

ILS Laboratories

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

Semax - 10mg



Tested for: Southern Aminos

31938 Temecula Pkwy, Suite A PMB #361 Temecula, CA 92592 | www.southernaminos.com

COA #: COA-2026-TQU9-E
Lot Number: SX100826R
Accession #: ACC-2026-15668
Labeled Content: 10mg

Analysis Date: 08/19/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 3mL
Date Received: 08/12/2026

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: 8J9DHA6W

Method: Full QC Panel

Identity	Peptide Purity	
Semax	99.90%	 Fentanyl Free

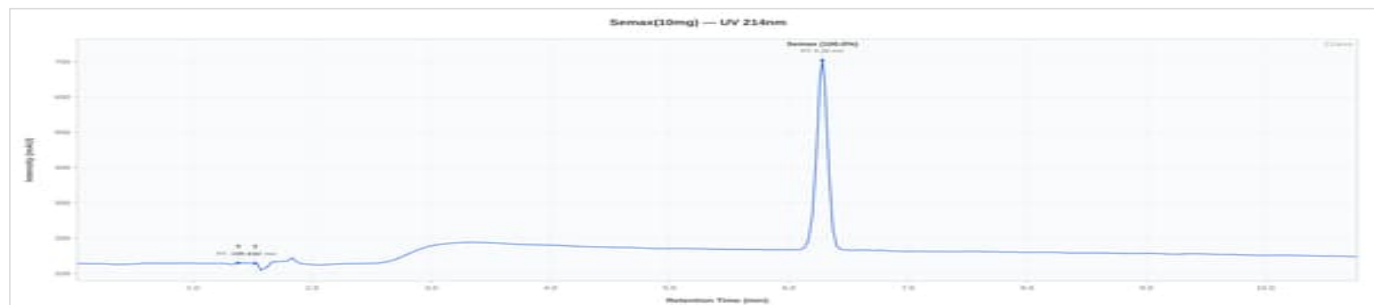
Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.90%	%	PASS
Net Peptide Content	Report Only	10.29	mg	N/A
Identity (HPLC-RTM)	Semax	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



Semax 10mg - SX100826R

HPLC Chromatogram



Representative chromatogram, Conformity V6



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
8/19/2026

COA #: COA-2026-TQU9-E
Access Code: 8J9DHA6W
Verify: portal.ils-lab.com/verify/TRiZ-u9v9qREZIFW
Issued: 8/19/2026

HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.90%	10.29 mg	Confirmed	PASS
Conformity V1	99.90%	10.59 mg	Confirmed	PASS
Conformity V2	99.90%	10.54 mg	Confirmed	PASS
Conformity V3	99.90%	10.51 mg	Confirmed	PASS
Conformity V4	99.90%	10.26 mg	Confirmed	PASS
Conformity V5	99.90%	10.32 mg	Confirmed	PASS
Conformity V6	99.61%	10.22 mg	Confirmed	PASS
Conformity V7	98.99%	10.15 mg	Confirmed	PASS
Mean	99.75%	10.36 mg	—	—
Std Dev	0.3025%	0.1533 mg	—	—

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
Lead (Pb)	NMT 1 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10 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>)	Report Result	0.214 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.



Dr. Greg Kalyuzhny
Lab Director
8/19/2026

COA #: **COA-2026-TQU9-E**
Access Code: **8J9DHA6W**
Verify: <portal.ils-lab.com/verify/TRiZ-u9v9qREZIFW>
Issued: 8/19/2026

Notes & Methodology

1. Date Tested: 08/19/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be Semax 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 chromogenic 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. Purity values are capped at 99.9% to reflect instrument limit of detection (LOD). Trace impurities below the detection threshold may be present.
7. Chromatogram shown is representative: Conformity V6 (99.61% purity, closest to batch mean of 99.75%).
8. This certificate reports analytical results for the sample(s) submitted to ILS Laboratories for testing. All sample identifications, product names, brand names, lot/batch numbers, and labeled content are provided by the submitting party and have not been independently verified. Results reflect only the analytical testing of the specific sample(s) provided and do not constitute an evaluation or endorsement of the manufacturer's processes, quality systems, or overall production. ILS Laboratories makes no representations regarding the intended use, safety, efficacy, regulatory status, or intellectual property ownership of any materials tested.



Dr. Greg Kalyuzhny
Lab Director
8/19/2026

COA #: **COA-2026-TQU9-E**
Access Code: **8J9DHA6W**
Verify: portal.ils-lab.com/verify/TRiZ-u9v9qREZIFW
Issued: 8/19/2026