



Certificate of Analysis

MS10 | Mots-C (Human) Powder | 10 mg × 10 vials | Page 1 of 1

|              |                                   |                     |                              |                 |                 |
|--------------|-----------------------------------|---------------------|------------------------------|-----------------|-----------------|
| Document No. | PC-QC-COA-MS10-26031969-56        | Version             | V1.0                         | Document Status | Controlled Copy |
| Prepared by  | Quality Control Department        | Reviewed by         | Quality Assurance Department |                 |                 |
| Approved by  | Authorized Quality Representative | Electronic Approval | Approved                     |                 |                 |

|                     |                                   |                   |                                   |
|---------------------|-----------------------------------|-------------------|-----------------------------------|
| Product Name        | Mots-C (Human) Powder             | Product Code      | MS10                              |
| Pack Size           | 10 mg × 10 vials                  | Batch No.         | 26031969-56                       |
| CAS No.             | Controlled by Product Master File | Molecular Formula | Controlled by Product Master File |
| Mfg. Date           | Jun. 15, 2026                     | Retest Date       | Jun. 14, 2028                     |
| Product Class       | Synthetic Research Peptide        | Molecular Weight  | Controlled by Product Master File |
| Sequence / Identity | Controlled by Product Master File |                   |                                   |

| [ TEST ITEM ]        | [ SPECIFICATION ]                                    | [ RESULT ]                       |
|----------------------|------------------------------------------------------|----------------------------------|
| Appearance           | White to off-white lyophilized powder                | Complies                         |
| Solubility           | Soluble in water                                     | Complies                         |
| Identity             | HPLC/LC-MS identity method per product specification | Identity confirmed               |
| Mass spectrum        | Molecular ion within method acceptance criteria      | Consistent with product identity |
| Related substances   | Per HPLC method specification                        | Meets specification              |
| Purity (HPLC)        | NLT 98.0%                                            | 98.222%                          |
| Acetic acid          | NMT 0.5%                                             | Not detected                     |
| Trifluoroacetate     | NMT 0.5%                                             | Not detected                     |
| Ammonium ion         | NMT 8.0%                                             | Not detected                     |
| Water content (KF)   | NMT 5.0%                                             | 4.580%                           |
| Assay / Content      | NLT 80%                                              | 86.170%                          |
| Residual solvents    | Methanol NMT 3000 ppm; Ethanol NMT 5000 ppm          | Not detected                     |
| Bacterial endotoxins | NMT 10 EU/mg                                         | Complies                         |
| Microbial limits     | TAMC NMT 100 cfu/g; TYMC NMT 100 cfu/g               | Complies                         |

Conclusion: This batch complies with the approved internal quality specification.

Storage: Store in an airtight container, protected from light; short term: 2–8°C; long term: below -10°C. Retest date is valid only when stored under recommended conditions in unopened original packaging.

For research and development use only. This document is provided for product quality reference and is not intended for clinical or diagnostic use.

Testing performed under PeptiCore internal quality control procedures unless otherwise specified.

N.D. / Not detected: Below method detection limit.

Method references: Identity PC-QC-ID-001; Purity by HPLC PC-QC-HPLC-001; Mass Spectrum PC-QC-MS-001; Water Content by KF PC-QC-KF-001; Residual Solvents PC-QC-RS-001; Bacterial Endotoxins PC-QC-BET-001; Microbial Limits PC-QC-MLT-001.