



Certificate of Analysis

All tests passed. This certificate is verified and authentic.

TESTED FOR

Nocap Research

Product Information

Product

Tirzepatide - 10mg

Lot Number

LOT-2026-001

Appearance

Good

Test Type

Full QC Panel

Date Received

06/16/2026

Analysis Confirmed

06/23/2026



Confirmed Fentanyl Free

Immunoassay, 50 ng/mL cutoff

Test Results — Full QC Panel

Analyte	Limit	Result	Unit	Status
Peptide Purity (HPLC)	≥ 95.0%	99.81%	%	PASS
Net Peptide Content	Report Only	10.32	mg	N/A

Identity (ID)	Tirzepatide	Confirmed	-	PASS
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🔍 Elemental Impurities — ICP-MS per USP <233>

Element	Limit (ppm)	Result (ppm)	Status
Arsenic (As)	≤ 1.5 ppm	0.258 ppm	PASS
Cadmium (Cd)	≤ 0.5 ppm	0.067 ppm	PASS
Chromium (Cr)	≤ 10 ppm	0.21 ppm	PASS
Mercury (Hg)	≤ 1.5 ppm	0.1276 ppm	PASS
Lead (Pb)	≤ 1 ppm	0.1162 ppm	PASS

Overall: PASS

🔍 Sterility Testing (PCR)

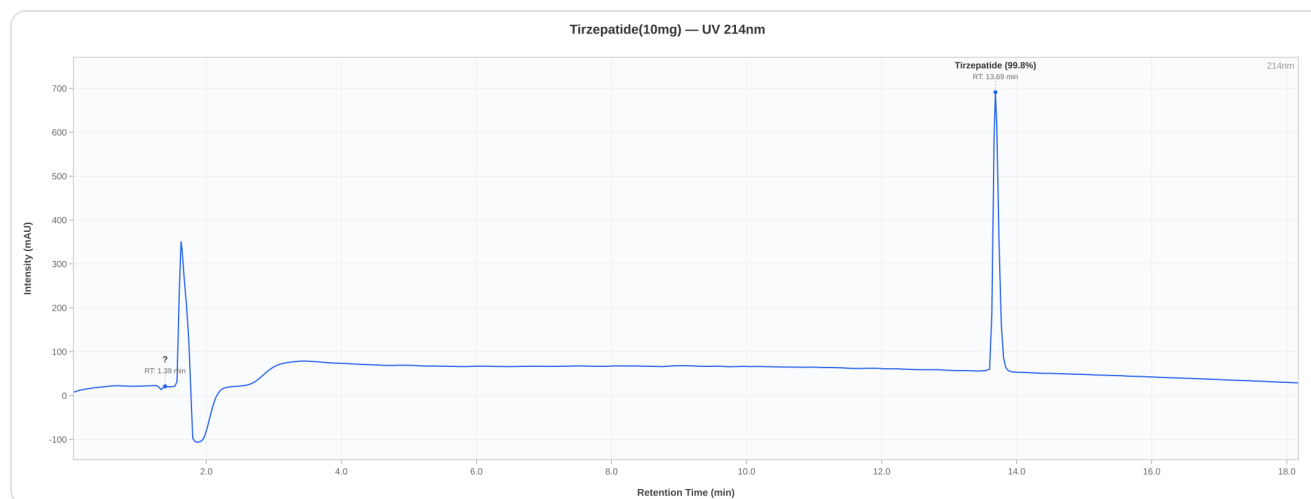
Test	Specification	Result	Status
Sterility (PCR)	No Growth	No Growth	PASS

🔍 Endotoxin Testing — USP <85>

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	0.056 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.

HPLC Chromatogram



NOTES & METHODOLOGY

Sample confirmed to be Tirzepatide by HPLC. Identification by chromatographic retention time comparison with a reference standard.

Elemental impurities analyzed by ICP-MS per USP <233>.

Bacterial endotoxin testing performed by Limulus Amebocyte Lysate (LAL) method per USP <85>.

Sterility testing performed by PCR (Polymerase Chain Reaction) method.

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

06/23/2026

COA: COA-2026-KQUW-A

Access Code: VBLFLUP7

Produced: 6/23/2026

This certificate was issued by **ILS Laboratories LLC**