

ILS Laboratories

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

MOTS-C - 20mg

Tested for: Elyria Bio

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: FDJV7YCA

COA #: COA-2026-955272
Lot Number: 050550
Labeled Content: 20mg
Sample Matrix: Lyophilized

Analysis Date: 08/07/2026
Appearance: Good
Volume: 3mL
Date Received: 07/16/2026

Method: Full QC Panel

Identity

MOTS-C

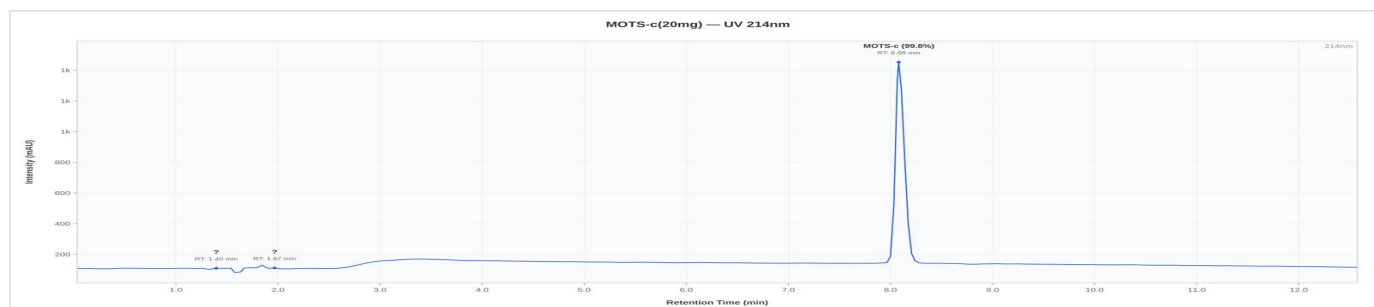
Peptide Purity

99.83%

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.83%	%	PASS
Net Peptide Content	Report Only	20.84	mg	N/A
Identity (HPLC-RTM)	MOTS-c	Confirmed	-	PASS

HPLC Chromatogram



MOTS-C 20mg - 050550: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	0.088	PASS
Cadmium (Cd)	NMT 0.5 ppm	0.027	PASS
Lead (Pb)	NMT 1.0 ppm	0.047	PASS
Mercury (Hg)	NMT 1.5 ppm	0.0928	PASS
Chromium (Cr)	NMT 10.0 ppm	0.0289	PASS

Sterility Testing (PCR)

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



Dr. Greg Kalyuzhny

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Lab Director
8/7/2026

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Verify: portal.ils-lab.com/verify/rMp4DpkOWtDXnOUU
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Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	0.101 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: 08/07/2026. 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.




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