

ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111
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Opti-(R) - 5mg

Tested for: Optima Supply Inc

PASS

COA #: COA-2026-954151
Lot Number: OS-2026-7564
Accession #: ACC-2026-6318
Labeled Content: 5mg

Analysis Date: 07/08/2026
Appearance: Good
Sample Matrix: Lyophilized
Volume: 3mL
Date Received: 06/23/2026



Scan to verify
authenticity at ils-lab.com
Access Code: 7C69FRBJ

Method: Full QC Panel

Identity	Peptide Purity	
Opti-(R)	99.71%	 Fentanyl Free

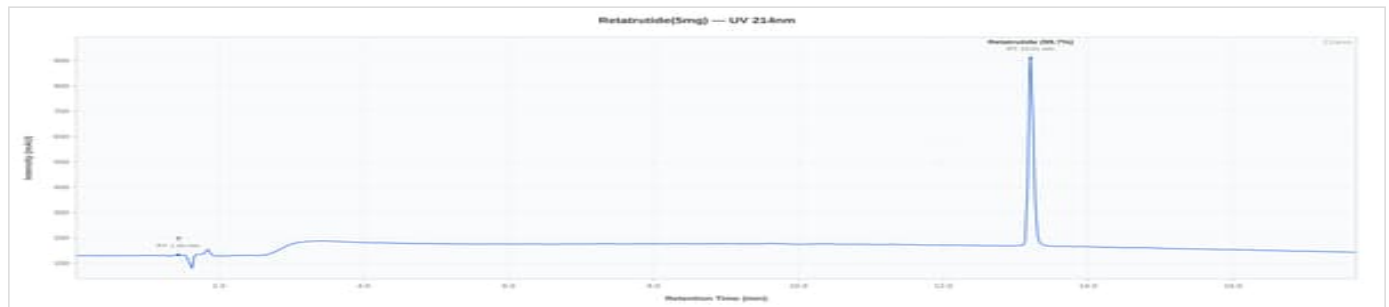
Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.71%	%	PASS
Net Peptide Content	Report Only	5.17	mg	N/A
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



Opti-(R) 5mg - OS-2026-7564

HPLC Chromatogram



Opti-(R) 5mg - OS-2026-7564: 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



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Dr. Greg Kalyuzhny
Lab Director
7/8/2026

COA #: COA-2026-954151
Access Code: 7C69FRBJ
Verify: portal.ils-lab.com/verify/TyvgBIDvIk6hHNe8
Issued: 7/8/2026

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	0.238 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: 07/22/2026. Methods: Full QC Panel.
- 2. 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.
- 3. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
- 4. 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
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