FREEDOM DIAGNOSTICS

Certificate of Analysis

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net

Client:	Forge Amino LLC
Accession #:	2604280138
Search Code:	Forg2604280138
Received:	04/28/2026
Reported:	04/29/2026
Lot:	FA-MOT032601

Sample Summary

Product:	MOTS-C 10mg	**Endotoxin Threshold:**	
Appearance:	White Lyophilized Powder	Pass	

Analytical Results

Test	Result	
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

Notes/Comments

N/A

Alex Johnson

Principal Chemist

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net

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The endotoxin analysis reported here was performed using the Limulus Amebocyte Lysate (LAL) assay in accordance with USP <85> under validated laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The materials tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or linical 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.

Title:

Certificate of Analysis (CoA)

Date: 4/22/2026
Date Tested: 4/21/2026
Customer: Forge Amino
Testing material: Mots-C
Lot Number: FA-MOT032601
BT Sample ID: 005000039725299
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: small clear vial: white sample, white label, silver crimp, orange plastic cap.
Labeled as: Mots-C
Manufacturer: Forge Amino
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.

Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	57.2 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of Mots-C with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: ≥ 98 %	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	15.3 mg (153.1 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	15.3 : 41.9 mg (1:2.7)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Andrea Castro, AS
Scientist-II
BTLabs

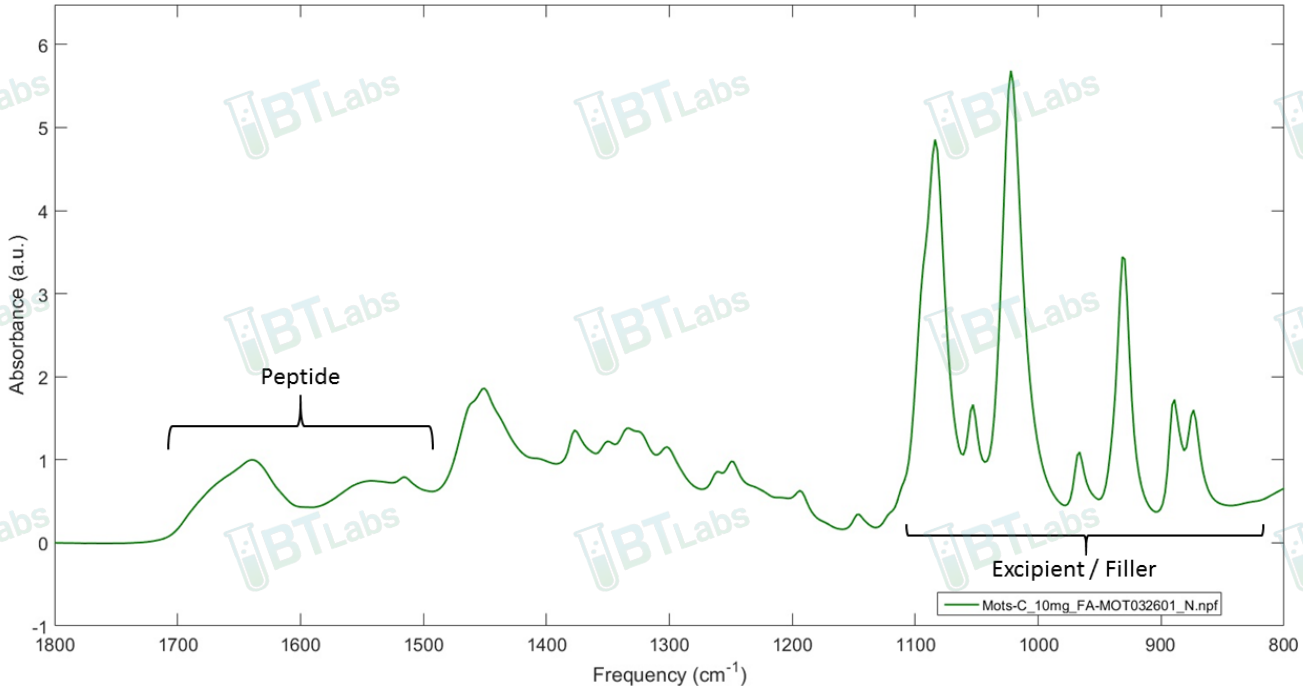
Verna Zheng, AS
Scientist-II
BTLabs

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407
Phone: (561) 625-0133
E-mail: info@btlabtesting.com | Website: https://btlabtesting.com

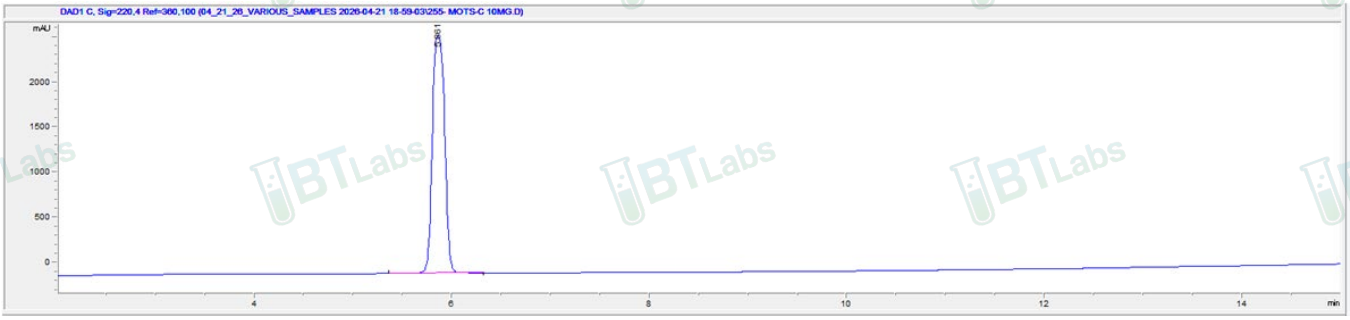
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Mots-C Lot FA-MOT032601



HPLC Purity and Potency Assay @ 220 nm: Mots-C Lot FA-MOT032601



Mots-C Lot FA-MOT032601 @ 220 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.861	4758.6

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