Certificate of Analysis

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

KLOW - 80mg

Tested for: Midwest Peptide
https://midwestpeptide.com/

PASS

Scan to verify authenticity at ils-lab.com
Access Code: CUNBZ68R

COA #:	**COA-2026-TOS5LE**	Analysis Date:	**08/03/2026**
Lot Number:	**MPKW003**	Appearance:	**Good**
Labeled Content:	**80mg**	Volume:	**3mL**
Volume:	**3mL**	Date Received:	**07/24/2026**

Method: **Full QC Panel**

Identity	Peptide Purity	
KLOW	**99.48%**	**Fentanyl Free**

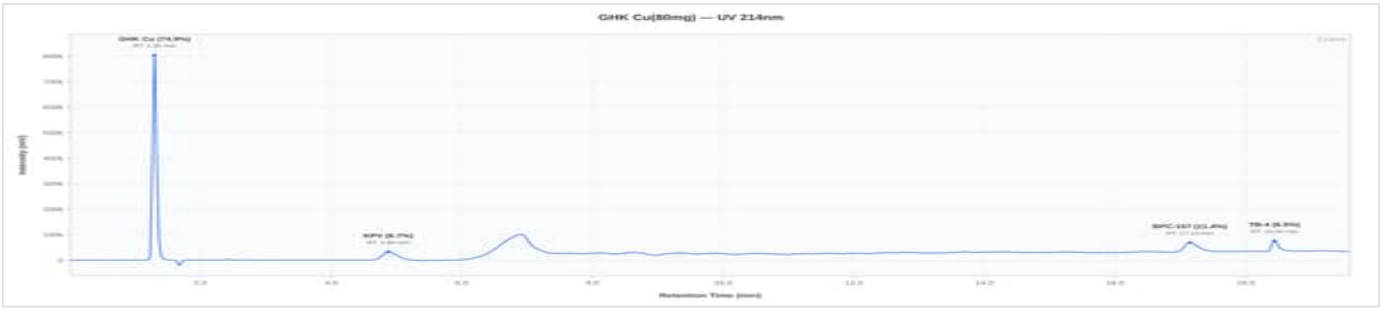


KLOW 80mg - MPKW003

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.48%**	%	**PASS**
Net Blend Peptide Content	Report Only	**85.37**	mg	N/A
-- GHK-Cu		*53.48*	*mg*	
-- BPC-157		*10.59*	*mg*	
-- TB-500		*10.81*	*mg*	
-- KPV		*10.48*	*mg*	
Identity (HPLC-RTM)	GHK-CU + BPC-157 + TB-500 + KPV	**Confirmed**	-	**PASS**
Identity (HPLC-RTM)	GHK-CU + BPC-157 + TB-500 + KPV	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



KLOW 80mg - MPKW003: UV Chromatogram

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Dr. Greg Kalyuzhny
Lab Director
8/3/2026

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Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0.625	**PASS**
Cadmium (Cd)	NMT 0.5 ppm	0.1264	**PASS**
Lead (Pb)	NMT 1.0 ppm	0.552	**PASS**
Mercury (Hg)	NMT 1.5 ppm	0.614	**PASS**
Chromium (Cr)	NMT 10.0 ppm	5.320	**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>)	Report Result	**NMT 0.05 EU/mL**	**Reported**

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Certificate Change History — **ILS QA**

Revision 1 – reissued October 30, 2026
Certificate statement updated. Test results are unchanged. Supersedes the original issued 08/03/2026.

Notes & Methodology

1. Date Tested: 08/03/2026. Methods: Full QC Panel.
2. The sample was confirmed to be KLOW 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, BPC-157, TB-500, KPV). All components confirmed present by HPLC identity testing, unless explicitly stated otherwise.

ILS LABS

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Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. This certificate relates only to the sample(s) tested.