PURE PEPTIDES

BIOPHARMACEUTICALS

SCIENCE | QUALITY | INTEGRITY

Pure Peptides Biopharmaceuticals
purepeptideshome.co
support@purepeptideshome.co

RESEARCH • EDUCATION • A HIGHER STANDARD

CERTIFICATE OF ANALYSIS

PRODUCT QUALITY DOCUMENTATION

Document No.	PPCOA-2026-005
Issue Date	08 Apr 2026
Page	1 of 1
Revision	1.0

1. PRODUCT INFORMATION

Product Name	MOT-C
Product Code	PP-MOTC-001
CAS Number	1627580-64-6
Batch Number	MOTC-202-606-21
Manufacturing Date	08 Apr 2026
Retest Date	08 Apr 2028
Quantity	40 mg
Appearance (Product)	White lyophilised powder
Intended Use	For research purposes only. Not for human consumption.

MOT-C

(MOTS-c, 16-residue peptide)

Formula: C101H152N28O22S2
MW: 2174.6 g/mol
Sequence: Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
One-letter: MRWQEMGYIFYPRKLR
CAS: 1627580-64-6

2. SPECIFICATIONS

Test Parameter	Specification	Method
Appearance	White lyophilised powder	Visual
Identity	Conforms to reference standard	LC-MS
Purity (HPLC)	≥ 99.2%	HPLC (UV)
Peptide Content	≥ 98.0%	HPLC
Water Content (Karl Fischer)	≤ 5.0%	KF
Residual Solvents	Meets ICH Q3C guidelines	GC
Microbial Limit (TAMC/TYMC)	≤ 100 CFU/g / ≤ 10 CFU/g	USP <61>, <62>
Endotoxins	≤ 0.25 EU/mg	LAL
Heavy Metals (as Pb)	≤ 10 ppm	ICP-MS

3. CONCLUSION

This batch of MOT-C complies with the above product specifications.	**RESULT:**	**PASS**

4. APPROVAL

	Name	Position	Signature	Date
Prepared by	Zheng Pal	Quality Assurance	Zheng Pal	08 Apr 2026
Approved by	Sarah Mitchell	Quality Control	S Mitchell	08 Apr 2026

LAB TESTED
INDEPENDENT REPORT
QUALITY ASSURED • RESEARCH PURPOSES ONLY

This certificate relates only to the batch number stated above.
Independent laboratory documentation is supplied separately where applicable.
This product is for research purposes only. Not for human consumption.
Pure Peptides Biopharmaceuticals accepts no liability for misuse of this material.