



pH SOLUTIONS

CERTIFICATE OF ANALYSIS

260911-899-NHS-10

Issued Sep 29, 2026

SAMPLE

# MOTS-C 10 mg

Prepared for **Pepta Pharma** · Lot **PPH-MOT10-20260902-01**

PASS



**ISO/IEC 17025:2017 ACCREDITED**  
A2LA R243 · PJLA Testing #84351 · Zero recalls since 2016

181 W Huntington Dr, Suite 181, Monrovia, CA 91016 · (818)  
808-9757

|                       |                   |              |              |
|-----------------------|-------------------|--------------|--------------|
| BATCH / LOT           | SAMPLE ID         | MATRIX       | PANELS RUN   |
| PPH-MOT10-20260902-01 | 260911-899-NHS-10 | —            | 10           |
| RECEIVED              | ANALYZED          | REPORTED     | CLIENT       |
| Sep 11, 2026          | —                 | Sep 29, 2026 | Pepta Pharma |

## REPORT INFORMATION

| ANALYTE                         | RESULT                    | UNIT | LIMIT / METHOD | STATUS |
|---------------------------------|---------------------------|------|----------------|--------|
| Laboratory certificate number   | 260911-899-NHS-10         |      |                | TESTED |
| Customer certificate identifier | SIM-NHS-MOT10-20260902-01 |      |                | TESTED |
| Customer report number          | SIM-NHS-MOT10-20260902-01 |      |                | TESTED |
| Report date                     | 2026-09-29                |      |                | TESTED |

## IDENTITY

| ANALYTE           | RESULT           | UNIT  | LIMIT / METHOD | STATUS |
|-------------------|------------------|-------|----------------|--------|
| Identity          | Match            |       |                | PASS   |
| Expected MW       | 2174.6           | g/mol |                | TESTED |
| Molecular formula | C101H152N28O22S2 |       |                | TESTED |
| CAS               | 1627580-64-6     |       |                | TESTED |

## PEPTIDE PURITY

| ANALYTE         | RESULT  | UNIT | LIMIT / METHOD | STATUS |
|-----------------|---------|------|----------------|--------|
| Purity          | 99 %    |      |                | TESTED |
| Wavelength (nm) | 274 nm  |      |                | TESTED |
| By mass         | 13.34 % |      |                | TESTED |

## ASSAY

| ANALYTE            | RESULT                                                                   | UNIT | LIMIT / METHOD | STATUS |
|--------------------|--------------------------------------------------------------------------|------|----------------|--------|
| Net content        | 10.0767 mg/vial                                                          |      |                | TESTED |
| Appearance         | White to off-white lyophilized powder cake; free of visible particulates |      |                | TESTED |
| Water content (KF) | 1.3635 %                                                                 |      |                | TESTED |
| pH                 | 7.0                                                                      |      |                | TESTED |

## WATER ACTIVITY

| ANALYTE        | RESULT  | UNIT | LIMIT / METHOD | STATUS |
|----------------|---------|------|----------------|--------|
| Water activity | 0.37 aw |      |                | PASS   |

## MICROBIALS

| ANALYTE               | RESULT             | UNIT | LIMIT / METHOD | STATUS |
|-----------------------|--------------------|------|----------------|--------|
| E. Coli               | Not Detected in 1g |      |                | PASS   |
| Salmonella spp.       | Not Detected in 1g |      |                | PASS   |
| Aspergillus flavus    | Not Detected in 1g |      |                | PASS   |
| Aspergillus fumigatus | Not Detected in 1g |      |                | PASS   |
| Aspergillus niger     | Not Detected in 1g |      |                | PASS   |
| Aspergillus terreus   | Not Detected in 1g |      |                | PASS   |
| Yeast & Mold          | Not Detected in 1g |      |                | TESTED |
| Coliforms             | Not Detected in 1g |      |                | TESTED |
| Aerobic Bacteria      | Not Detected in 1g |      |                | TESTED |
| Enterobacteriaceae    | Not Detected in 1g |      |                | TESTED |
| Microbials panel      | pass               |      |                | PASS   |

## HEAVY METALS

| ANALYTE            | RESULT | UNIT | LIMIT / METHOD | STATUS |
|--------------------|--------|------|----------------|--------|
| Arsenic            | 0.000  | ppm  |                | PASS   |
| Cadmium            | 0.000  | ppm  |                | PASS   |
| Lead               | 0.000  | ppm  |                | PASS   |
| Mercury            | 0.000  | ppm  |                | PASS   |
| Heavy metals panel | Pass   |      |                | PASS   |

## RESIDUAL SOLVENTS

| ANALYTE                 | RESULT | UNIT | LIMIT / METHOD | STATUS |
|-------------------------|--------|------|----------------|--------|
| Acetone                 | 0.000  | ppm  |                | PASS   |
| Acetonitrile            | 0.000  | ppm  |                | PASS   |
| Ethanol                 | 0.000  | ppm  |                | PASS   |
| Ethyl Acetate           | 0.000  | ppm  |                | PASS   |
| Isopropyl Alcohol       | 0.000  | ppm  |                | PASS   |
| Methanol                | 0.000  | ppm  |                | PASS   |
| Toluene                 | 0.000  | ppm  |                | PASS   |
| Benzene                 | 0.000  | ppm  |                | PASS   |
| Butane                  | 0.000  | ppm  |                | PASS   |
| Chloroform              | 0.000  | ppm  |                | PASS   |
| Ethyl Ether             | 0.000  | ppm  |                | PASS   |
| Trichloroethylene       | 0.000  | ppm  |                | PASS   |
| Residual solvents panel | Pass   |      |                | PASS   |

## ADDITIONAL REPORTED PANEL OUTCOMES

| ANALYTE    | RESULT | UNIT | LIMIT / METHOD | STATUS |
|------------|--------|------|----------------|--------|
| Sterility  | Pass   |      |                | PASS   |
| Mycotoxins | Pass   |      |                | PASS   |

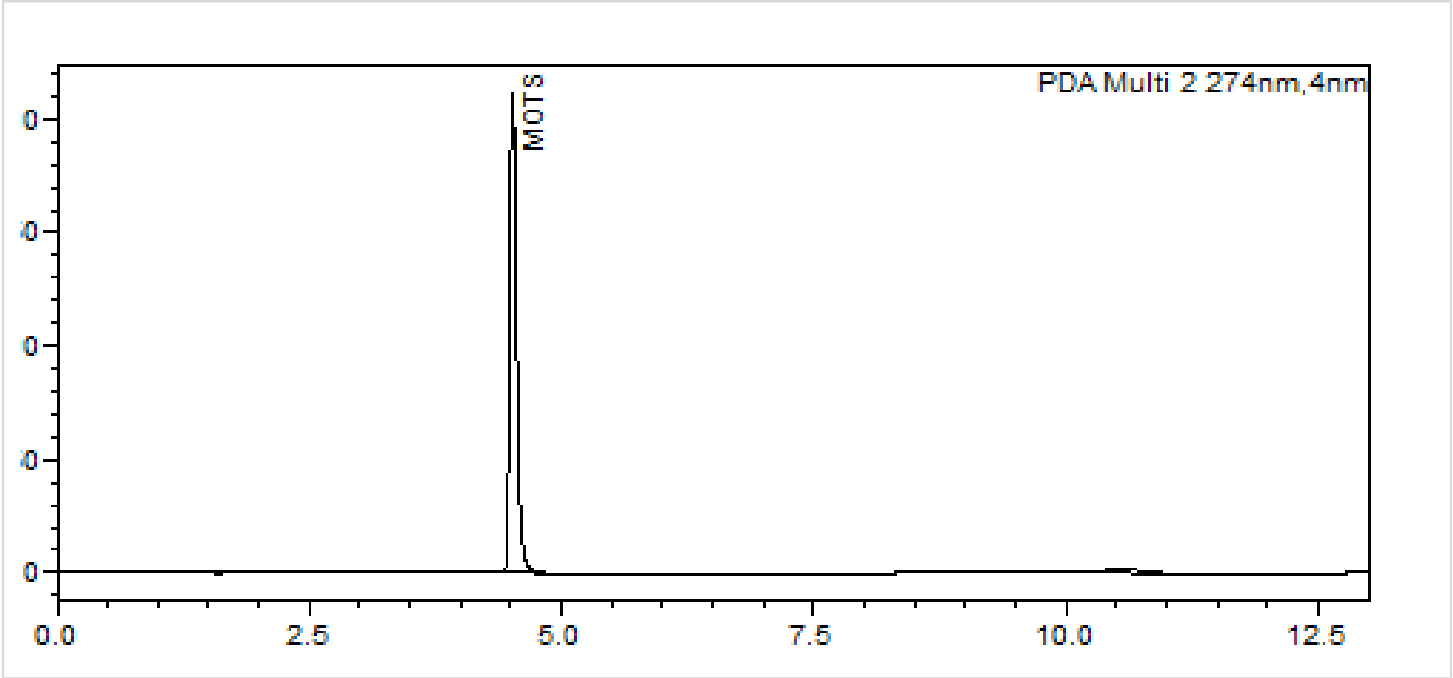
CONTENT AND RECOVERY

| ANALYTE                     | RESULT            | UNIT | LIMIT / METHOD | STATUS |
|-----------------------------|-------------------|------|----------------|--------|
| Recovery                    | 100.767 % nominal |      |                | PASS   |
| Component nominal amounts   | MOT: 10 mg        |      |                | TESTED |
| Net peptide content outcome | Pass              |      |                | PASS   |
| Net peptide content (mg/g)  | 133.4 mg/g        |      |                | TESTED |

NOTES

Material lineage only: ERP WO-0477 / STO-NHS-2026-4160 consumed raw API lot NHS-API-20260730-M0010A. Separate raw-material COA 260731-899-NHS-1; its heavy-metal and residual-solvent values are not reported as tests of this finished sample.

CHROMATOGRAM



PH SOLUTIONS LAB INC.

Analysis performed in accordance with ISO/IEC 17025:2017. Results relate only to the sample as submitted. This certificate may not be reproduced except in full without the written approval of the laboratory. The online copy at the address beside is authoritative: if a printed COA disagrees with it, the online copy governs. Questions: info@phsolutionslab.com · (818) 808-9757.



SCAN TO VERIFY

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UGVwdGEgUGhhcm1hIiwibCI6IiBQSC1NT1QxMC0y  
MDI2MDkwMi0wMSJ9.5NlUqK\_DY6YRDcI1dtTsNWH  
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