

ILS Laboratories

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(619) 329-3999 | ils-lab.com

Semax - 10mg



Tested for: LifeGen Labs
LifeGenLabs.com

COA #: COA-2026-5TF8LY
Lot Number: 5051
Accession #: ACC-2026-10151
Labeled Content: 10mg

Analysis Date: 09/01/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 3mL
Date Received: 07/16/2026

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: 3D3FM55N

Method: Full QC Panel

Identity

Semax

Peptide Purity

99.90%



Fentanyl
Free

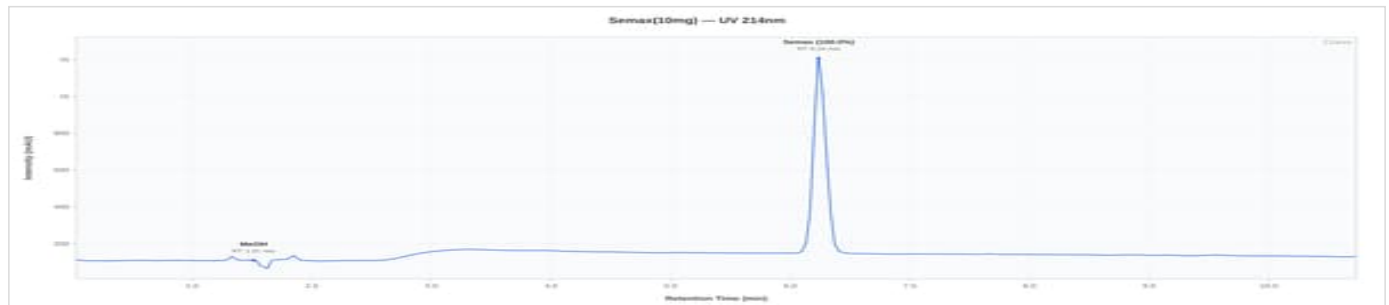
Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.90%	%	PASS
Net Peptide Content	Report Only	10.56	mg	N/A
Identity (HPLC-RTM)	Semax	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



Semax 10mg - 5051

HPLC Chromatogram



Semax 10mg - 5051: UV Chromatogram

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 1.0 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Chromium (Cr)	NMT 10.0 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>)	NMT .5 EU/mL	0.146 EU/mL	PASS

Acceptance criteria: NMT .5 EU/mL per client specification.

Notes & Methodology

1. Date Tested: 09/01/2026. Methods: Full QC Panel.
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. Accreditation Scope: ILS Laboratories maintains ISO/IEC 17025 accreditation for activities listed in its published PJLA scope. Peptide testing reported on this certificate is performed for Research Use Only.
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.



Issued by ILS Laboratories
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ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
9/1/2026

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