

## ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111  
(619) 329-3999

### KPV - 10mg

**PASS**

Tested for: UPrime Labs  
uprimelabs.com

COA #:	COA-2026-TDU6F0	Method:	Full QC Panel
Lot Number:	KPV0001	Analysis Date:	05/29/2026
Accession #:	ACC-2026-3140	Appearance:	Good
Concentration:	10mg	Volume:	3mL
Sample Matrix:	Lyophilized	Received:	05/22/2026

Identity  
**KPV**

Peptide Purity  
**99.20%**

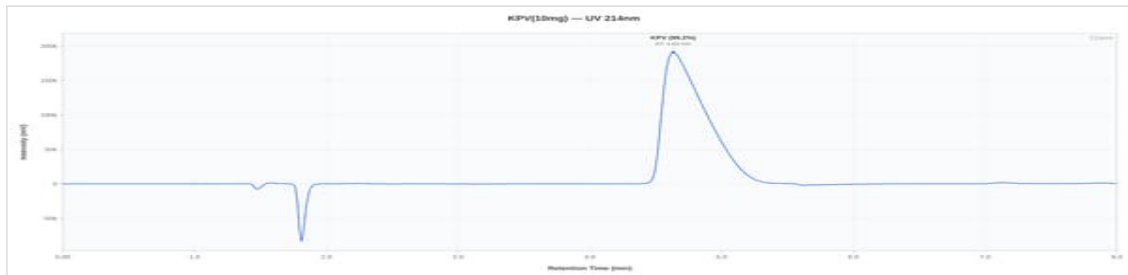
### Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.20%	%	PASS
Net Peptide Content	Report Only	10.58	mg	N/A
Identity (ID)	KPV	Confirmed	-	PASS



KPV 10mg - KPV0001

### HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.20% purity, closest to batch mean of 99.18%)

### HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.20%	10.58 mg	Confirmed	PASS
Conformity V1	99.15%	10.35 mg	Confirmed	PASS
Mean	99.18%	10.46 mg	—	—
Std Dev	0.0250%	0.1150 mg	—	—




**Dr. Greg Kalyuzhny**  
Lab Director  
5/29/2026

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Lot Number:	<b>KPV0001</b>	Analysis Date:	<b>05/29/2026</b>
Accession #:	<b>ACC-2026-3140</b>	Appearance:	<b>Good</b>
Concentration:	<b>10mg</b>	Volume:	<b>3mL</b>
Sample Matrix:	<b>Lyophilized</b>	Received:	<b>05/22/2026</b>

### Heavy Metals Analysis (ICP-MS)

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

### Sterility Testing (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	<b>No Growth</b>	<b>PASS</b>

### Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	<b>NMT 0.05 EU/mL</b>	<b>Reported</b>

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.

### Notes & Methodology

- Date Tested: 05/29/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be KPV by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- 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.
- Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
- 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.
- Chromatogram shown is representative: Dedicated V0 (99.20% purity, closest to batch mean of 99.18%).




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