

ILS Laboratories

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(619) 329-3999 | ils-lab.com

MOTS-C - 20mg



Tested for: NuStandard Labs LLC
www.nustandardlabs.com

COA #: COA-2026-LRLNUM
Lot Number: MC-2007261
Labeled Content: 20mg
Volume: 3mL

Analysis Date: 07/23/2026
Appearance: Good
Volume: 3mL
Date Received: 07/14/2026

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: J2TL6DRL

Method: Purity, Identity & Quantitation (HPLC), Endotoxin (USP <85>)

Identity	Peptide Purity	Fentanyl Free
MOTS-C	99.85%	

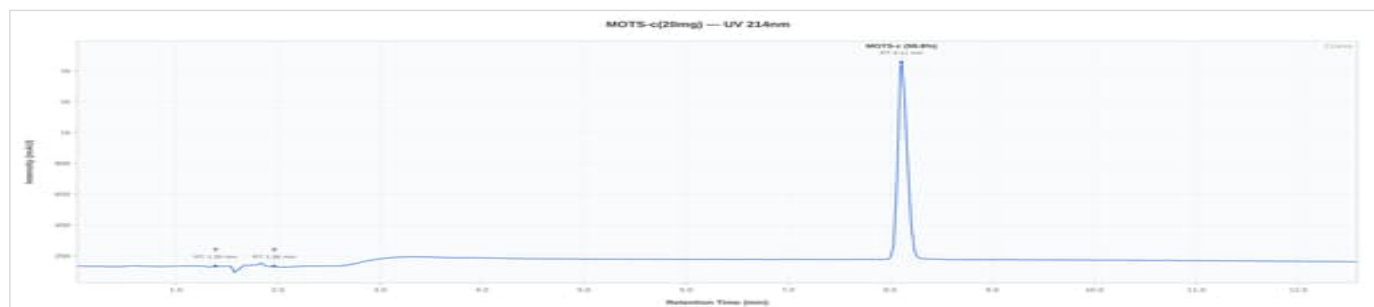
Purity, Identity & Quantitation (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.85%	%	PASS
Net Peptide Content	Report Only	21.41	mg	N/A
Identity (HPLC-RTM)	MOTS-c	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS



MOTS-C 20mg - MC-2007261

HPLC Chromatogram



MOTS-C 20mg - MC-2007261: UV Chromatogram

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	0.2 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

- Date Tested: 07/23/2026. Methods: Purity, Identity & Quantitation (HPLC).
- The sample was confirmed to be MOTS-C by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
- 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.



Greg Kalyuzhny

Dr. Greg Kalyuzhny
Lab Director
7/23/2026

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Verify: lab.ils-lab.com
Issued: 7/23/2026