Certificate of Analysis

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

Semax Nasal Spray - 10mg

10X TESTED

PASS

Tested for: one aminos
https://oneaminos.com/shop

COA #:	**COA-2026-NYITMZ**	Analysis Date:	**10/23/2026**
Lot Number:	**ONE-SEM**	Appearance:	**Good**
Accession #:	**ACC-2026-23527**	Sample Matrix:	**Liquid/Solution**
Labeled Content:	**10mg**	Vial Size:	**15mL**
		Date Received:	**10/20/2026**

Scan to verify authenticity at ils-lab.com
Access Code: UECVWC8Y

Method: **Full QC Panel**

Identity
Semax Nasal Spray

Fentanyl Free

Full QC Panel

Analyte	Specification	Result	Unit	Status
Net Peptide Content	Report Only	**10.34**	mg	N/A
Identity (HPLC-RTM)	Semax	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

Additional Analyses

Analyte	Specification	Result	Unit	Status
Product pH Potentiometric pH (USP <791>)	Report Only	**4.98**		Report Only
Solubility Analysis Visual Solubility Assessment (USP general notices descriptive terms)	Report Only	**Fully soluble - clear solution** Solvent: Nuclease-Free Water Concentration: NA		Report Only
Closure Integrity Vacuum Leak Test (USP <1207>)	No leakage observed	**No leakage observed**		**PASS**

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>)	NMT 0.25 EU/mL	**NMT 0.05 EU/mL**	**PASS**
Acceptance criteria: NMT 0.25 EU/mL per client specification.			

Notes & Methodology

1. Date Tested: 10/23/2026. Methods: Full QC Panel.
2. The sample was confirmed to be Semax Nasal 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. 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.

ILS LABS

Issued by ILS Laboratories
(619) 329-3999
ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
10/23/2026

COA #: **COA-2026-NYITMZ**
Access Code: **UECVWC8Y**
Verify: portal.ils-lab.com/verify/5BUgDYbeVDK9kWkl
Issued: 10/23/2026

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This certificate relates only to the sample(s) tested.