

Sample Received: **April 21, 2026** COA Issued: **April 27, 2026**

PRODUCT INFORMATION

Vendor:	Sample Name:	Sample Type:	Lot Number:	MW:
Revitacore, LLC	MOTS-C 10mg	White lyophilized powder	MC102603A	2174.6 g/mol

ANALYTICAL METHODS

Identity: Confirmed via MALDI-MS
Purity: RP-HPLC (214 nm)
Content: HPLC quantitation

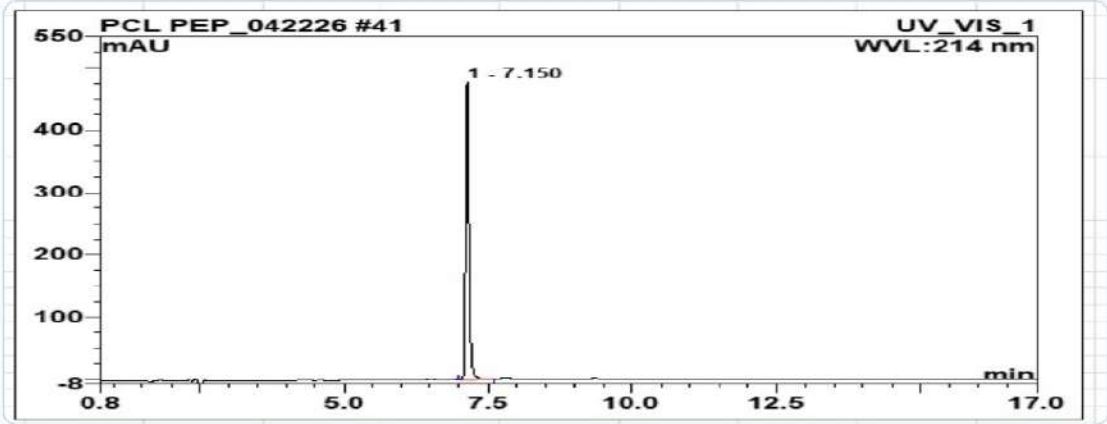
TEST RESULTS

Specification	Result	Method	Status
Identity: MOTS-C	MOTS-C	MALDI-MS	✓ Conforms
Content	9.88 mg	HPLC Quantitation	✓ Conforms
Overall Purity	99.9%	RP-HPLC (214 nm)	✓ Conforms
Endotoxin	<0.05 EU/mL	<USP85>	✓ Conforms

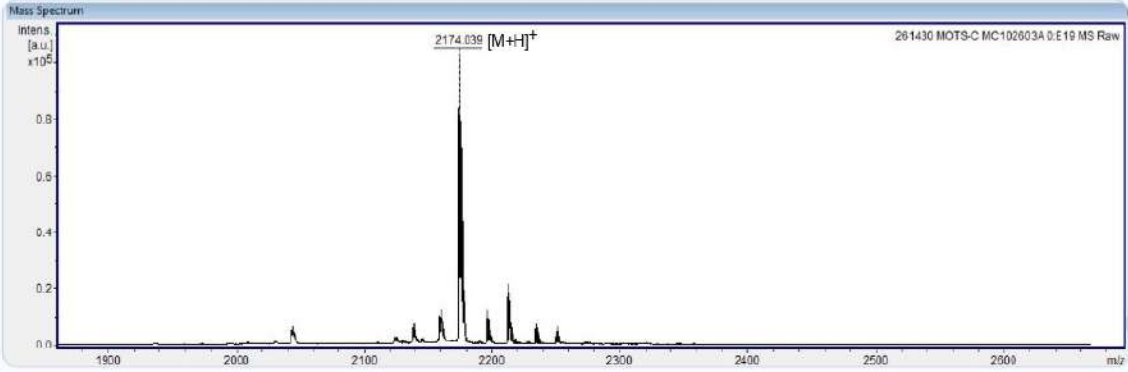
HPLC Chromatogram (Retention Time: 7.150 min)



MOTS-C
10MG
For Research Only
QC261430



PCL PEP_042226 #41
UV_VIS_1
WVL:214 nm
1 - 7.150



Mass Spectrum
Intens. [a.u.] x10⁵
2174.036 [M+H]⁺
261430 MOTS-C MC102603A 0.E19 MS Raw

Certification: This COA confirms that the tested material meets or exceeds Bioviridian's analytical quality specifications for peptide research use.
Visit: <https://bioviridians.com/coa-search.html>



Shane Straight

Shane Straight, M.S.
Principal Chemist, Bioviridian Inc.

Client: Revitacore LLC

Sample received: 08/24/26
Analysis conducted: 08/31/26

Compound:	MOTS-c	CAS:	1627580-64-6
Batch/Lot #:	MC402604Q	Formula:	C101H152N28O22S2
Appearance:	White lyophilized powder	Mol Wt:	2174.64 g/mol

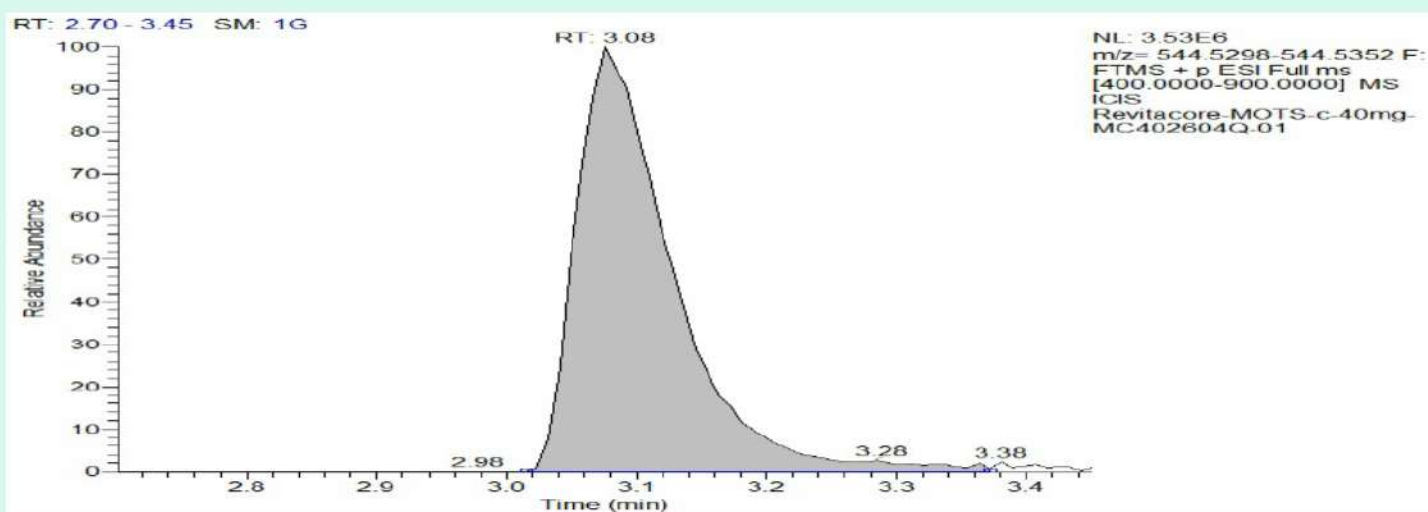
Method: Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

Pubchem CID: 155885767

MOTS-c | C101H152N28O22S2 | CID 155885767

	Specification	Result	
Identity Test:	MOTS-c	MOTS-c	Conforms
Quantity:	40 mg	47.3 mg	Conforms
Purity:	>99%	99.63%	Conforms

LC-MS Chromatogram: Retention Time and Peak Analysis



Limulus Amebocyte Lysate (LAL) – Report of Analysis

Test Performed	Endosafe - PTS LAL Assay
Test Date	09/01/2026
Analyst	ROBERTO
Instrument	Endosafe® nexgen-PTS™ (SN: 25201216)

Sample Information

Company Name	Revitacore LLC
Sample Tested	MOTS-c
Sample Lot Number	MC402604Q
Sample Amount	40mg
Vials/Units Received	1

Reagent Information

Cartridge Type	Endotoxin- LAL (Charles River)
Cartridge Lot #	2612141407
Cartridge Calibration Code	512830694630
Detection Range	0.05 EU/mL – 5.0 EU/mL
Spike Value	0.667 EU/mL
Spike Recovery	101% Pass
Test Suitability	Pass

Endotoxin Quantitation Results

Sample ID	Replicates	Measured EU/mL	Specification	Pass/Fail
MOTS-c	1	< 0.05 EU/mL	<= 0.50 EU/mL	Pass

Interpretation:

Endotoxin level in MOTS-c was measured using chromogenic LAL assay with detection at 405 nm. The result of < 0.05 EU/mL indicates that the endotoxin content is below the acceptable threshold of 0.50 EU/mL. Sample **Passes** the endotoxin limit test.

Analyst Signature: _____



Date: 09/01/2026

To verify the authenticity of this report, please contact **BioRegen** at
contact@bioregen.com or reference the **Report ID** and **Validation Key** provided above.

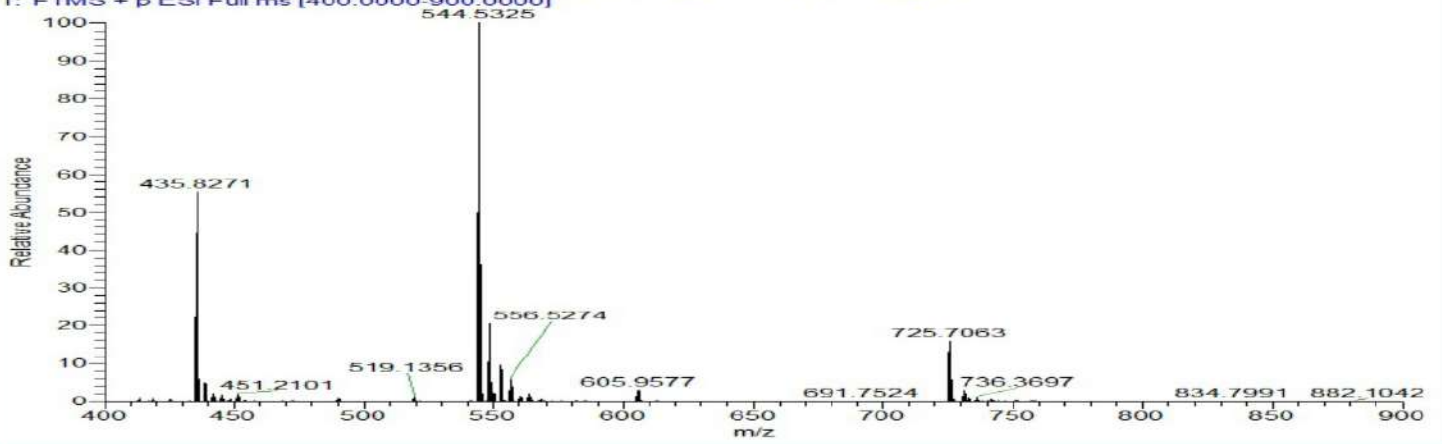
Alternatively, scan the QR code below to access the official record on our website.



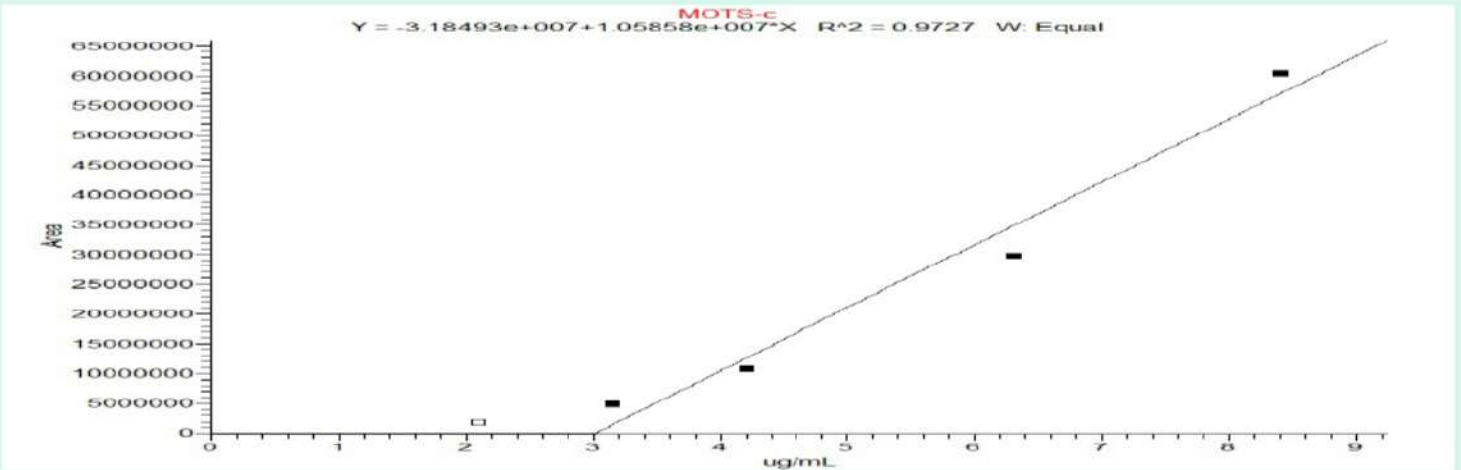
Full Scan Mass Spectrometry Analysis

Revitacore-MOTS-c-40mg-MC402604Q-01 #353 RT: 3.08 AV: 1 NL: 3.52E6

T: FTMS + p ESI Full ms [400.0000-900.0000]



Calibration Curve



Analysis Performed by

Dr. Roberto Marin
Analytical Chemist
contact@bioregen.com

Roberto Marin

COA #13894
Security Key **REVITA01**
bioregen.com/verify

