Certificate of Analysis

Product Name	Semax		
Molecular Formula	$C_{46}H_{68}N_{12}O_{15}S$	**Batch No.**	SM20260912
Molecular Weight	~1084.2 Da	**Date of Producing**	2026/09/12
Date of Survey	2026/09/18	**Expire Date**	2028/09/11
Reference Standard	Enterprise Standard	**Specification**	10mg/vial

TEST	SPECIFICATION	RESULT
Appearance	White to off-white lyophilized powder	Conform
Solubility	Soluble in water or 0.9% NaCl	Conform
Identity By MS	1084.2 ± 1.0	1083.9
Water Content (Karl Fischer)	≤ 8.0%	4.8%
Acetic Acid (By HPLC)	≤ 15.0%	8.5%
Peptide Purity (By HPLC)	≥ 98.0%	99.1%
Related Substance (By HPLC)	Total Impurities ≤ 2.0%	1.5%
	Largest Single Impurity ≤ 1.0%	0.7%
Assay	95%-105%	99.2%
Bacterial Endotoxin	< 10 EU/mg	< 10 EU/mg
Conclusion: the product conforms with enterprise standard and qualified		

Research Enhanced Peptides

The product is for compliant use only.