

## ILS Laboratories

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

## MOTS-C - 40mg

Tested for: Humatide LLC  
humatide.com

COA #: COA-2026-CQ6JIN  
Lot Number: H40MOTS060126  
Accession #: ACC-2026-5363  
Labeled Content: 40mg

Analysis Date: 06/27/2026  
Appearance: Good  
Sample Matrix: Lyophilized  
Vial Size: 3mL  
Date Received: 06/17/2026

PASS



Scan to verify  
authenticity at ils-lab.com  
Access Code: KHA2GVV8

Method: Blend Purity & Quant (HPLC)

|          |                |               |
|----------|----------------|---------------|
| Identity | Peptide Purity | Fentanyl Free |
| MOTS-C   | 99.76%         |               |

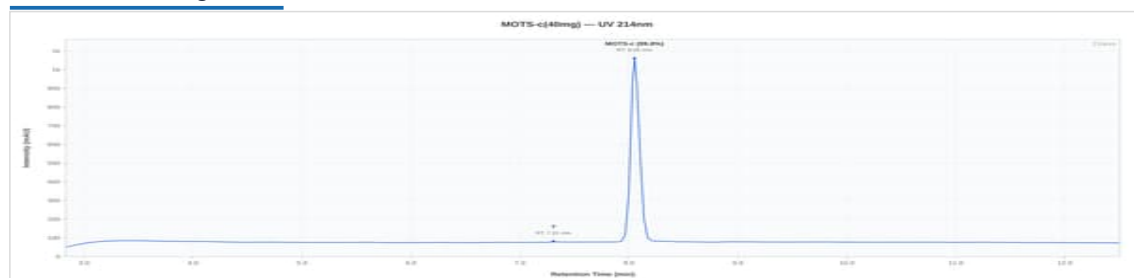
## Blend Purity & Quant (HPLC)

| Analyte               | Specification                | Result       | Unit | Status |
|-----------------------|------------------------------|--------------|------|--------|
| Peptide Purity (HPLC) | >= 95.0%                     | 99.76%       | %    | PASS   |
| Net Peptide Content   | Report Only                  | 41.63        | mg   | N/A    |
| Identity (HPLC-RTM)   | MOTS-c                       | Confirmed    | -    | PASS   |
| Fentanyl Screen       | Immunoassay, 50 ng/mL cutoff | Not Detected | -    | PASS   |
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MOTS-C 40mg - H40MOTS060126

## HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.76% purity, closest to batch mean of 99.64%)

## HPLC Conformity Testing Results (2 samples tested)

| Sample        | Purity  | NPC       | ID        | Result |
|---------------|---------|-----------|-----------|--------|
| Dedicated V0  | 99.76%  | 41.63 mg  | Confirmed | PASS   |
| Conformity V1 | 99.52%  | 41.74 mg  | Confirmed | PASS   |
| Mean          | 99.64%  | 41.69 mg  | —         | —      |
| Std Dev       | 0.1200% | 0.0550 mg | —         | —      |

## Notes & Methodology

- Date Tested: 06/27/2026. Methods: Blend Purity & Quant (HPLC).
- The sample was confirmed to be MOTS-C by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- 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.
- Chromatogram shown is representative: Dedicated V0 (99.76% purity, closest to batch mean of 99.64%).



*Dr. Greg Kalyuzhny*

Dr. Greg Kalyuzhny  
Lab Director  
6/27/2026

COA #: COA-2026-CQ6JIN  
Access Code: KHA2GVV8  
Verify: portal.ils-lab.com/verify/fodlwc0PLY0QvcLP  
Issued: 6/27/2026