

ILS Laboratories

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

MOTS-C - 45mg



Tested for: ezPeps - Quality Research Peptides
<https://ezpeps.com>

PASS

| | | | |
|----------------|------------------------|----------------|----------------------|
| COA #: | COA-2026-HCKZCQ | Method: | Full QC Panel |
| Lot Number: | MO400419 | Analysis Date: | 05/11/2026 |
| Accession #: | ACC-2026-2108 | Appearance: | Good |
| Concentration: | 45mg | Volume: | 3mL |
| Sample Matrix: | Lyophilized | Received: | 05/07/2026 |



Scan to verify
authenticity at ils-lab.com

| | |
|---------------|---------------|
| Identity | Purity |
| MOTS-C | 99.68% |

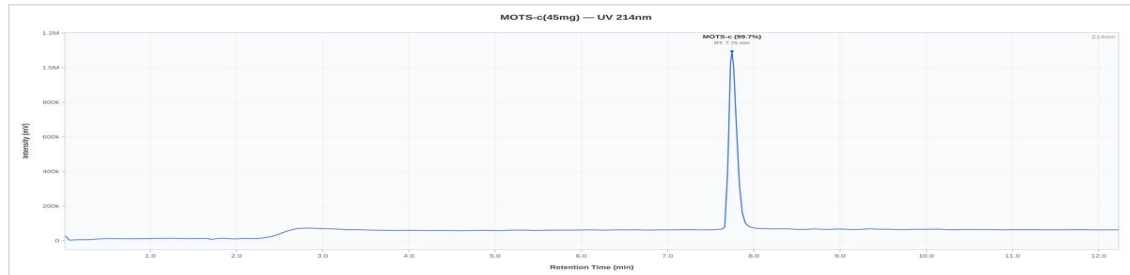


MOTS-C 45mg - MO400419

Purity & Quant (HPLC)

| Analyte | Specification | Result | Unit | Status |
|---------------------|---------------|------------------|------|-------------|
| Purity (HPLC) | >= 95.0% | 99.68% | % | PASS |
| Net Peptide Content | Report Only | 46.49 | mg | N/A |
| Identity (ID) | MOTS-C | Confirmed | - | PASS |

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.68% purity, closest to batch mean of 99.68%)

HPLC Conformity Testing Results (2 samples tested)

| Sample | Purity | NPC | ID | Result |
|---------------|----------------|------------------|-----------|-------------|
| Dedicated V0 | 99.68% | 46.49 mg | Confirmed | PASS |
| Conformity V1 | 99.67% | 47.61 mg | Confirmed | PASS |
| Mean | 99.68% | 47.05 mg | — | — |
| Std Dev | 0.0050% | 0.5600 mg | — | — |




Dr. Greg Kalyuzhny
Lab Director
5/11/2026

COA #: **COA-2026-HCKZCQ**
Access Code: **3FZW684J**
Verify: <portal.ils-lab.com/verify/NMq4smOpPXYU7CXJ>
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 | NMT 0.05 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: Dedicated V0 (99.68% purity, closest to batch mean of 99.68%).




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