Customer:
Evolve BioPep

EA Sample ID: 26EA0325-024
Sample Name: Mots
Sample Type: Powder
Batch/Lot: EM-260322-H10

Date Received:
03/26/2026
Date Completed:
03/30/2026

ETHOS ANALYTICS

CERTIFICATE OF ANALYSIS

Summary of Results

Analysis Type	Method	Date Tested	Status
Peptides	HPLC	03/30/2026	Complete
Bacterial Endotoxins	USP <85>	03/30/2026	Complete
Heavy Metals	ICP-MS	03/28/2026	Pass
Microbiological	Petrifilm/qPCR	03/29/2026	Pass



Serving Size: N/A

Peptide Analysis

Analyte	Result	Specification	LOD
MOTS-C	10.59mg/vial	10mg/vial	0.1%
Identity of the analyte was confirmed by retention time concordance with a certified reference standard, per USP <621>.			
Chromatographic Purity	>98%	>98%	0.1%
Bacterial Endotoxins (Gel-Clot: 1:10 Dilution)	<1.25 EU/ml	<5 EU/ml	λ = 0.125 EU/mL

NOTES:

NS = NOT SPECIFIED
LOD = LIMIT OF DETECTION
LOQ = LIMIT OF QUANTIFICATION

ETHOS ANALYTICS
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Noel Samsum
Laboratory Director
30-Mar-2026

The sample analyzed was inspected and is free from visual mold, mildew, and foreign matter. The testing procedures, equipment calibration, and maintenance are all in accordance with ISO/IEC 17025:2017 standards. The presented report is only applicable to the sample specified above and may not be applied to any similar or identical products. Reports are prohibited from being reproduced with alterations of any kind.

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Heavy Metal Analysis (USP <233>)

Analyte	Result (mcg/vial)	LOQ (ppm)	LOD (ppm)	Limit (mcg/day)	Pass/Fail
Arsenic	**0.005**	0.010	0.005	0.5	Pass
Cadmium	**<LOQ**	0.010	0.005	0.1	Pass
Lead	**0.024**	0.010	0.005	0.5	Pass
Mercury	**<LOQ**	0.010	0.005	0.1	Pass

Microbiological Analysis (USP <61>, USP <62>)

Microbe	Result	Limit	Pass/Fail
Total Aerobic Plate	**<10 CFU/g**	<100 CFU/g	Pass
Coliform	**<10 CFU/g**	<10 CFU/g	Pass
Bile-Tolerant Gram-Negative Bacteria	**<10 CFU/g**	<10 CFU/g	Pass
Yeast and Mold	**<10 CFU/g**	<10 CFU/g	Pass
Escherichia Coli	**Negative/1g**	Negative/1g	Pass
Salmonella	**Negative/1g**	Negative/1g	Pass
Staphylococcus Aureus	**Negative/1g**	Negative/1g	Pass

NOTES:

CFU = Colony Forming Unit
NS = Not Specified
NT = Not Tested

LOQ = Limit of Quantification
LOD = Limit of Detection

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