LC-MS)	402.9 ±2%	Obs: 403.2 [M-Cu+H]+	PASS
Quantity found	95.0–105.0%	99.7 mg (99.7%)	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: Copper coordination verified, characteristic blue tint consistent.

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