



CERTIFICATE OF ANALYSIS

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SAMPLE IDENTIFICATION

PRODUCT NAME	AHK-Cu	CLIENT	Cryonic Labs
LABEL STRENGTH	10MG	LOT / BATCH NO.	FL-2662-A72
MOLECULAR FORMULA	C16H25N7O4Cu	MANUFACTURE DATE	17 Jan 2026
MOLECULAR WEIGHT	402.96 g/mol	DATE OF ANALYSIS	26 Jan 2026
CAS NUMBER	127354-58-9	RETEST / EXPIRY	17 Jan 2028

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	STATUS
Appearance	Visual	White lyophilised powder	Conforms	PASS
Identification	MALDI-TOF MS	402.96 ± 1.0 amu	402.59 amu	PASS
Purity / Assay	HPLC-UV 220 nm	≥ 98.0 %	98.38 %	PASS
Retention Time	HPLC-UV 220 nm	Matches reference	13.67 min	PASS
Single Max Impurity	HPLC-UV 220 nm	≤ 1.00 %	0.54 %	PASS
Peptide Content	Nitrogen (Kjeldahl)	≥ 78.0 %	88.21 %	PASS
Water Content	Karl Fischer	≤ 6.0 %	1.58 %	PASS
Acetate Content	HPLC-IC	≤ 10.0 %	4.11 %	PASS
Bacterial Endotoxins	LAL Kinetic	< 0.50 EU/mg	0.11 EU/mg	PASS
Microbial Limits	USP <61>	< 100 CFU/g	< 10 CFU/g	PASS
Heavy Metals	ICP-MS	≤ 10 ppm	1.3 ppm	PASS
Sterility of Fill	USP <71>	No growth	No growth	PASS

CONCLUSION

The submitted sample of AHK-Cu (10MG), lot FL-2662-A72, was analysed under the methods listed above and conforms to all release specifications with a chromatographic purity of 98.38 %. Material is supplied for laboratory research use only. Not for human or veterinary use, and not for diagnostic or therapeutic application. Retain sample stored at -20 °C, protected from light.

98.38%
PURITY

Dr. M. Ellingsworth, Ph.D.

Laboratory Director, Freedom Laboratories LLC
Signed 26 Jan 2026 · Report No. COA-FL-2662-A72