



HEALTHTIDE BIOTECH CO.,LTD.

Certificate of Analysis

Product Name	MOTS-C	CAS No.	1627580-64-6
Molecular Formula	C101H152N28O22S2	Molecular Weight	2174.62
Batch No.	XR25121502-1	Date of Mfg	Dec 15,2025
Reference Standard	Enterprise Standard	Retest Date	Dec 14,2027
Storage	Place in an airtight container protected from light and keep the temperature between 2°C and 8°C.		
TEST	SPECIFICATION		RESULT
Appearance	White or almost white fluffy powder		Conform
Solubility	Soluble in water		Conform
Water Content (Karl Fischer)	$\leq 8.0\%$		3.68%
Acetic Acid	$\leq 15.0\%$		9.17%
Trifluoroacetic Acid	$\leq 0.5\%$		Not Detected
Peptide Purity (By HPLC)	$\geq 98.0\%$		99.77%
Related Substance (By HPLC)	Total Impurities($\%$) $\leq 2.0\%$		0.41%
	Largest Single Impurity($\%$) $\leq 1.0\%$		0.21%
Bacterial Endotoxins	≤ 10 EU/mg		Conform
Assay	$\geq 85.0\%$		90.02%
Conclusion	This batch meets the internal standards of the enterprise and is qualified.		

Note: This product is for research or production use only. Not for direct human use.

Analyst: Pu mingyue

Approved by: Ding wenchen

