Certificate Of Analysis

NO:026-F72-TSX

Product Name	XS20 (Semax 10mg + Selank 10mg)		
Molecular Formula	$C_{37}H_{51}N_9O_{10}S$ (Semax) / $C_{33}H_{57}N_{11}O_9$ (Selank)	**Manufacturing**	2026/08/28
Molecular Weight	813.92 g/mol (Semax) / 751.88 g/mol (Selank)	**Report Date**	2026/09/02
CAS No.	80714-61-0 (Semax) / 129954-34-3 (Selank)	**Re-test Date**	2028/08/28
Appearance	White lyophilized powder	**Packing size**	10 mg + 10 mg / vial, 10 vials/box
Reference Standard	Reference Ch.p	**Storage conditions**	Store at -20°C (Avoid light and moisture)
Sequence	Semax: Met-Glu-His-Phe-Pro-Gly-Pro Selank: Thr-Lys-Pro-Arg-Pro-Gly-Pro		

Tests	Specifications	Results
Appearance	White lyophilized powder / cake	Conforms
Identification (MS)	Semax: 813.92 ± 1.0 Da Selank: 751.88 ± 1.0 Da	Conforms
Purity (HPLC - Semax)	≥ 98.0%	99.1%
Purity (HPLC - Selank)	≥ 98.0%	99.3%
Assay (Peptide Content)	Semax: 9.0 – 11.0 mg/vial Selank: 9.0 – 11.0 mg/vial	9.85 mg/vial / 9.90 mg/vial
Water Content (Karl Fischer)	≤ 8.0%	4.2%
Acetic Acid (By HPLC)	≤ 12.0%	7.8%
Total Impurities (HPLC)	≤ 2.0%	0.8%
Bacterial Endotoxins	≤ 0.50 EU/mg	< 0.20 EU/mg

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Limit To Research And Submission Use
Not For Direct Human Application

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker：** Bowen Yang