

ILS Laboratories

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

SEMAX SPRAY - 25mg

Tested for: Amino Club
aminoclub.com

COA #: COA-2026-YEQMQP
Lot Number: SSMX0001
Accession #: ACC-2026-14829
Labeled Content: 25mg

Analysis Date: 08/12/2026
Appearance: Good
Sample Matrix: Liquid/Solution
Vial Size: 15mL
Date Received: 08/06/2026

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: B4FYHKZV

Method: Full QC Panel

Identity

SEMAX SPRAY

Peptide Purity

99.91%



Fentanyl
Free

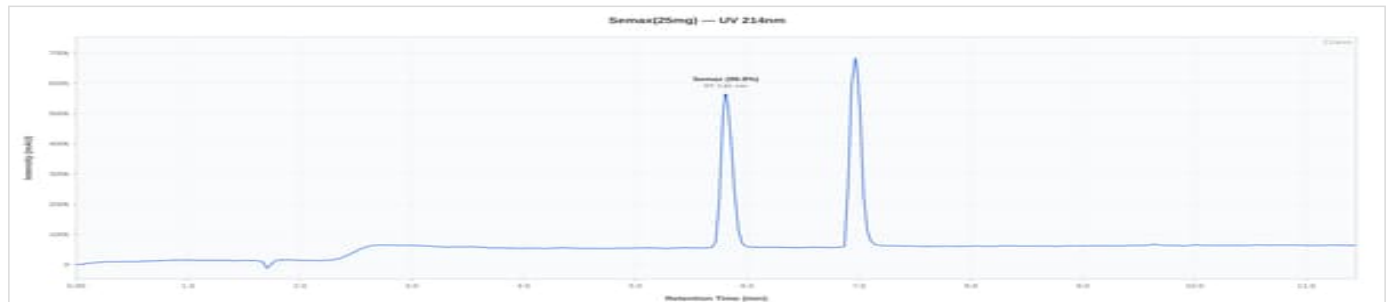
Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.91%	%	PASS
Net Peptide Content	Report Only	26.27	mg	N/A
Identity (HPLC-RTM)	Semax	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



SEMAX SPRAY 25mg - SSMX0001

HPLC Chromatogram



Representative chromatogram, Dedicated V0

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.91%	26.27 mg	Confirmed	PASS
Conformity V1	99.83%	25.87 mg	Confirmed	PASS
Mean	99.87%	26.07 mg	—	—
Std Dev	0.0400%	0.2000 mg	—	—



Dr. Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
8/12/2026

COA #: COA-2026-YEQMQP
Access Code: B4FYHKZV
Verify: portal.ils-lab.com/verify/DQuls4Y-Y43WWT17
Issued: 8/12/2026

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
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>)	Report Result	0.139 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

1. Date Tested: 08/12/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be SEMAX SPRAY 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. Chromatogram shown is representative: Dedicated V0 (99.91% purity, closest to batch mean of 99.87%).




Dr. Greg Kalyuzhny
Lab Director
8/12/2026

COA #: COA-2026-YEQMQP
Access Code: B4FYHKZV
Verify: portal.ils-lab.com/verify/DQuls4Y-Y43WWTt7
Issued: 8/12/2026