



Client: Solyn LLC

Certified: 07/27/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	MOTS-c	Form	Lyophilized Powder
Batch	2607-208	Labeled Qty	40 mg
Mol. Formula	C101H152N28O22S2	CAS Number	1627580-64-6
Cap Color	White	Crimp Color	Silver

TEST RESULTS

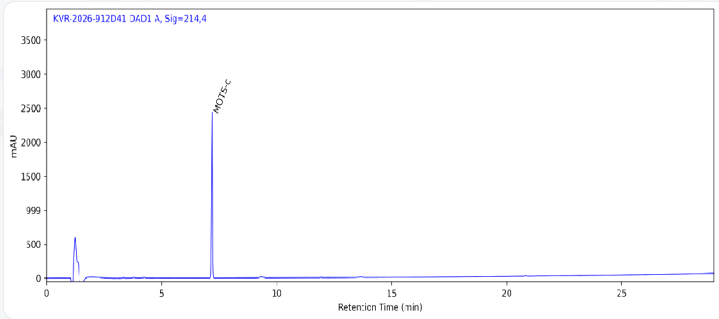
	REFERENCE STANDARD	RESULT
Batch Avg Purity	(>98%)	99.502%
Batch Avg Net Content	(~40mg)	40.79 mg
Identity Confirmation (LC-MS)	(MOTS-c)	MOTS-c
Microbial Sterility Screen	(No Growth)	No Growth

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.484	41.27
Vial 2	99.636	40.96
Vial 3	99.386	40.13
Batch Average	99.502%	40.79 mg

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm



Amir Arghandinal
Lab Director



koveralabs.com/verify

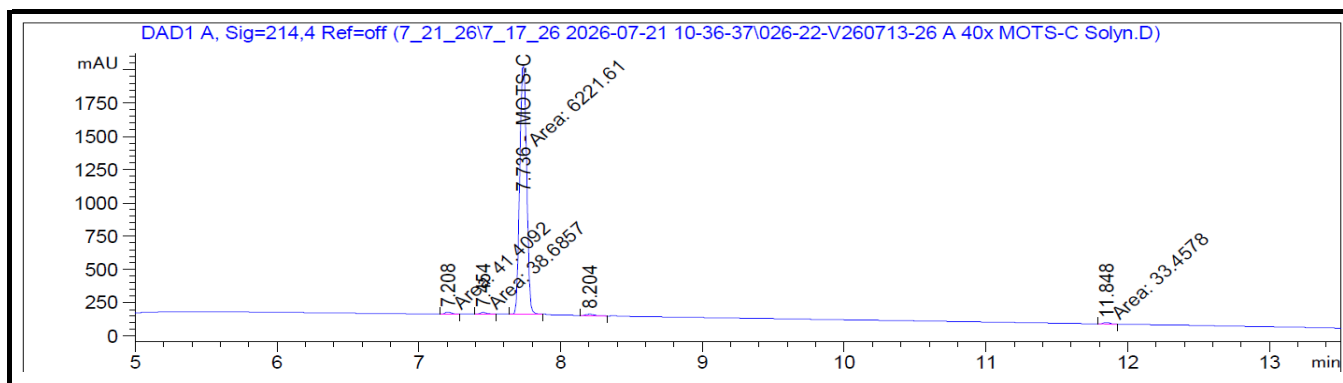
Report#: KVR-2026-912D41
Access Code: QPMXT7J

Certificate of Analysis

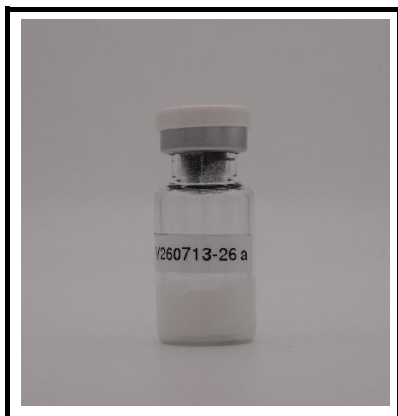
MOTS-C 40 mg

Report To:
Solyn LLC

Compound: MOTS-C
Amount: 40 mg
Laboratory ID: V260713-26 001
Date Reported: 7/27/2026
Lot Number: 2607-208



Analysis	Method	Result (per Vial)		
Identity	HPLC-UV/VIS	Pass - Matches Ref. Standard		
Chromatographic Purity	HPLC-UV/VIS	98.58%	98.65%	98.56%
Assay	HPLC-UV/VIS	43.34 mg	43.09 mg	43.19 mg
Fentanyl Screening	HPLC-UV/VIS	Pass - Not Detected		




Report By: Dustin Newman, Laboratory Director on 7/27/2026



Approved By: Tori Johnson, Operations Manager on 7/27/2026



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 40 mg

Report To:
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Compound: MOTS-C
Amount: 40 mg
Laboratory ID: V260713-26 001
Date Reported: 7/27/2026
Lot Number: 2607-208

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

Run ID: 260715b

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)

Report By: Dustin Newman, Laboratory Director on 7/27/2026

Approved By: Tori Johnson, Operations Manager on 7/27/2026

ND: Non-Detect

LOD: Limit of Quantification



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MOTS-C 40 mg

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Compound: MOTS-C
Amount: 40 mg
Laboratory ID: V260713-26 001
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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
Trifluoroacetic Acid (TFA)	Ion Chromotography	ND - <0.10%	

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