

|                     |                 |                   |               |
|---------------------|-----------------|-------------------|---------------|
| <b>COA NO.</b>      | <b>BATCH</b>    | <b>ISSUE DATE</b> | <b>STATUS</b> |
| CoA-PEP-SEM-2025-01 | PEP-SEM-2025-01 | 2026-06-21        | RELEASED      |

## 1. PRODUCT IDENTIFICATION

|                     |                                       |
|---------------------|---------------------------------------|
| Compound            | Semax                                 |
| Nominal fill weight | 10mg                                  |
| Appearance          | White to off-white lyophilized powder |
| Sequence            | MET-GLU-HIS-PHE-PRO-GLY-PRO           |
| Molecular weight    | 887.0 Da                              |

## 2. BATCH INFORMATION

|                    |                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturing date | 2025-12-14                                                                                                                                                            |
| Expiry date        | 2028-12-14                                                                                                                                                            |
| Date of receipt    | 2026-06-04                                                                                                                                                            |
| Date of release    | 2026-06-21                                                                                                                                                            |
| Storage life       | 36 months when stored at $\leq -20^{\circ}\text{C}$ , protected from light and moisture, in unopened sealed vial. Stability after reconstitution is strongly reduced. |

## 3. ANALYTICAL RESULTS

| TEST              | SPECIFICATION          | RESULT              | STATUS |
|-------------------|------------------------|---------------------|--------|
| Purity (HPLC)     | $\geq 98.0\%$          | 99.37%              | PASS   |
| Mass spectrometry | Identity consistent    | Consistent          | PASS   |
| Endotoxin         | $\leq 5 \text{ EU/mg}$ | $< 5 \text{ EU/mg}$ | PASS   |
| Water             | $\leq 6.0\%$           | 3.68%               | PASS   |
| Acetate           | $\leq 10.0\%$          | 8.03%               | PASS   |
| Trifluoroacetate  | $\leq 1.0\%$           | 0.32%               | PASS   |
| Peptide content   | $\geq 80.0\%$          | 87.94%              | PASS   |

## 4. PEPTALIS QUALITY REVIEW

|                      |                  |
|----------------------|------------------|
| Visual inspection    | Conforms         |
| Packaging integrity  | Conforms         |
| Documentation review | Conforms         |
| Quality review by    | Peptalis Quality |
| Review date          | 2026-06-21       |

## 5. STORAGE & INTENDED USE

Store at  $-20^{\circ}\text{C}$ , protected from light and moisture. Supplied as a laboratory reagent for in-vitro research use only. Not for human or veterinary use, and not for diagnostic or therapeutic application.

### RELEASE

Released by  
Peptalis Quality  
Date: 2026-06-21