

CERTIFICATE OF ANALYSIS

Product Name	Semax
CAS No.	80714-61-0
Molecular Formula	C ₃₇ H ₅₁ N ₉ O ₁₀ S
Molecular Weight	813.92
Batch No.	XR26042301
Date of Mfg	Apr 23, 2026
Reference Standard	Enterprise Standard
Retest Date	Apr 22, 2028
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content	≤ 8.0%	2.32%
Acetic Acid	≤ 15.0%	3.13%
Trifluoroacetic Acid	≤ 0.5%	Not Detected
Peptide Purity	≥ 98.0%	99.52%
Total Impurities	≤ 2.0%	0.61%
Largest Single Impurity	≤ 1.0%	0.36%
Bacterial Endotoxins	≤ 10 EU/mg	<1 EU/mg
Assay	≥ 90.0%	95.48%

Note: This product is for research or production use only. Not for direct human use.