Certificate of Analysis

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

GHK-Cu / KPV - 60mg

Tested for: Crush Research
https://www.crushresearch.shop/

PASS

COA #:	**COA-2026-P0FPZZ**	Method:	**Full QC Panel**
Lot Number:	**CR2604GHKKP60-01**	Analysis Date:	**06/05/2026**
Accession #:	**ACC-2026-3008**	Appearance:	**Good**
Labeled Content:	**60mg**	Sample Matrix:	**Lyophilized**
		Date Received:	**05/22/2026**

Scan to verify authenticity at ils-lab.com
Access Code: T3GJ9H2E

Identity	Peptide Purity	
GHK-Cu / KPV	**99.19%**	Fentanyl Free



GHK-Cu / KPV 60mg - CR2604GHKKP60-01

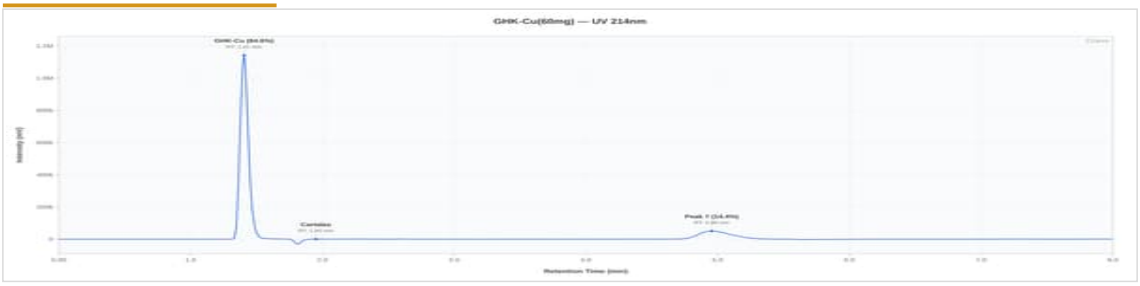
Blend Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.19%**	%	PASS
Identity (HPLC-RTM)	GHK-CU + KPV	**Confirmed**	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	PASS

Additional Tests

Analyte	Specification	Result	Unit	Status
Net Blend Peptide Content	Report Only	**62.95**	mg	N/A
-- GHK-Cu		*52.25*	*mg*	
-- KPV		*10.70*	*mg*	

HPLC Chromatogram



Representative chromatogram, Conformity V1 (99.19% purity, closest to batch mean of 99.19%)

HPLC Conformity Testing Results (3 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.18%	61.03 mg	Confirmed	PASS
Conformity V1	99.19%	62.95 mg	Confirmed	PASS
Conformity V2	99.19%	63.86 mg	Confirmed	PASS
Mean	**99.19%**	**62.61 mg**	—	—
Std Dev	**0.0047%**	**1.1796 mg**	—	—

Dr. Greg Kalyuzhny
Lab Director
6/5/2026

COA #: **COA-2026-P0FPZZ**
Access Code: **T3GJ9H2E**
Verify: portal.ils-lab.com/verify/Y_oJef6j21aTH-ku
Issued: 6/5/2026

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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 (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	**No Growth**	**PASS**

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	NMT 5 EU/mL	**NMT 0.05 EU/mL**	**PASS**

Acceptance criteria: NMT 5 EU/mL per client specification.

Notes & Methodology

1. Date Tested: 06/05/2026. Methods: Blend Purity & Quant (HPLC); Additional Tests.
2. The sample was confirmed to be GHK-Cu / KPV 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. Per-component content calculated from total net peptide content using the manufacturer's stated formulation ratio (GHK-Cu, KPV). All components confirmed present by HPLC identity testing, unless explicitly stated otherwise.
7. Chromatogram shown is representative: Conformity V1 (99.19% purity, closest to batch mean of 99.19%).

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