

**CERTIFICATE OF ANALYSIS**

<b>Product Name:</b>	Semax	<b>CAS Number:</b>	80714-61-0
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>54</sub> N <sub>10</sub> O <sub>10</sub> S	<b>Molecular Weight:</b>	813.92
<b>Quantity:</b>	1000.0mg	<b>Date of Analysis:</b>	2024-11-10
<b>Storage:</b>	Cool, dry place	<b>Retest Date:</b>	2026-11-10

<b>Sequence:</b>	H-Met-Glu-His-Phe-Pro-Gly-Pro-OH
------------------	----------------------------------

Tests	Specifications	Results
Appearance	White to off white powder	Conforms
Purity (HPLC)	≥98.0%	98.81%
Acetate Content (HPLC)	<12.0%	10.83%
Peptide Content (N%)	≥80.0%	84.7%
Water Content (Karl Fischer)	≤10.0%	2.27%
MS (ESI)	Conforms	Conforms
Mass Balance	95.0~105.0%	Conforms

<b>Conclusion:</b>	Complies with the manufacturer's standard.
--------------------	--------------------------------------------

**DISCLAIMER:**

- 1) The shipment contains Chemically Synthesized Peptide. (Synthetic Protein). It is not derived from human, animal or plant material.
- 2) The above material is to be used exclusively for in vitro laboratory research purposes only. It has no commercial resale value. It is NOT for Human or Animal Consumption.
- 3) The material is NOT hazardous, nor infectious. The material is NOT an immunogen.
- 4) It is NOT a drug or a controlled substance.
- 5) It does NOT contain any animal or cell culture derived products or additives such as Albumin or Serum.
- 6) The material is NON-HAZARDOUS.