



Certificate of Analysis

ILS Laboratories

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

Semax - 10mg

Tested for: NextGen Peptides

PASS

COA #: COA-2026-SMB9FY
Lot Number: SMX-09
Accession #: ACC-2026-1785
Concentration: 10mg
Sample Matrix: Lyophilized

Method: Full QC Panel
Analysis Date: 05/06/2026
Appearance: Good
Volume: 3mL
Received: 05/01/2026



Scan to verify
authenticity at ils-lab.com

Identity

Semax

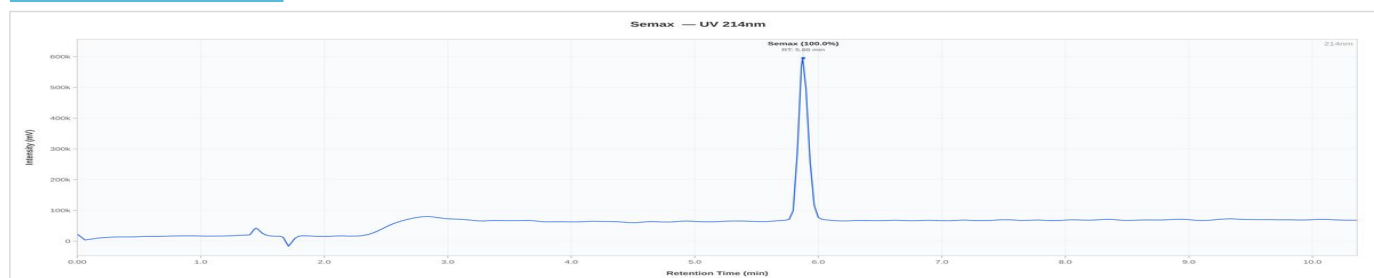
Purity

99.77%

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.77%	%	PASS
Net Peptide Content	Report Only	10.39	mg	N/A

HPLC Chromatogram



Representative chromatogram, Conformity V2 (99.51% purity, closest to batch mean of 99.37%)

HPLC Conformity Testing Results (4 samples tested)

Sample	Purity	NPC	Result
Dedicated V0	99.03%	10.34 mg	PASS
Conformity V1	99.77%	10.39 mg	PASS
Conformity V2	99.51%	10.36 mg	PASS
Conformity V3	99.15%	10.57 mg	PASS
Mean	99.37%	10.41 mg	—
Std Dev	0.2930%	0.0912 mg	—



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
5/6/2026

COA #: COA-2026-SMB9FY
Access Code: 0EUFXTDX
Verify: portal.ils-lab.com/verify/DxVIIIGCFES80-r8R
Issued: 5/6/2026

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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	Unit	Status
Sterility (PCR)	No Growth	No Growth	-	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Unit	Status
Endotoxin (USP <85>)	< 0.25 EU/mL	0.163 EU/mL		PASS

Notes & Methodology

- Date Tested: 05/06/2026. Methods: Purity & Quant (HPLC).
- 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 route-of-administration standard.
- Chromatogram shown is representative: Conformity V2 (99.51% purity, closest to batch mean of 99.37%).



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