Certificate of Analysis

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

Oxytocin - 10mg

PASS

Tested for: Southern Aminos
31938 Temecula Pkwy, Suite A PMB #361 Temecula, CA 92592 | www.southernaminos.com

COA #:	**COA-2026-21D8MK**	Method:	**Full QC Panel**
Lot Number:	**OX100526J**	Analysis Date:	**05/20/2026**
Accession #:	**ACC-2026-2630**	Appearance:	**Good**
Concentration:	**10mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/15/2026**

Scan to verify authenticity at ils-lab.com

Identity	Purity	
Oxytocin	**99.31%**	Fentanyl Free

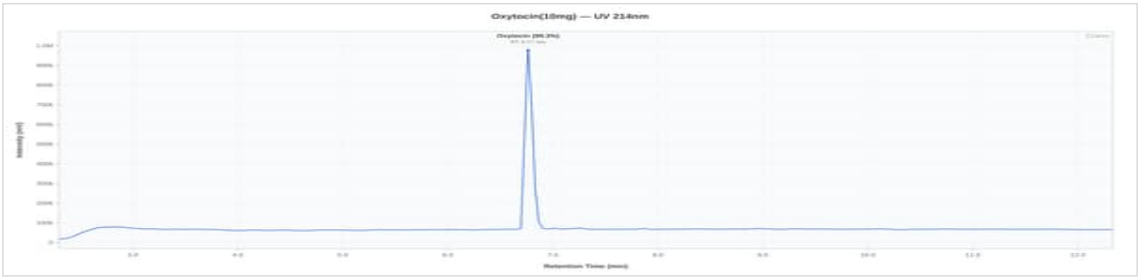


Oxytocin 10mg - OX100526J

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.31%**	%	PASS
Net Peptide Content	Report Only	**10.22**	mg	N/A
Net Peptide Content	Report Only	**10.22**	mg	N/A
Identity (ID)	Oxytocin	**Confirmed**	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	PASS

HPLC Chromatogram



Representative chromatogram, Conformity V5 (99.23% purity, closest to batch mean of 99.18%)

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Dr. Greg Kalyuzhny
Lab Director
5/24/2026

COA #: **COA-2026-21D8MK**
Access Code: **7CDBWT25**
Verify: portal.ils-lab.com/verify/gqvDB2mhKMxhZq6j
Issued: 5/24/2026

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Sample Matrix:	**Lyophilized**	Received:	**05/15/2026**

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HPLC Conformity Testing Results (8 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.28%	10.28 mg	Confirmed	**PASS**
Conformity V1	99.31%	10.22 mg	Confirmed	**PASS**
Conformity V2	99.24%	10.35 mg	Confirmed	**PASS**
Conformity V3	99.08%	10.22 mg	Confirmed	**PASS**
Conformity V4	99.13%	10.35 mg	Confirmed	**PASS**
Conformity V5	99.23%	10.24 mg	Confirmed	**PASS**
Conformity V6	99.25%	10.6 mg	Confirmed	**PASS**
Conformity V7	98.94%	10.2 mg	Confirmed	**PASS**
Mean	**99.18%**	**10.31 mg**	—	—
Std Dev	**0.1162%**	**0.1232 mg**	—	—

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**

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COA #:	**COA-2026-21D8MK**	Method:	**Full QC Panel**
Lot Number:	**OX100526J**	Analysis Date:	**05/20/2026**
Accession #:	**ACC-2026-2630**	Appearance:	**Good**
Concentration:	**10mg**	Volume:	**3mL**
Sample Matrix:	**Lyophilized**	Received:	**05/15/2026**

Scan to verify authenticity at ils-lab.com

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	**NMT 0.05 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.

Certificate Change History — **ILS QA**

Revision 1 – reissued October 30, 2026
Certificate statement updated. Test results are unchanged. Supersedes the original issued 05/24/2026.

Notes & Methodology

1. Date Tested: 05/20/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be Oxytocin 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 acceptance limits are product-specific. Results reported for client evaluation.
5. Chromatogram shown is representative: Conformity V5 (99.23% purity, closest to batch mean of 99.18%).

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Issued: 5/24/2026

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Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. This certificate relates only to the sample(s) tested.