

Certificate of Analysis (COA)

Product Name: MOTS-c

Lot No.: 3132031

Sequence: Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg

Modifications: Linear mitochondrial-derived peptide- No chemical modifications- No PEGylation or conjugation- No DAC structure

Storage Conditions: -20°C

Report Date: 15 May 2026

Test Results

Test Item	Specification	Result
Appearance	White to off-white lyophilized powder	Conforms
Molecular Weight (MS)	2174.6 ±1.0 Da	2175.4 Da
Purity (HPLC)	>98%	99.5%
Retention Time (HPLC)	+0.2 min of standard	Conforms
Related Substances (HPLC)	≤ 0.5% each / ≤ 1.5% total	0.7%
Solubility	Freely Soluble in Water	Conforms
Acetic Acid Content	≤ 5000 ppm	1100 ppm
TFA Content	≤ 50 ppm	9 ppm
DCM Content	≤ 50 ppm	N.D.
DMF Content	≤ 100 ppm	N.D.
E. Coli & Salmonella	Absent	N.D.
Total Aerobic Count	≤100 CFU/g	<10 CFU/g
Yeast & Molds Count	≤10 CFU/g	<10 CFU/g
Endotoxins	≤0.5 EU/mg	<0.05 EU/mg