**Proof Point Analytical**
3950 Austell Road, Austell, GA 30106
admin@proofpointanalytical.com | proofpointanalytical.com

# Certificate of Analysis

# MOTS-C 10mg  PASS

**Tested for: Prism Labs**
prismlabs.store

| | |
|---|---|
| **COA #**<br>PPA-COA-2026-108483 | **Lot Number**<br>108483 |
| **Accession #**<br>PPA-2026-108483 | **Concentration**<br>10mg |
| **Sample Matrix**<br>Lyophilized | **Method**<br>Full QC Panel |
| **Analysis Date**<br>07/03/2026 | **Appearance**<br>Good |
| **Volume**<br>3mL | **Received**<br>07/01/2026 |

**Identity**
**MOTS-c**

**Purity**
**99.19%**

**Scan to verify authenticity**

https://www.proofpointanalytical.com/coa-lookup/?code=83YP41SS

## Purity & Quant (HPLC)

| Analyte | Specification | Result | Unit | Status |
|---|---|---|---|---|
| Purity (HPLC) | >= 95.0% | 99.19% | % | **PASS** |
| Net Content | Report Only | 10.11mg | N/A | N/A |
| Identity (ID) | MOTS-c | Confirmed | - | **PASS** |

**Authorized Review**
Lab Director

**Issued: 07/03/2026 | Access Code: 83YP41SS**

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PPA-COA-2026-108483

**Lot Number**
108483

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**Analysis Date**
07/03/2026

**Access Code**
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**Verify**
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## HPLC Conformity Testing Results

| Sample | Purity | NPC | ID Result | Status |
|---|---|---|---|---|
| Dedicated V0 | 99.07% | 10.13 mg | Confirmed | **PASS** |
| Conformity V1 | 99.19% | 10.11 mg | Confirmed | **PASS** |
| Mean | 99.13% | 10.12 mg | - | - |
| Std Dev | 0.0600% | 0.0100 mg | - | - |

## 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 | Status |
|---|---|---|---|
| Sterility (PCR) | No Growth | No Growth | **PASS** |

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## 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 screening value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies across product types.

## Notes & Methodology

1. Methods: Purity & Quant (HPLC), identity confirmation, heavy metals screening, sterility PCR, and endotoxin review as applicable.
2. 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.
3. Identity confirmed by chromatographic retention time comparison and analytical review against expected product identity.
4. Elemental impurities analyzed by ICP-MS screening methodology using internal quality limits for research-use materials.
5. Results relate only to the item tested and are intended for research-use-only materials.

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**Verify COA**