

SEMAX 10 mg

BATCH NUMBER

27812

CERTIFICATE OF ANALYSIS (COA) / SAMPLE REPORT

01 COMPOUND DETAILS

|              |                          |                  |             |
|--------------|--------------------------|------------------|-------------|
| CAS NUMBER   | MOLECULAR FORMULA        | MOLECULAR WEIGHT | AMOUNT      |
| 80714-61-0   | $C_{37}H_{51}N_9O_{10}S$ | 813.93           | 10 mg       |
| BATCH NUMBER | MANUFACTURE DATE         | REPORT DATE      | RETEST DATE |
| 27812        | 01/09/2026               | 02/09/2026       | 01/12/2026  |

PEPTIDE SEQUENCE

Met-Glu-His-Phe-Pro-Gly-Pro (H-Met-Glu-His-Phe-Pro-Gly-Pro-OH)

02 ANALYTICAL RESULTS

| #  | TEST                 | SPECIFICATION                  | REPORTED RESULT |
|----|----------------------|--------------------------------|-----------------|
| 1  | Appearance           | White powder in vial           | White powder    |
| 2  | Solubility           | Freely soluble in water        | Conforms        |
| 3  | Water Content (K.F)  | ≤7.0%                          | 2.43%           |
| 4  | Acetic Acid          | ≤15.0%                         | 3.73%           |
| 5  | Identity by MS       | Theoretical MW:813.92          | Conforms        |
| 6  | Purity (by HPLC)     | ≥98.0%                         | 99.08%          |
| 7  | Residual Solvent     | Acetonitrile ≤410 ppm          | Conforms        |
|    |                      | Dichloromethane ≤600 ppm       | N.D             |
|    |                      | Methanol ≤3000 ppm             | Conforms        |
|    |                      | N,N-Dimethylformamide ≤880 ppm | N.D             |
| 8  | Total Plate count    | ≤200 cfu/g                     | Conforms        |
| 9  | Bacterial Endotoxins | < 10 EUmg                      | Conforms        |
| 10 | Amount by HPLC       | 10 mg                          | 11.01 mg        |

**STORAGE** Preserve in an air tight container, protected from light at a temperature of -25°C-15°C

**CONCLUSION** The product tested Conform with In-house standard

**REMARK** It is only supplied as chemical product