

BATCH QUALITY DOCUMENT

Certificate of Analysis

Batch-specific analytical results, QSC Peptidology in-house QC.

Product	Semax	Batch	SMX-2605
Mfg date	2026-05-14	Test date	2026-05-14
Retest date	2028-05-13	Quantity	11g
Molecular formula	C37H51N9O10S	Molecular weight	813.4
Storage condition	-20±5°C		

Test Item	Acceptance Criteria	Test Result	Status
Appearance	White or off-white powder	White powder	PASS
Solubility	Soluble in water (1mg/ml)	Meet the requirements	PASS
Identity By MS	813.93±1.0	813.4	PASS
Water Content (Karl Fischer)	≤5.0%	3.3%	PASS
Acetic Acid (By HPLC)	≤24.0%	5.5%	PASS
Peptide Purity (By HPLC)	≥99.0%	99.6%	PASS
Related Substance	Total Impurities ≤1.0% Single Impurity ≤0.5%	0.37% 0.17%	PASS
Peptide content	≥80.0%	90.8%	PASS
Organic solvent residue	Acetonitrile ≤410ppm Methanol ≤3000ppm Triethylamine ≤320ppm Dichloromethane ≤600ppm N,N-Dimethylformamide ≤880ppm	191ppm 37ppm ND 21ppm ND	PASS
Bacterial Endotoxins	<5IU/mg	<5IU/mg	PASS
Microbial limit	Total aerobic bacteria ≤100cfu/g Mould & Yeast ≤10cfu/g	<100cfu/g <10cfu/g	PASS

CONCLUSION Meets all specifications stated above.

For research and development use only. Not for human or veterinary use.

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