Certificate of Analysis

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

KPV - 10mg

Tested for: Glow Aminos
www.glowaminos.com

PASS

COA #:	**COA-2026-412815**	Method:	**Full QC Panel**
Lot Number:	**GL-010137**	Analysis Date:	**06/11/2026**
Accession #:	**ACC-2026-4463**	Appearance:	**Good**
Labeled Content:	**10mg**	Sample Matrix:	**Lyophilized**
		Date Received:	**06/10/2026**

Scan to verify authenticity at ils-lab.com
Access Code: A2XJL2E5

Identity	Peptide Purity	
KPV	**99.69%**	**Fentanyl Free**



KPV 10mg - GL-010137

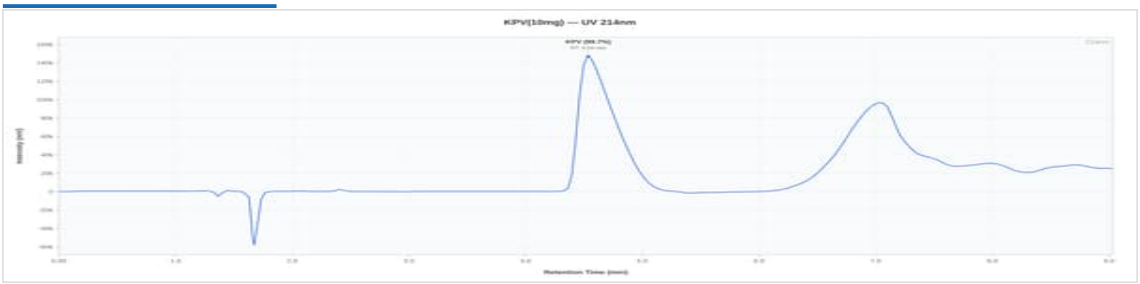
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.69%**	%	**PASS**
Net Peptide Content	Report Only	**10.24**	mg	N/A
Identity (HPLC-RTM)	KPV	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

Heavy Metals (ICP-MS)

Analyte	Specification	Result	Unit	Status
Heavy Metals				
Arsenic (As)	<= 1.5 ppm	**0.326**	ppm	**PASS**
Cadmium (Cd)	<= 0.5 ppm	**Not Detected**	ppm	**PASS**
Lead (Pb)	<= 1.0 ppm	**Not Detected**	ppm	**PASS**
Mercury (Hg)	<= 1.5 ppm	**Not Detected**	ppm	**PASS**
Chromium (Cr)	<= 10.0 ppm	**0.785**	ppm	**PASS**

HPLC Chromatogram



Representative chromatogram, Conformity V1 (99.69% purity, closest to batch mean of 99.68%)

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Dr. Greg Kalyuzhny
Lab Director
6/11/2026

COA #: **COA-2026-412815**
Access Code: **A2XJL2E5**
Verify: portal.ils-lab.com/verify/lNjVDcQ2i7F9S7Br
Issued: 6/11/2026

HPLC Conformity Testing Results (3 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.67%	10.51 mg	Confirmed	**PASS**
Conformity V1	99.69%	10.24 mg	Confirmed	**PASS**
Conformity V2	99.69%	10.45 mg	Confirmed	**PASS**
Mean	**99.68%**	**10.40 mg**	—	—
Std Dev	**0.0094%**	**0.1158 mg**	—	—

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	**0.1 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 06/11/2026.

Notes & Methodology

1. Date Tested: 06/11/2026. Methods: Purity & Quant (HPLC); Heavy Metals (ICP-MS).
2. The sample was confirmed to be KPV by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
4. 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.
5. Chromatogram shown is representative: Conformity V1 (99.69% purity, closest to batch mean of 99.68%).

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.