Certificate of Analysis

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

Tesamorelin - 20mg

Tested for: Voltera Sciences
www.volterasciences.com

PASS

COA #:	**COA-2026-954049**	Analysis Date:	**07/15/2026**
Lot Number:	**TSM20-07082026**	Appearance:	**Good**
Labeled Content:	**20mg**	Vial Size:	**3mL**
Vial Size:	**3mL**	Date Received:	**07/01/2026**

Method: **Full QC Panel**

Scan to verify authenticity at ils-lab.com
Access Code: TMMECY3J

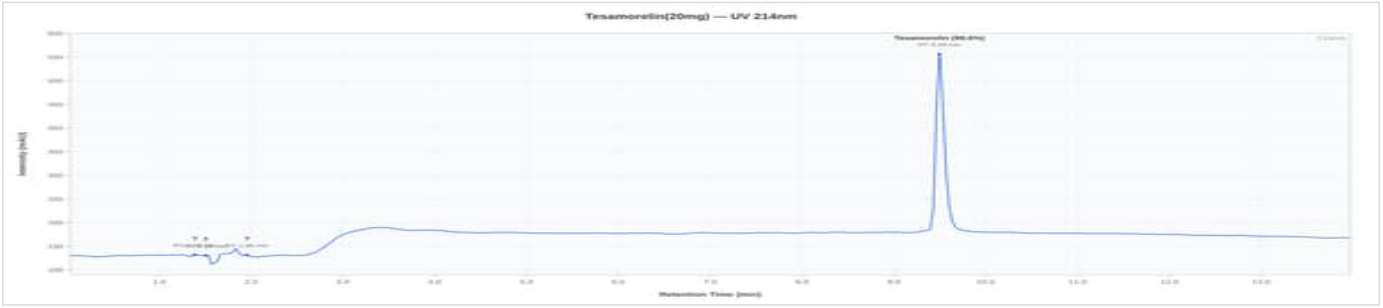
Identity	Peptide Purity	
Tesamorelin	**99.61%**	**Fentanyl Free**

Tesamorelin 20mg - TSM20-07082026

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.61%**	%	**PASS**
Net Peptide Content	Report Only	**20.49**	mg	N/A
Identity (HPLC-RTM)	Tesamorelin	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Tesamorelin 20mg - TSM20-07082026: UV Chromatogram

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**

Dr. Greg Kalyuzhny
Lab Director
7/15/2026

COA #: **COA-2026-954049**
Access Code: **TMMECY3J**
Verify: portal.ils-lab.com/verify/9Zex3sLstTSS_k42
Issued: 7/15/2026

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	**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.

Notes & Methodology

1. Date Tested: 07/17/2026. 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
7/15/2026

COA #: **COA-2026-954049**
Access Code: **TMMECY3J**
Verify: portal.ils-lab.com/verify/9Zex3sLstTSS_k42
Issued: 7/15/2026

Certificate of Analysis

ILS Laboratories
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Tesamorelin - 10mg

Tested for: Voltera Sciences
www.VolteraSciences.com

PASS

COA #:	**COA-2026-412957**	Analysis Date:	**06/11/2026**
Lot Number:	**TSM10-06022026**	Appearance:	**Good**
Accession #:	**ACC-2026-3897**	Sample Matrix:	**Lyophilized**
Labeled Content:	**10mg**	Vial Size:	**3mL**
		Date Received:	**06/03/2026**

Scan to verify authenticity at ils-lab.com
Access Code: CYBPDY3D

Method: **Full QC Panel**

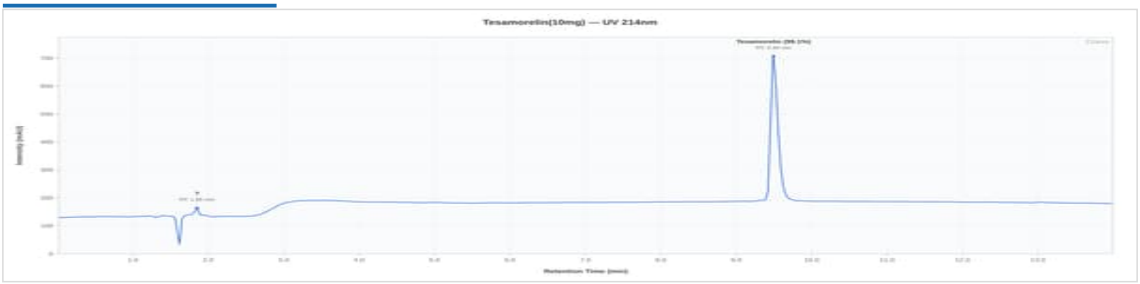
Identity	Peptide Purity	
Tesamorelin	**99.89%**	**Fentanyl Free**

Tesamorelin 10mg - TSM10-06022026

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.89%**	%	**PASS**
Net Peptide Content	Report Only	**10.45**	mg	N/A
Identity (HPLC-RTM)	Tesamorelin	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Tesamorelin 10mg - TSM10-06022026: UV Chromatogram

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**

Dr. Greg Kalyuzhny
Lab Director
6/18/2026

COA #: **COA-2026-412957**
Access Code: **CYBPDY3D**
Verify: portal.ils-lab.com/verify/46HJt7POfAsc53uY
Issued: 6/18/2026

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	**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.

Notes & Methodology

1. Date Tested: 06/18/2026. 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
6/18/2026

COA #: **COA-2026-412957**
Access Code: **CYBPDY3D**
Verify: portal.ils-lab.com/verify/46HJt7POfAsc53uY
Issued: 6/18/2026

Certificate of Analysis

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Tesamorelin

Tested for: Voltera Sciences
www.volterasciences.com

PASS

COA #:	**COA-2026-412739**	Method:	**Full QC Panel**
Lot Number:	**TSM10.05.28.26**	Analysis Date:	**06/05/2026**
Accession #:	**ACC-2026-3697**	Appearance:	**Good**
		Date Received:	**06/01/2026**

Scan to verify authenticity at ils-lab.com
Access Code: GTD8AM7C

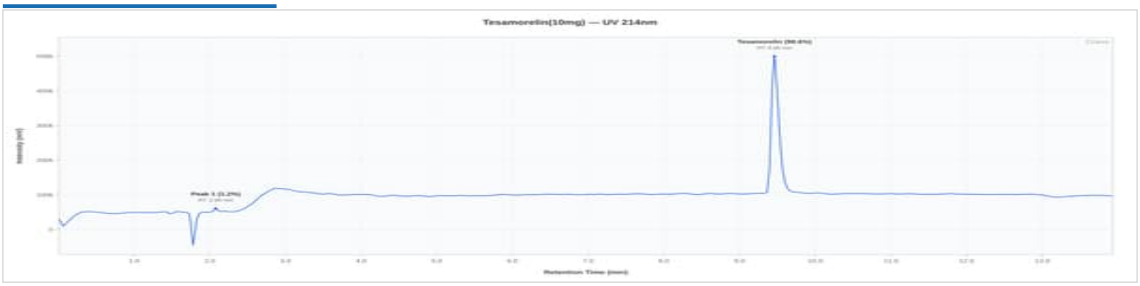
Identity	Peptide Purity	
Tesamorelin	**99.78%**	**Fentanyl Free**

Tesamorelin - TSM10.05.28.26

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.78%**	%	**PASS**
Net Peptide Content	Report Only	**10.67**	mg	N/A
Identity (HPLC-RTM)	Tesamorelin	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



Tesamorelin - TSM10.05.28.26: UV Chromatogram

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**

Sterility Testing (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	**No Growth**	**PASS**

Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-412739**
Access Code: **GTD8AM7C**
Verify: portal.ils-lab.com/verify/KrWjuKgnvFQZdyIs
Issued: 6/7/2026

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	**0.08 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: 06/07/2026. 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
6/7/2026

COA #: **COA-2026-412739**
Access Code: **GTD8AM7C**
Verify: portal.ils-lab.com/verify/KrWjuKgnvFQZdyIs
Issued: 6/7/2026

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KOVERA LABS

CERTIFICATE OF ANALYSIS

REPORT # KVR-2026-B9D192

Client: Voltera **Certified:** 05/14/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	Tesamorelin	**Form**	Lyophilized powder
Batch	TESA.05.02.2026	**Labeled Qty**	10 mg
Mol. Formula	C221H366N72O67S	**CAS Number**	901758-09-6
Cap Color	Purple	**Crimp Color**	Blue

TEST RESULTS

	REFERENCE STANDARD	RESULT
Batch Avg Purity	(>98%)	99.866% ✓
Batch Avg Net Content	(10mg ± 10%)	11.64 mg ✓
Identity Confirmation (LC-MS)	(Tesamorelin)	Tesamorelin ✓
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS ✓
Microbial Sterility Screen	(No Growth)	No Growth ✓

HEAVY METAL SCREENING

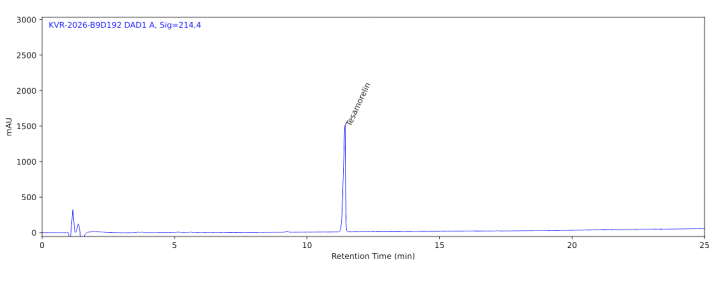
Analyte	Result	Status
Arsenic (As)	Negative	✓
Cadmium (Cd)	Negative	✓
Lead (Pb)	Negative	✓
Mercury (Hg)	Negative	✓

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.896	11.73
Vial 2	99.836	11.56
Batch Average	**99.866%**	**11.64 mg**

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm



Lemar Arghandiwal
Lab Director

koveralabs.com/verify

Report#: KVR-2026-B9D192
Access Code: XYE3ZBY