

ILS Laboratories

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

MOTS-C - 20mg

Tested for: PepRx Labs

5150 Hidalgo St Unit 801 Houston Tx 77056 | www.PepRxLabs.com

COA #: COA-2026-954431
Lot Number: MOTSC-2026-001
Labeled Content: 20mg
Sample Matrix: Powder

Analysis Date: 07/29/2026
Appearance: Good
Volume: 3mL
Date Received: 07/08/2026

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: W9YGP7F3

Method: Full QC Panel

Identity

MOTS-C

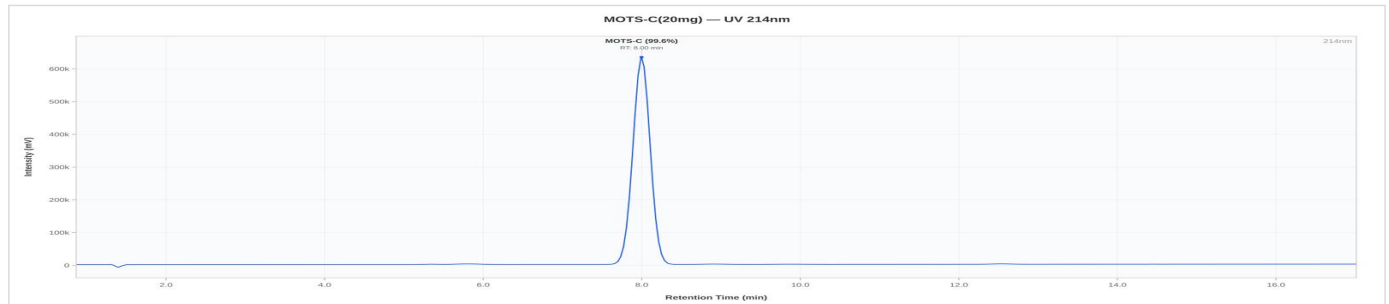
Peptide Purity

99.55%

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%%	99.55%	%	PASS
Net Peptide Content	Report Only	20.81	mg	N/A
Identity (HPLC-RTM)	MOTS-C	Confirmed	-	PASS
Identity (HPLC-RTM)	MOTS-C	Confirmed	-	PASS

HPLC Chromatogram



MOTS-C 20mg - MOTSC-2026-001: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5	Not Detected	PASS
Cadmium (Cd)	NMT 0.5	Not Detected	PASS
Lead (Pb)	NMT 1.0	Not Detected	PASS
Mercury (Hg)	NMT 1.5	Not Detected	PASS
Chromium (Cr)	NMT 10.0	Not Detected	PASS



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Dr. Greg Kalyuzhny
Lab Director
7/29/2026

COA #: COA-2026-954431
Access Code: W9YGP7F3
Verify: portal.ils-lab.com/verify/IUH7WtCqkqLiZou4
Issued: 7/29/2026

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: 07/29/2026. Methods: Full QC Panel.
2. The sample was confirmed to be MOTS-C 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
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