



Product Name	MOTS-c	CAS #	1627580.64-6
Molecular Formula	C101H152N28O22S2	Molecular Weight	2174.62
Batch #	TH2202001	Date of Mfg	2022-02-09
Reference Standard	Enterprise Standard	Retest Date	2024-02-08
Storage	In an airtight container, protected from light, at a temp of 2C to 8C		

TEST	SPECIFICATION	RESULT
Appearance	White or almost white fluffy powder	Conform
Solubility	Soluble in water	Conform
Water Content (Karl Fischer)	$\leq 8.0\%$	5.60%
Peptide Purity (By HPLC)	$\geq 98.0\%$	99.19%
Related Substance (By HPLC)	Total Impurities (%) $\leq 2.0\%$	0.81%
	Largest Single Impurity (%) $\leq 1.0\%$	0.40%
Bacterial Endotoxins	$\leq 10\text{EU/mg}$	Conform
Assay	$\geq 90.0\%$	100.09%
Residual Solvents	Acetonitrile: NMT 410ppm	Not Detected
	Dichloromethane: NMT 600ppm	Not Detected
	DMF: NMT 880ppm	Not Detected

Conclusion	This batch conforms with enterprise standards and qualified
Test Performed By	Mike M
Test Date	2/14/22