

**ILS Laboratories**

8222 Vickers St, Suite 106, San Diego, CA 92111  
(619) 329-3999 | ils-lab.com

## AHK-Cu - 100mg

Tested for: Mile High Compounds  
www.milehighcompounds.is

**PASS**


COA #: COA-2026-RWRWJ9  
Lot Number: AHK-100-MH-01  
Accession #: ACC-2026-4642  
Labeled Content: 100mg

Analysis Date: 06/16/2026  
Appearance: Good  
Sample Matrix: Lyophilized  
Vial Size: 3mL  
Date Received: 06/11/2026



Scan to verify authenticity at ils-lab.com  
Access Code: UWE5W8EU

Method: Expanded QC Panel

Identity	Peptide Purity	 <b>Fentanyl Free</b>
<b>AHK-Cu</b>	<b>99.98%</b>	

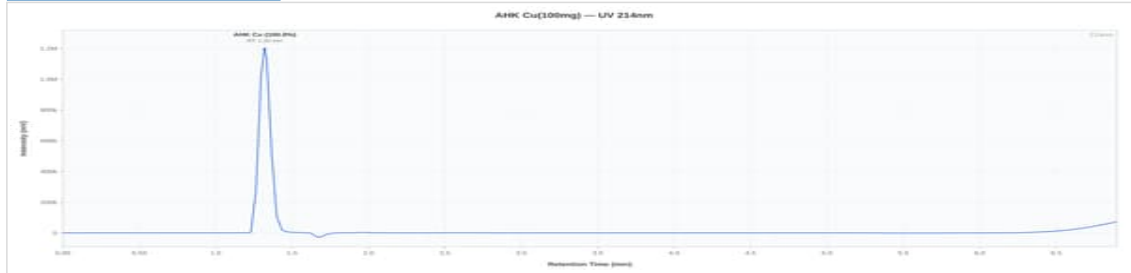


AHK-Cu 100mg - AHK-100-MH-01

### Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.98%	%	PASS
Net Peptide Content	Report Only	102.74	mg	N/A
Identity (HPLC-RTM)	AHK Cu	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

### HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.97% purity, closest to batch mean of 99.97%)

### HPLC Conformity Testing Results (3 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.97%	104.52 mg	Confirmed	PASS
Conformity V1	99.97%	104.37 mg	Confirmed	PASS
Conformity V2	99.98%	102.74 mg	Confirmed	PASS
Mean	99.97%	103.88 mg	—	—
Std Dev	0.0047%	0.8061 mg	—	—



  
**Dr. Greg Kalyuzhny**  
Lab Director  
6/16/2026

COA #: COA-2026-RWRWJ9  
Access Code: UWE5W8EU  
Verify: [portal.ils-lab.com/verify/q02ZXMS08vjSgttx](https://portal.ils-lab.com/verify/q02ZXMS08vjSgttx)  
Issued: 6/16/2026

**Heavy Metals Analysis (ICP-MS)**

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	Not Detected	PASS
Cadmium (Cd)	NMT 0.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 ppm	Not Detected	PASS

**Sterility Testing (USP <71>)**

Sample	TSB (Tryptic Soy Broth)	FTM (Fluid Thioglycollate)	Status
Sterility Culture V3	Pending	Pending	PENDING
Sterility Culture V4	Pending	Pending	PENDING
Sterility Culture V5	Pending	Pending	PENDING

**Endotoxin Testing (USP <85>)**

Test	Specification	Result	Status
Bacterial Endotoxin (LAL)	Report Result	Pending	PENDING

**Notes & Methodology**

1. Date Tested: 06/16/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be AHK-Cu by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
6. Chromatogram shown is representative: Dedicated V0 (99.97% purity, closest to batch mean of 99.97%).



*Handwritten signature of Dr. Greg Kalyuzhny*

**Dr. Greg Kalyuzhny**  
 Lab Director  
 6/16/2026

COA #: **COA-2026-RWRWJ9**  
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