

# Certificate of Analysis

Certificate Number: R3V-COA-2026-005

|                    |                                      |
|--------------------|--------------------------------------|
| Product Name       | MOTS-C                               |
| Batch / Lot Number | MOT25022601                          |
| CAS Number         | 1627580-64-6                         |
| Molecular Weight   | 2174.6 g/mol                         |
| Test Date          | 25.02.26                             |
| Storage Conditions | Store at -20°C, protected from light |

| Test                  | Specification               | Result    |
|-----------------------|-----------------------------|-----------|
| Appearance            | White or off-white powder   | Conforms  |
| Identification (MS)   | Molecular weight consistent | Conforms  |
| Peptide Purity (HPLC) | ≥98.0%                      | 99.2%     |
| Peptide Content       | ≥80.0%                      | 80.2%     |
| Water Content (KF)    | ≤8.0%                       | 3.0%      |
| Residual Solvents     | ≤5000 ppm                   | Conforms  |
| Bacterial Endotoxins  | ≤10 EU/mg                   | <10 EU/mg |
| Microbial Limits      | ≤100 cfu/g                  | Conforms  |
| Solubility            | ≥5 mg/mL (H <sub>2</sub> O) | Conforms  |

Mass Spectrometry Confirmation: Observed molecular ion peak consistent with theoretical molecular weight.

HPLC Chromatography: Primary peak corresponding to target peptide detected.

| Approved By                   | Signature          | Date     |
|-------------------------------|--------------------|----------|
| James Boyd<br>Quality Control | Digitally Approved | 25.02.26 |