

ILS Laboratories

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

MOTS-c - 10mg

CRUSH Tested for: Crush Research
<https://www.crushresearch.shop/>

PASS

COA #:	COA-2026-TCT0QG	Method:	Full QC Panel
Lot Number:	CR-MTS10-0309-1	Analysis Date:	05/11/2026
Accession #:	ACC-2026-2076	Appearance:	Good
Concentration:	10mg	Volume:	3mL
Sample Matrix:	Powder	Received:	05/06/2026



Scan to verify
authenticity at ils-lab.com

Identity	Purity
MOTS-c	99.91%

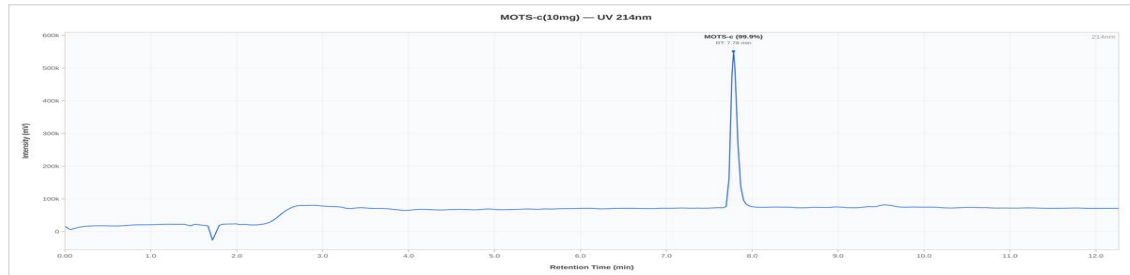


MOTS-c 10mg - CR-MTS10-0309-1

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.91%	%	PASS
Net Peptide Content	Report Only	10.42	mg	N/A
Identity (ID)	MOTS-c	Confirmed	-	PASS

HPLC Chromatogram



Representative chromatogram, Conformity V1 (99.84% purity, closest to batch mean of 99.86%)

HPLC Conformity Testing Results (3 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.83%	10.69 mg	Confirmed	PASS
Conformity V1	99.84%	10.55 mg	Confirmed	PASS
Conformity V2	99.91%	10.42 mg	Confirmed	PASS
Mean	99.86%	10.55 mg	—	—
Std Dev	0.0356%	0.1103 mg	—	—




Dr. Greg Kalyuzhny
Lab Director
5/11/2026

COA #: **COA-2026-TCT0QG**
Access Code: **LLFL_AYC**
Verify: <portal.ils-lab.com/verify/AlzaDZdOhtxcBjAi>
Issued: 5/11/2026

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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	Unit	Status
Sterility (PCR)	No Growth	No Growth	-	PASS

Endotoxin Testing (USP <85>)

Test	Specification	Result	Unit	Status
Endotoxin (USP <85>)	< 0.25 EU/mL	0.09 EU/mL		PASS

Notes & Methodology

- Date Tested: 05/11/2026. Methods: Purity & Quant (HPLC).
- The sample was confirmed to be MOTs-c by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- 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 route-of-administration standard.
- Chromatogram shown is representative: Conformity V1 (99.84% purity, closest to batch mean of 99.86%).




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5/11/2026

COA #: **COA-2026-TCT0QG**
Access Code: **LLFL_AYC**
Verify: <portal.ils-lab.com/verify/AIzaDZdOHTxcBjAi>
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