

ILS Laboratories

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

PT-141 - 10mg

Tested for: The Vial

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: RY7JK25A

COA #: COA-2026-955395
Lot Number: PT100726
Accession #: ACC-2026-13459
Labeled Content: 10mg

Analysis Date: 08/10/2026
Appearance: Good
Sample Matrix: Lyophilized
Date Received: 07/30/2026

Method: Full QC Panel

Identity

PT-141

Peptide Purity

99.89%



Fentanyl
Free

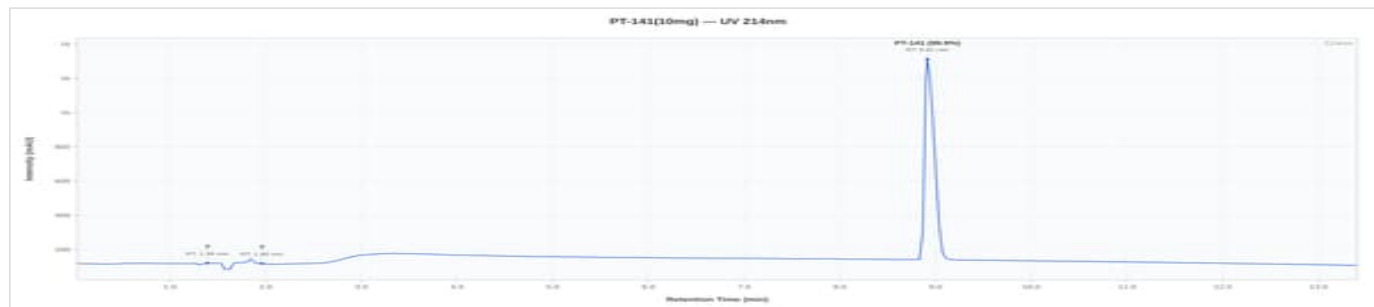


PT-141 10mg - PT100726

Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.89%	%	PASS
Net Peptide Content	Report Only	10.63	mg	N/A
Identity (HPLC-RTM)	PT-141	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



Representative chromatogram, Dedicated V0

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.89%	10.63 mg	Confirmed	PASS
Conformity V1	99.85%	10.6 mg	Confirmed	PASS
Mean	99.87%	10.62 mg	—	—
Std Dev	0.0200%	0.0150 mg	—	—



Dr. Greg Kalyuzhny

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Lab Director
8/10/2026

COA #: COA-2026-955395
Access Code: RY7JK25A
Verify: <portal.ils-lab.com/verify/H9cmFJco3BRiQK15>
Issued: 8/10/2026

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

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: 08/10/2026. Methods: Purity, Identity & Quantitation (HPLC).
2. The sample was confirmed to be PT-141 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.
6. Chromatogram shown is representative: Dedicated V0 (99.89% purity, closest to batch mean of 99.87%).




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