



Client: Primal King Peptides

Certified: 09/14/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	PK-CAG	Form	Lyophilized Powder
Batch	PK99000191126	Labeled Qty	5 mg
Cap Color	Green	Crimp Color	Silver

TEST RESULTS

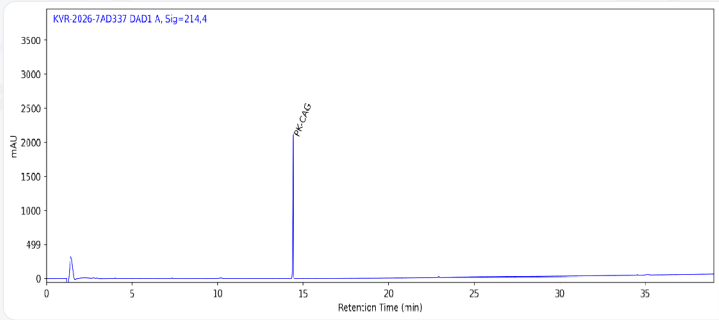
	REFERENCE STANDARD	RESULT
Purity	(>98%)	99.757%
Net Content	(~5mg)	5.86 mg
Identity Confirmation (LC-MS)	(PK-CAG)	PK-CAG
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS
Fentanyl Presence Analysis	(Not Detected)	Not Detected
Rapid Sterility Screening	(No Growth)	No Growth

HEAVY METAL SCREENING

Analyte	Result	Status
Arsenic (As)	Negative	
Cadmium (Cd)	Negative	
Lead (Pb)	Negative	
Mercury (Hg)	Negative	

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm



Lemar Arghandinal
Lab Director



koveralabs.com/verify

Report#: KVR-2026-7AD337
Access Code: 8D6DW78



CLIENT & SAMPLE INFORMATION

Client	Primal King Peptides	Certified Date	09/14/2026
Product Name	PK-CAG	Strength	5 mg
Lot / Batch	PK99000191126	Condition	Lyophilized

This Certificate of Analysis certifies that the sample listed herein was tested for bacterial endotoxin using a kinetic chromogenic LAL assay in accordance with USP <85> Bacterial Endotoxins Test.

TEST METHODOLOGY

Test Performed	Quantitative Bacterial Endotoxin Test	Compendial Ref	USP <85>
Assay Type	Kinetic Turbidimetric	Detection λ	660 nm
Detection Range	0.01 - 1.0 EU/mL	Endotoxin Std	E. coli O111:B4
Dilution Vol	2.0 mL	Matrix	LAL Reagent Water

QUANTITATIVE RESULTS

Parameter	Result
Endotoxin Level	< 0.04 EU/mL
Acceptance Limit	≤ 0.5 EU/mL
Sample CV (%)	3.8%
Spike CV (%)	5.0%
Spike Recovery (%)	83%
Final Determination	PASS

CONTROLS

Control	Expected	Observed	Status
Positive Control	Detectable	As expected	Pass
Negative Control	No signal	As expected	Pass

INTERPRETATION

Endotoxin content was quantitatively determined using a kinetic chromogenic LAL assay in accordance with USP <85>. Result reported as below quantitation threshold. The measured endotoxin level meets the specified acceptance criteria. The sample passes the endotoxin limit test.

AUTHORIZATION

REVIEWED BY
Lemar Arghandiwal
Lab Director



CLIENT & SAMPLE INFORMATION

Client	Primal King Peptides	Certified Date	September 16, 2026
Product Name	PK-CAG	Strength	5 mg
Lot / Batch	PK99000191126	Condition	Lyophilized

ICP-MS metals analysis performed using EPA-referenced methods; results evaluated against internal acceptance criteria.

TEST METHODOLOGY

Test Performed	Elemental Impurities Analysis	Instrument	ICP-MS
Sample Prep	HNO ₃ / H ₂ O ₂ matrix	Calibration	Multi-element standard curve
Internal Std	Sc, Ge, In, Bi	Material Type	Raw Material (Research Use)

ELEMENTAL IMPURITIES RESULTS

Element	Result (ppm)	Acceptance Limit (ppm)	Status
Pb Lead	< 0.5	≤ 10	PASS
As Arsenic	< 0.15	≤ 1.5	PASS
Cd Cadmium	< 0.05	≤ 0.5	PASS
Hg Mercury	< 0.3	≤ 3	PASS

METHOD SUITABILITY (SPIKE RECOVERY)

Element	Spike Level	Recovery	Criteria
Pb Lead	5 ppm	98%	70–150%
As Arsenic	0.75 ppm	102%	70–150%
Cd Cadmium	0.25 ppm	95%	70–150%
Hg Mercury	1.5 ppm	91%	70–150%

Spike recovery confirms method suitability for the sample matrix.

INTERPRETATION

Elemental impurities were determined using ICP-MS with EPA-referenced analytical methods. All tested elements (Pb, As, Cd, Hg) are below the stated acceptance limits. Spike recovery values fall within acceptable ranges, confirming method suitability. The sample meets the stated acceptance criteria for elemental impurities.

QUALITY CONTROL

Method Blank: Pass CCV: Pass Duplicate RPD: < 20%

AUTHORIZATION

REVIEWED BY
Lemar Arghandiwal
Lab Director





CLIENT & SAMPLE INFORMATION

Client	Primal King Peptides	Sample Name	PK-CAG
Lot Number	PK99000191126	Sample Matrix	Lyophilized Powder
Date Received	09/14/2026	Certified Date	09/16/2026

TEST METHODOLOGY

RAPID STERILITY SCREENING METHOD

Sample is reconstituted and incubated in growth media under controlled conditions. Cultures are monitored for microbial growth over the incubation period. This rapid screening method provides preliminary sterility assessment and is suitable for quality control purposes. For regulatory compliance, full compendial sterility testing may be required.

TEST RESULTS

TEST PARAMETER	SPECIFICATION	RESULT	STATUS
Bacteria (Aerobic/Anaerobic)	No Growth	No Growth	PASS
Fungi / Yeast	Not Detected	Not Detected	PASS
TEST METHOD Rapid Sterility	INCUBATION PERIOD 2 days	TEMPERATURE 30-35C	

FINAL DETERMINATION



STERILITY SCREEN RESULT

SAMPLE PASSES STERILITY SCREEN

No microbial growth detected during incubation period

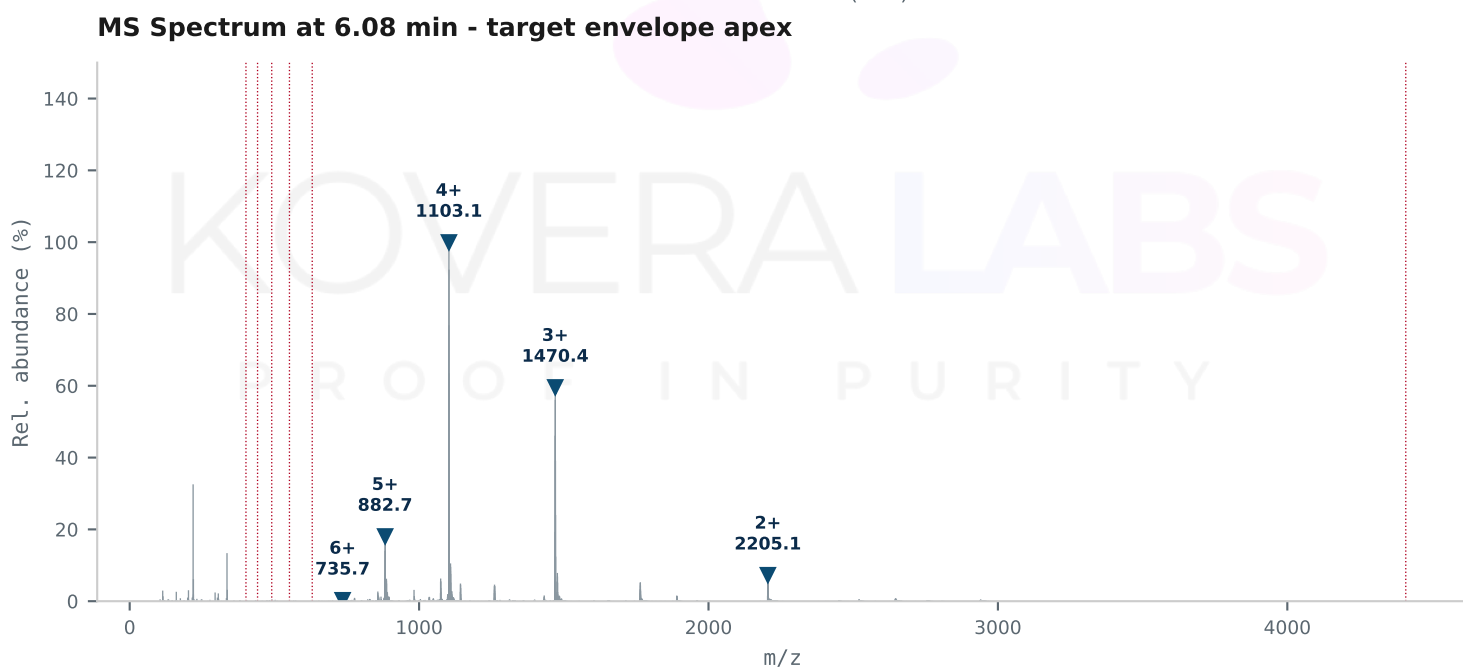
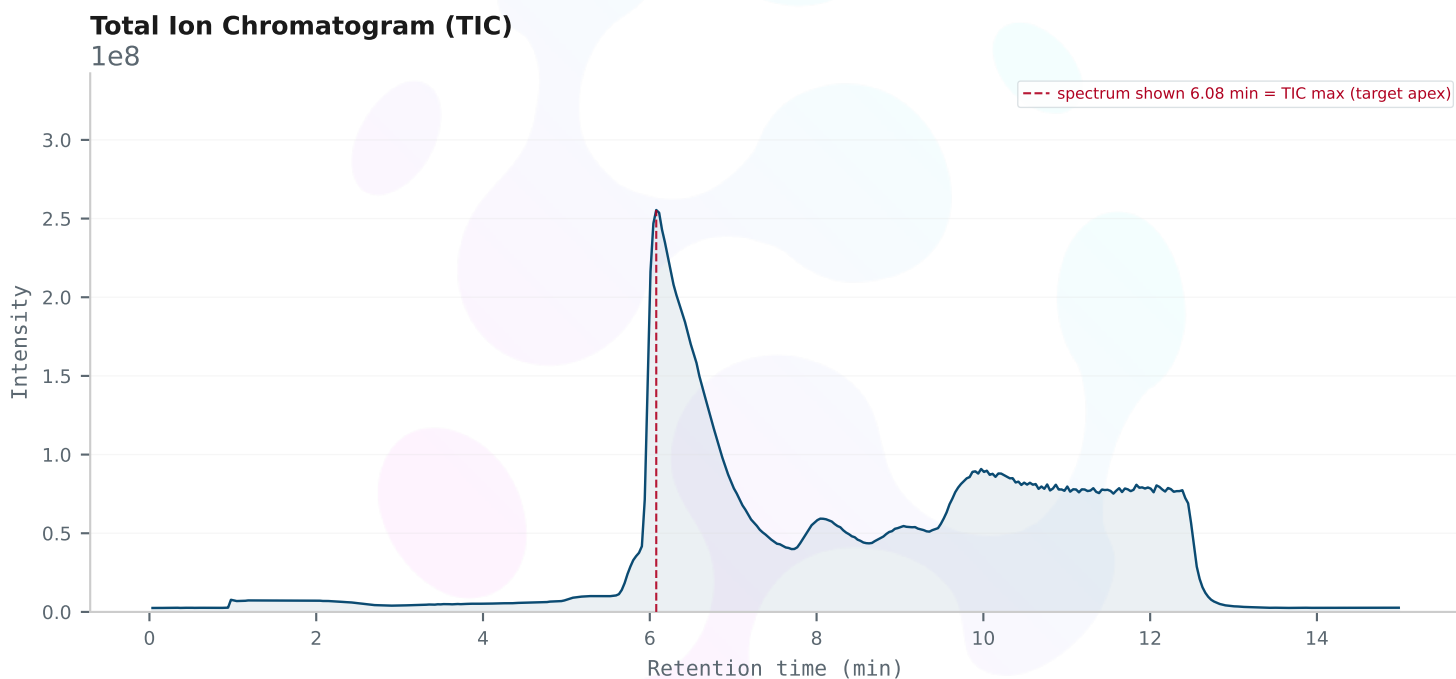


Mass Spectrometry Report

LC/MS (ESI Q-TOF) identity confirmation

CAGRILINTIDE - DETECTED

Sample Name : PRI-134503 7AD337 CAGRI 5mg Compound : Cagrilintide
Report ID : KVR-2026-7AD337 Order : PRI-134503
Acquired : 2026-09-16 18:17:57 Polarity : + (ESI)
Expected : 4406.25 Da (monoisotopic) Coverage : 5/10 (50%)



Mass Spectrometry Report

LC/MS (ESI Q-TOF) identity confirmation

Adulterant & Excipient Screen

Presumptive accurate-mass screen of EVERY MS1 scan for common RUO excipients/fillers and controlled-substance adulterants (fentanyl class), matched through $[M+H]^+$, $[M+Na]^+$, $[M+K]^+$, $[M+NH_4]^+$ adducts.

FENTANYL / ADULTERANT SCREEN: NOT DETECTED

Species	Class	Adduct	Target m/z	Obs m/z	RT (min)	Rel %	Scans
Mannitol	Excipient	$[M+Na]^+$	205.068	205.071	1.25	100.0	35

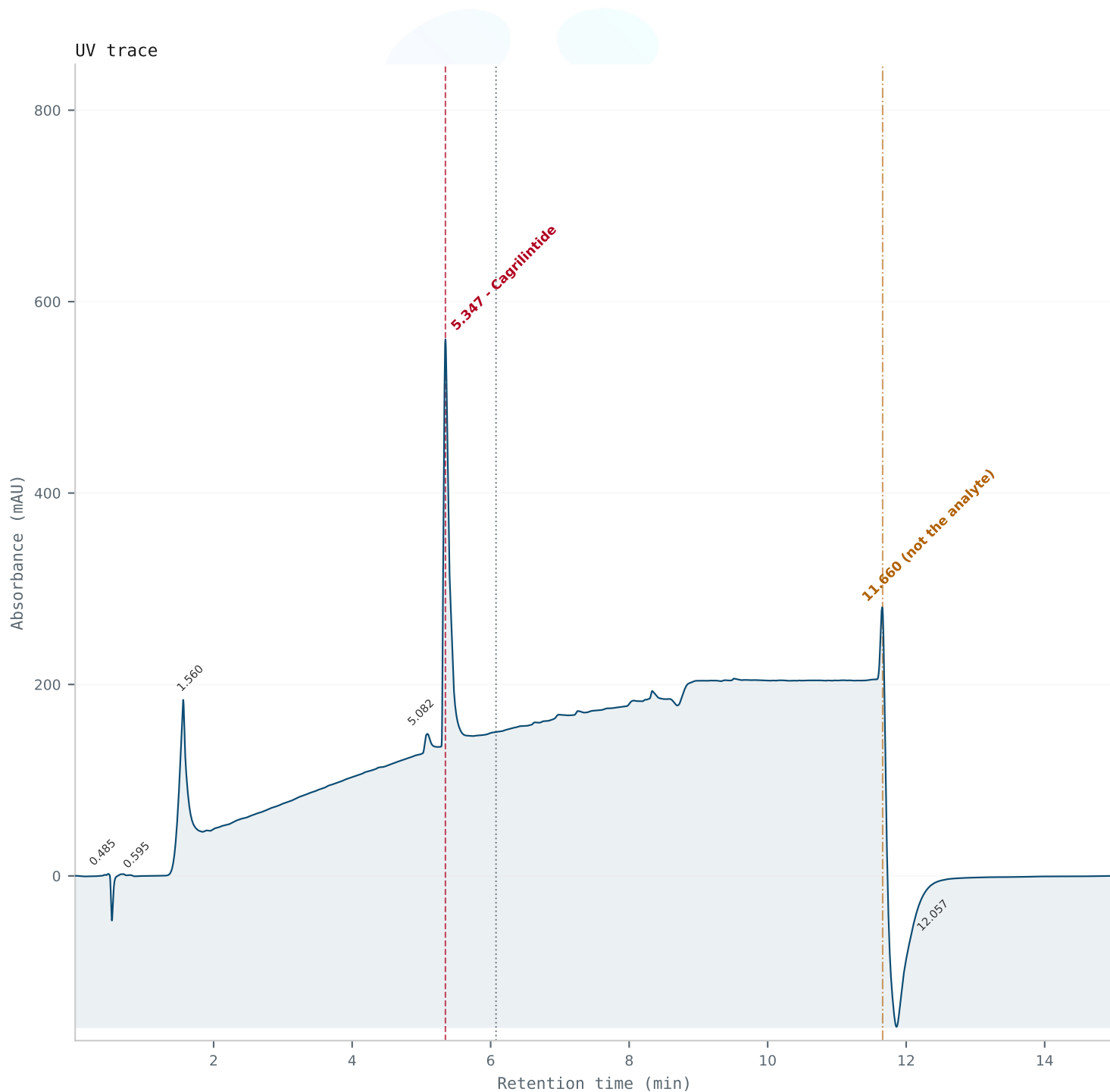
SCREEN, NOT CONFIRMATION. Single-stage accurate-mass ESI+ cannot distinguish isobaric compounds without MS/MS. A hit is a presumptive flag; confirm any controlled-substance (fentanyl-class) detection by MS/MS or a reference standard before any release or reporting decision. Absence of a hit does not guarantee absence of an adulterant outside this library or below the screen threshold. Excipient/filler hits are expected in many RUO products (lyoprotectants, buffers, bacteriostatic agents) and are informational.

Mass Spectrometry Report

LC/MS (ESI Q-TOF) identity confirmation

UV / DAD Chromatogram

Diode-array trace acquired on the same injection as the MS data. Channel: 214 nm



THE LARGEST UV PEAK IS NOT THE ORDERED COMPOUND: the largest peak (11.66 min) is a different chromatographic feature - another constituent, or a blank-subtraction artefact. The band that corresponds to the ordered compound's MS ion is marked separately and is the smaller of the two. No net content or purity is derived from this trace on this report - the DAD trace is used here for identification support only.