



Certificate of Analysis

All tests passed. This certificate is verified and authentic.

TESTED FOR

Peptide America

Product Information

Product
Semax - 10mg

Lot Number
TCW-SEMX

Appearance
Good

Test Type
Purity, Identity & Quantitation (HPLC)

Date Received
08/07/2026

Analysis Confirmed
08/18/2026



Confirmed Fentanyl Free

Immunoassay, 50 ng/mL cutoff

Test Results — Purity, Identity & Quantitation (HPLC)

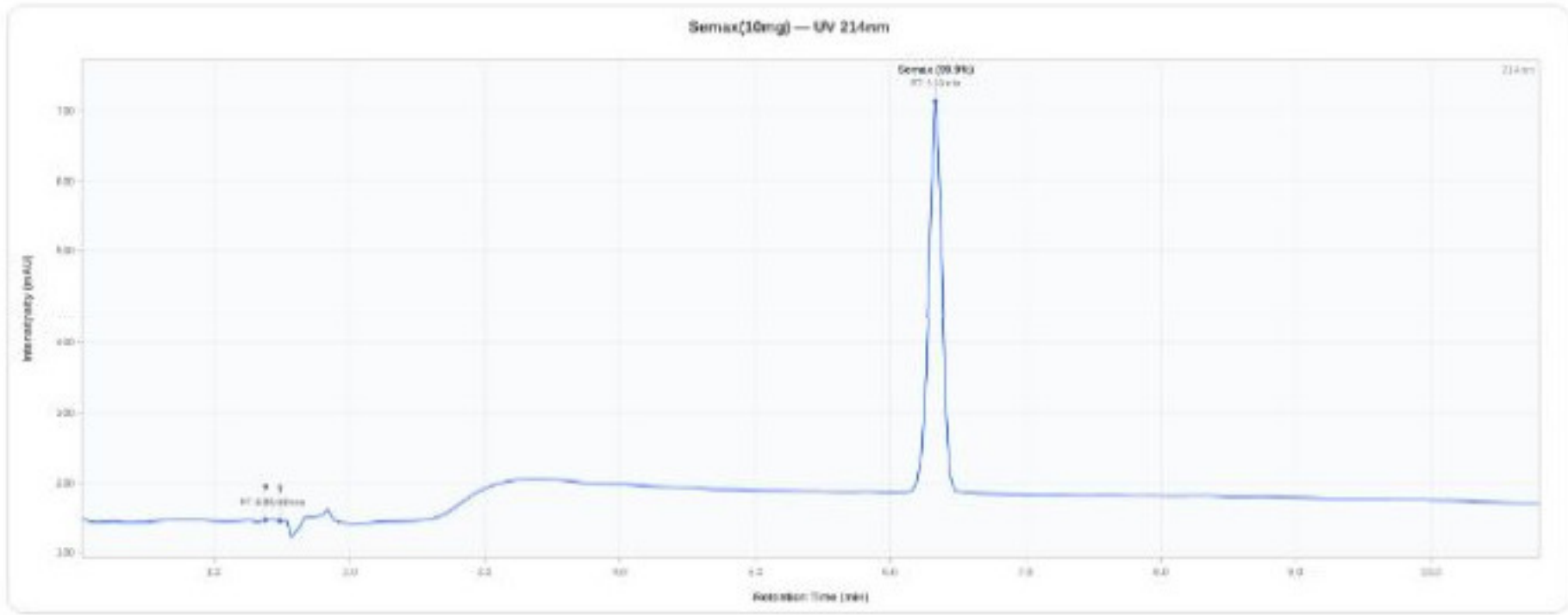
Analyte	Limit	Result	Unit	Status
Peptide Purity (HPLC)	≥ 95.0%	99.90%	%	PASS
Net Peptide Content	Report Only	10.5	mg	N/A
Identity (ID)	Semax	Confirmed	-	PASS

Elemental Impurities — ICP-MS per USP (233)

Element	Limit (ppm)	Result (ppm)	Status
Arsenic (As)	≤ 1.5 ppm	0.274 ppm	PASS
Cadmium (Cd)	≤ 0.5 ppm	< LOQ	PASS
Chromium (Cr)	≤ 10 ppm	< LOQ	PASS
Mercury (Hg)	≤ 1.5 ppm	0.0586 ppm	PASS
Lead (Pb)	≤ 1 ppm	< LOQ	PASS

Overall: PASS

HPLC Chromatogram



NOTES & METHODOLOGY

- Date Tested: 8/27/2026. Methods: Purity, Identity & Quantitation (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.
- 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.
- Purity values are capped at 99.9% to reflect instrument limit of detection (LOD). Trace impurities below the detection threshold may be present.
- 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.
- 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
08/18/2026

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