



Client:	Modern Aminos
Accession #:	2605080087
Search Code:	Mode2605080087
Received:	05/08/2026
Reported:	05/11/2026
Lot:	BX-P-A9G1

Sample Summary

Product:	MOTS-C 40mg	Purity:	Vial 1: 99.73% Vial 2: 99.81% Vial 3: 99.78%
Identity:	Confirmed	Net Content:	Vial 1: 40.30 mg Vial 2: 40.94 mg Vial 3: 39.65 mg
Appearance:	White Lyophilized Powder		

Analytical Results

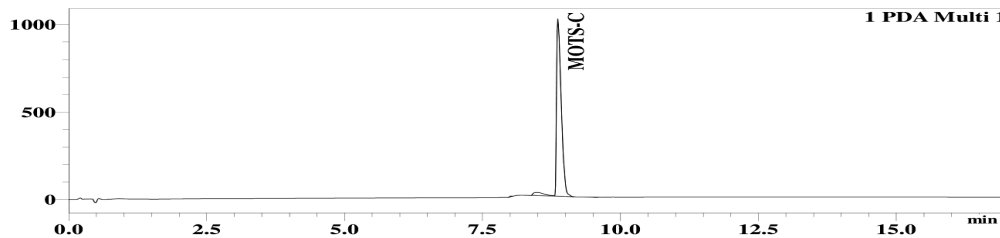
Test	Result
Identity (LC-MS)	MOTS-C
Purity (HPLC-UV)	99.77%
Net Content Average	40.30 mg

Method: Endotoxin testing performed using Limulus Amebocyte Lysate assay in accordance with USP <85> under validated laboratory conditions.

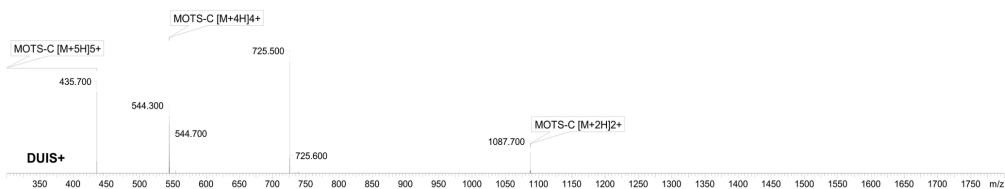
Endotoxin Replicate 1:	Pass	Assay Sensitivity: ≤ 0.05 EU/mL
Endotoxin Replicate 2:	Pass	Assay Sensitivity: ≤ 0.05 EU/mL

Method: HPLC with UV detection coupled with mass spectrometry (LC-MS).

Chromatogram



Mass Confirmation



Alex Johnson

Principal Chemist

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The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample (s) provided. The peptides tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables.

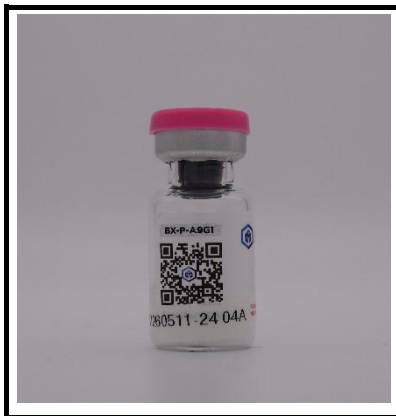
Certificate of Analysis

MOTS-C 40 mg

Report To:
Modern Aminos LLC
9169 W State St #1451
Garden City, ID 83714-1733

Compound: MOTS-C
Quantity: 40 mg
Laboratory ID: V260511-24 004
Lot Number: BX-P-A9G1
Date Reported: 6/15/2026

Analysis	Method	Vial	Results
Sterility	USP <71>	A	Pass - No Growth Det.
		B	Pass - No Growth Det.
		C	Pass - No Growth Det.
		D	Pass - No Growth Det.
		E	Pass - No Growth Det.
		F	Pass - No Growth Det.
		G	Pass - No Growth Det.
		H	Pass - No Growth Det.
		I	Pass - No Growth Det.
		J	Pass - No Growth Det.




Report By: Dustin Newman, Laboratory Director on 6/15/2026



Approved By: Tori Johnson, Operations Manager on 6/15/2026

ND: Not Detected



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
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QUALITY PRODUCTS WITH QUALITY SERVICE