

ILS Laboratories

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

Semax - 10mg

PASS

Tested for: UPrime Labs

uprimelabs.com

COA #: **COA-2026-6SWY9Y**
 Lot Number: **SMX0001**
 Accession #: **ACC-2026-3130**
 Concentration: **10mg**
 Sample Matrix: **Lyophilized**

Method: **Full QC Panel**
 Analysis Date: **05/29/2026**
 Appearance: **Good**
 Volume: **3mL**
 Received: **05/22/2026**

Identity
Semax

Peptide Purity
99.53%

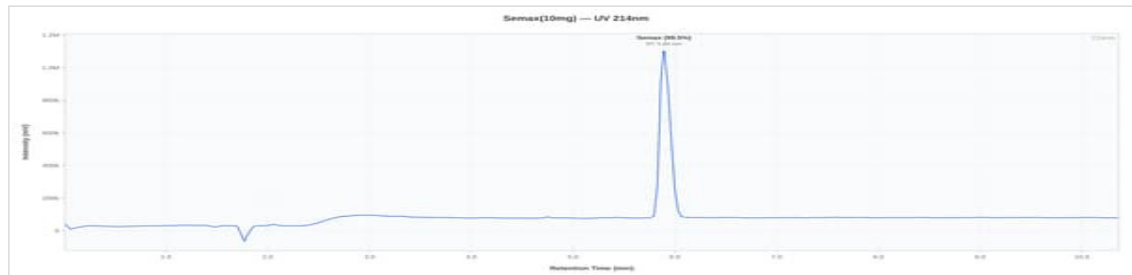
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.53%	%	PASS
Net Peptide Content	Report Only	10.53	mg	N/A
Identity (ID)	Semax	Confirmed	-	PASS



Semax 10mg - SMX0001

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.53% purity, closest to batch mean of 99.40%)

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.53%	10.53 mg	Confirmed	PASS
Conformity V1	99.26%	10.2 mg	Confirmed	PASS
Mean	99.40%	10.36 mg	—	—
Std Dev	0.1350%	0.1650 mg	—	—




Dr. Greg Kalyuzhny
 Lab Director
 5/29/2026

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Sample Matrix:	Lyophilized	Received:	05/22/2026

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
Chromium (Cr)	NMT 10 ppm	Not Detected	PASS
Mercury (Hg)	NMT 1.5 ppm	Not Detected	PASS
Lead (Pb)	NMT 1 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	NMT 0.05 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.

Notes & Methodology

- Date Tested: 05/29/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be Semax 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 (99.53% purity, closest to batch mean of 99.40%).




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