Certificate of Analysis

Product Name	MOTS-c (Human)		
Molecular Formula	$C_{84}H_{134}N_{26}O_{26}S$	Batch No.	MC20260918
Molecular Weight	1899.19 Da	Date of Producing	2026/09/18
Date of Survey	2026/09/22	Retest Date	2028/09/17
Reference Standard	Enterprise Standard	Specification	10mg

TEST	SPECIFICATION	RESULT
Appearance	White or off-white lyophilized powder	Conform
Assay	95.0%-105.0%	99.3%
Solubility	Soluble in water or PBS	Conform
Water Content (Karl Fischer)	≤ 8.0%	5.2%
Acetic Acid (By HPLC)	≤ 15.0%	7.8%
Peptide Purity (By HPLC)	≥ 98.0%	98.5%
Related Substance (By HPLC)	Total Impurities ≤ 2.0%	1.5%
	Largest Single Impurity ≤ 1.0%	0.7%
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.