

# CERTIFICATE OF ANALYSIS

Public sample verification record. Live customer batches require QA confirmation before file release.

PRODUCT NAME <b>AHK-Cu</b>	BATCH NO. <b>PS-AHKCU-2606-051</b>
MOLECULAR FORMULA <b>C15H24ClCuN6O4-</b>	SPECIFICATION <b>50 mg / vial</b>
MOLECULAR WEIGHT <b>451.4 g/mol</b>	MFG. DATE <b>16 June 2026</b>
CAS NO. <b>682809-81-0</b>	RETEST DATE <b>16 June 2028</b>
COA NO. <b>COA-PS-AHKCU-2606-051</b>	STORAGE <b>-20 °C, protect from light</b>

TEST ITEM	ACCEPTANCE CRITERIA	RESULT	STATUS
Appearance	White to off-white lyophilized powder	White to off-white lyophilized powder	Pass
Identification (LC-MS)	Consistent with reference standard or controlled identity file	Conforms	Pass
Peptide Purity (RP-HPLC)	NLT 98.0%	98.45%	Pass
Related Impurities (HPLC)	Each impurity NMT 1.0%; total NMT 2.0%	Each <= 0.73%; total 1.61%	Pass
Mass Spectrum (ESI-MS)	451.4 Da theoretical	451.4 Da	Pass
Peptide Content (Assay)	NLT 90.0% on dry basis	96.4%	Pass
Water Content (Karl Fischer)	NMT 7.0%	1.1%	Pass
Residual Solvents (GC)	ACN NMT 410 ppm; DCM NMT 600 ppm; MTBE NMT 5000 ppm	ACN 309 ppm; others N.D.	Pass
Heavy Metals (as Pb)	NMT 10 ppm	< 2 ppm	Pass
Bacterial Endotoxins	NMT 1 EU/mg	< 0.10 EU/mg	Pass
Microbial Limits	TAMC NMT 100 cfu/g; TYMC NMT 100 cfu/g	TAMC < 20; TYMC < 20 cfu/g	Pass
Fill Content	Catalog fill +/-10%	50 mg / vial	Pass

## QA APPROVAL

Testing completed 16 June 2026

*Kevin Fang*

Quality Assurance Reviewer - Kevin Fang · 17 June 2026

## DOCUMENT CONTROL

RELEASE DECISION

**Approved for sample verification**

DOCUMENT STATUS

**Demo record - QA confirmation required**

Sample notice: This public record demonstrates the PeptideSource verification format. Current customer lots require QA confirmation, order context, or controlled access before full release files are displayed.