

Abbreviations

NMT = Not More Than

NLT = Not Less Than

CERTIFICATE OF ANALYSIS

LAB
TESTED

COA No.	PEP-COA-202601-024	
Document ID	PEP-QA-COA-024	
Issue Date	1/17/2026	

Product Name	MOTS-c
CAS No.	1627580-64-6
Molecular Formula	$C_{101}H_{152}N_{28}O_{22}S_2$
Molecular Weight	2174.64 g/mol
Quantity	10 MG
Manufacturer / Supplier	Peppi
Batch / Lot No.	MOTSC-011326
Production Date	01/13/2026
Retest / Expiry Date	01/13/2027

Test Item	Specification	Method	Result
Appearance	White to off-white crystalline powder	Visual Inspection	Conforms
Solubility	Soluble in water	Solubility test	Conforms
Water Content	NMT 5.0%	Karl Fischer	2.9%
Sodium Ion	NMT 0.10%	ICP-MS	Conforms
Trifluoroacetic Acid (TFA)	NMT 0.10%	HPLC	Conforms
Peptide Purity	NLT 98.0%	HPLC	99.0%
Related Substances	Total NMT 2.0%	HPLC	Conforms
Bacterial Endotoxins	NMT 5.0 EU/mg	LAL	Conforms
Assay	95.0% – 105.0%	HPLC	97.6%
Residual Solvents	Meets USP <467>	GC per USP <467>	Conforms

Storage Conditions	Store refrigerated at 2–8 °C.
Shelf Life	24 months from manufacture date
Conclusion	The above product conforms to established specifications.

Testing was performed in accordance with internal analytical methods and applicable pharmacopeial standards where appropriate.

Analyst Name	Michael R.
Title	Lead Analytical Chemist
Authorized Signature	
Date	1/17/2026