Certificate of Analysis

ILS Laboratories

Diego, CA 92111

Semax - 10mg

4X TESTED

PASS

Tested for: GPA Labs

COA #:	**COA-2026-DPAF9Y**	Analysis Date:	**11/23/2026**
Lot Number:	**GPA-B1-SMX10**	Appearance:	**Good**
Accession #:	**ACC-2026-26414**	Sample Matrix:	**Lyophilized**
Labeled Content:	**10mg**	Volume:	**3mL**
		Date Received:	**11/16/2026**

Method: **Purity, Identity & Quantitation (HPLC)**

Identity	Peptide Purity	
Semax	**99.90%**	Fentanyl Free

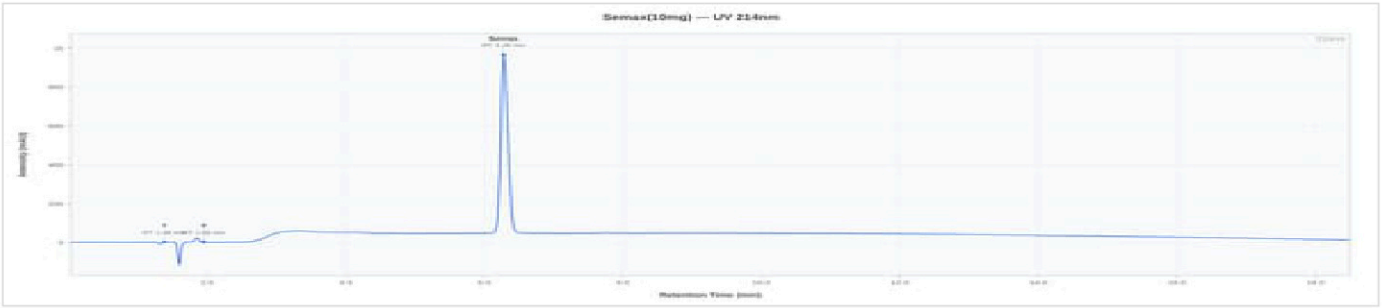


Semax 10mg - GPA-B1-SMX10

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.90%**	%	**PASS**
Net Peptide Content	Report Only	**10.58**	mg	N/A
Identity (HPLC-RTM)	Semax	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Semax 10mg - GPA-B1-SMX10: UV Chromatogram

Notes & Methodology

1. Date Tested: 11/23/2026. 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. 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.
4. Purity values are capped at 99.9% to reflect instrument limit of detection (LOD). Trace impurities below the detection threshold may be present.
5. Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. Peptide testing is performed for Research Use Only.
6. 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

Dr. Greg Kalyuzhny
Lab Director
11/23/2026