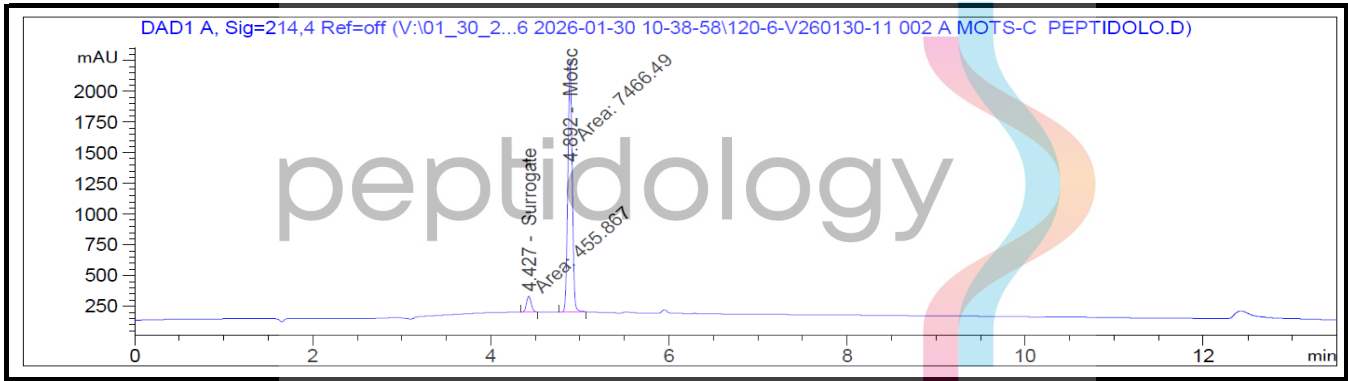


# Certificate of Analysis

MOTS-C 10 mg

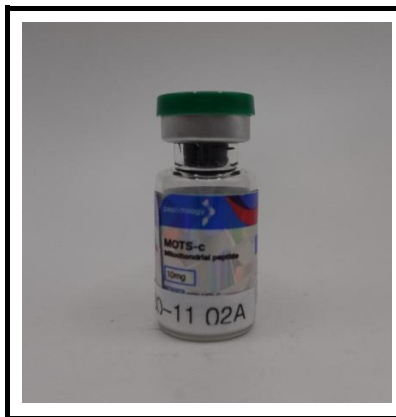
Report To:  
**Peptidology**  
11111 N Scottsdale Rd STE 205  
Scottsdale, AZ 85254  
480-974-4660

Compound: MOTS-C  
Amount: 10 mg  
Laboratory ID: V260130-11 002  
Date Reported: 3/9/2026  
Lot Number: 1671



Chromatogram for vial A shown above.

Analysis	Method	Result (per Vial)		
Chromatographic Purity	HPLC-UV/VIS	>99.80%	>99.80%	>99.80%
Assay	HPLC-UV/VIS	10.72 mg	10.65 mg	10.62 mg




Report By: Dustin Newman, Laboratory Director on 3/9/2026



Approved By: Tori Johnson, Operations Manager on 3/9/2026



Please consult A2LA Certificate #6377.01.01 for a list of accredited tests. Samples were received in acceptable condition. The result(s) in this report relate only to the portion of the sample(s) tested. All analyses were performed consistent with the Vanguard Laboratory Quality Management System. Vanguard Laboratory and its staff did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch.



Vanguard Laboratory  
2635 Parkmont Ln  
Olympia, Wa 98502  
360-967-7010

# Certificate of Analysis

MOTS-C 10 mg

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Scottsdale, AZ 85254  
480-974-4660

Compound: MOTS-C  
Amount: 10 mg  
Laboratory ID: V260130-11 002  
Date Reported: 3/9/2026  
Lot Number: 1671

Analyte	Method	LOQ (ppm)	Result (ppm)
Chromium (Cr)	ICP-MS	0.05	ND
Arsenic (As)	ICP-MS	0.01	ND
Cadmium (Cd)	ICP-MS	0.01	ND
Lead (Pb)	ICP-MS	0.02	ND
Mercury (Hg)	ICP-MS	0.005	ND

Run ID: 260212

Analysis	Method	Result (per Vial)	
Endotoxins	LAL	A	Pass - <5.00 EU/mg*
		B	Pass - <5.00 EU/mg*

\*Pass/Fail criteria based on the USP/FDA threshold of 5 EU/kg (350 EU total for a 70 kg adult)

Analysis	Method	Result (per Vial)	
Sterility	USP <71>	A	Pass - No Growth
		B	Pass - No Growth
		C	Pass - No Growth
		D	Pass - No Growth
		E	Pass - No Growth

Report By: Dustin Newman, Laboratory Director on 3/9/2026

Approved By: Tori Johnson, Operations Manager on 3/9/2026

ND: Non-Detect

LOD: Limit of Quantification



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# Certificate of Analysis

MOTS-C 10 mg

Report To:

**Peptidology**

11111 N Scottsdale Rd STE 205

Scottsdale, AZ 85254

480-974-4660

Compound: MOTS-C

Amount: 10 mg

Laboratory ID: V260130-11 002

Date Reported: 3/9/2026

Lot Number: 1671

Residual Solvents Analysis			
Analyte	Method	LOQ (ppm)	Result (ppm)
Acetone	GC-MS	3.7	ND
Benzene	GC-MS	0.02	ND
Butanes	GC-MS	3.7	ND
Chloroform	GC-MS	0.02	ND
Cyclohexane	GC-MS	2.9	ND
Dichloromethane	GC-MS	0.45	ND
Ethanol	GC-MS	3.7	ND
Ethyl Acetate	GC-MS	3.7	ND
Heptane	GC-MS	3.7	ND
Hexanes	GC-MS	0.21	ND
Isopropanol	GC-MS	3.7	ND
Methanol	GC-MS	2.2	ND
Pentanes	GC-MS	3.7	ND
Propane	GC-MS	3.7	ND
Toluene	GC-MS	0.66	ND
Total Xylenes	GC-MS	1.6	ND

Analysis	Method	Result (per Vial)	
Container Closure Integrity	Dye Ingress Method	A	Pass
		B	Pass
Solubility Analysis	Fully Soluble in 2 mL Water	A	Pass
		B	Pass
Trifluoroacetic Acid (TFA)	Ion Chromatography	ND - <0.10%	

ND: Non-Detect

LOD: Limit of Quantification



Report By: Dustin Newman, Laboratory Director on 3/9/2026

Approved By: Tori Johnson, Operations Manager on 3/9/2026

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# LABORATORY REPORT

Peptidology  
11111 N Scottsdale Rd  
Scottsdale, AZ 85254

Phone: 480-974-4660

Account #: E74035

Sample Name: MOTS-c

Lot #: 1671

Storage Conditions: Room Temperature

Date Received: 1/30/2026

Submission #: ETX-260129-0527



### **Microbiology Tests:**

#### **ScanRDI Sterility Test**

**Method Suitability:** No Method Suitability on file

**Result:** Pass

Date Started: 1/30/2026

Date Completed: 2/3/2026

Respectfully submitted,  
EAGLE ANALYTICAL SERVICES INC.

Alison Eng, Quality Control Manager

**Results apply only to the tested sample(s) as received.**