Certificate of Analysis

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

Tesamorelin - 10mg

Tested for: Modern Research Labs LLC

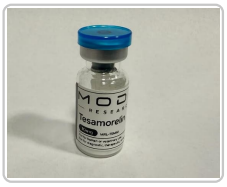
PASS

COA #:	**COA-2026-0HMTX1**	Analysis Date:	**08/03/2026**
Lot Number:	**MRL-TSM10-2026509**	Appearance:	**Good**
Accession #:	**ACC-2026-9991**	Sample Matrix:	**Lyophilized**
Labeled Content:	**10mg**	Volume:	**3mL**
		Date Received:	**07/15/2026**

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

Method: **Full QC Panel**

Identity	Peptide Purity	
Tesamorelin	**99.22%**	**Fentanyl Free**

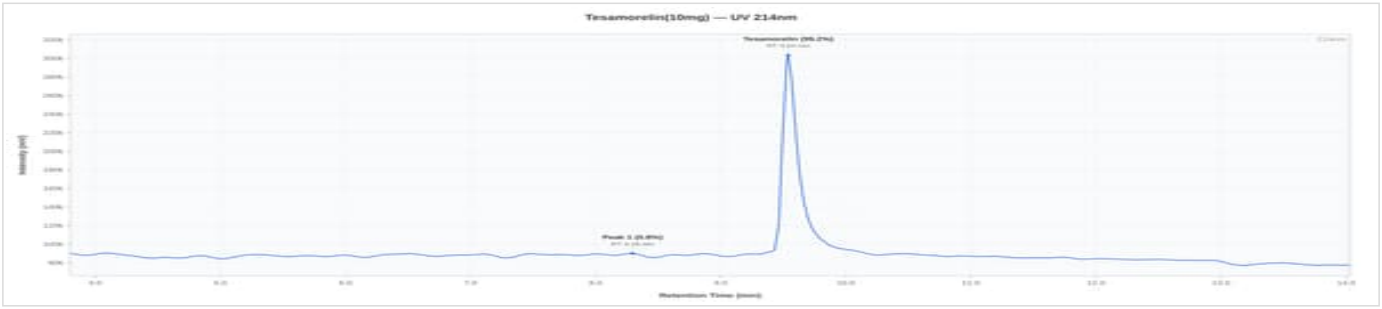


Tesamorelin 10mg - MRL-TSM10-2026509

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.22%**	%	**PASS**
Net Peptide Content	Report Only	**10.55**	mg	N/A
Identity (HPLC-RTM)	Tesamorelin	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Tesamorelin 10mg - MRL-TSM10-2026509: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0.098	**PASS**
Cadmium (Cd)	NMT 0.5 ppm	0.112	**PASS**
Lead (Pb)	NMT 1.0 ppm	0.765	**PASS**
Mercury (Hg)	NMT 1.5 ppm	0.987	**PASS**
Chromium (Cr)	NMT 10.0 ppm	6.12	**PASS**

Dr. Greg Kalyuzhny
Lab Director
8/3/2026

COA #: **COA-2026-0HMTX1**
Access Code: **HYAGWUQE**
Verify: portal.ils-lab.com/verify/BhkGfO5LnfP1uCQT
Issued: 8/3/2026

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	**0.067 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: 08/03/2026. Methods: Full QC Panel.
2. The sample was confirmed to be Tesamorelin 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 turbidimetric 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.

Dr. Greg Kalyuzhny
Lab Director
8/3/2026

COA #: **COA-2026-0HMTX1**
Access Code: **HYAGWUQE**
Verify: portal.ils-lab.com/verify/BhkGfO5LnfP1uCQT
Issued: 8/3/2026