



Title:

Certificate of Analysis (CoA)

Date: 2/7/2026
Date Tested: 2/6/2026
Customer: Forge Amino
Testing material: Mots-C
Lot Number: FA-MOT012601
BT Sample ID: 005000038768418
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: small clear vial: white sample, white label, silver crimp, yellow 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	77.2 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 such as mannitol.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.9 %
HPLC Potency Assay	USP <621>	Specifications: 95 – 105% of 10 mg	11 mg (110.1 %)

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



Andrea Castro, AS
Scientist-I
BTLabs



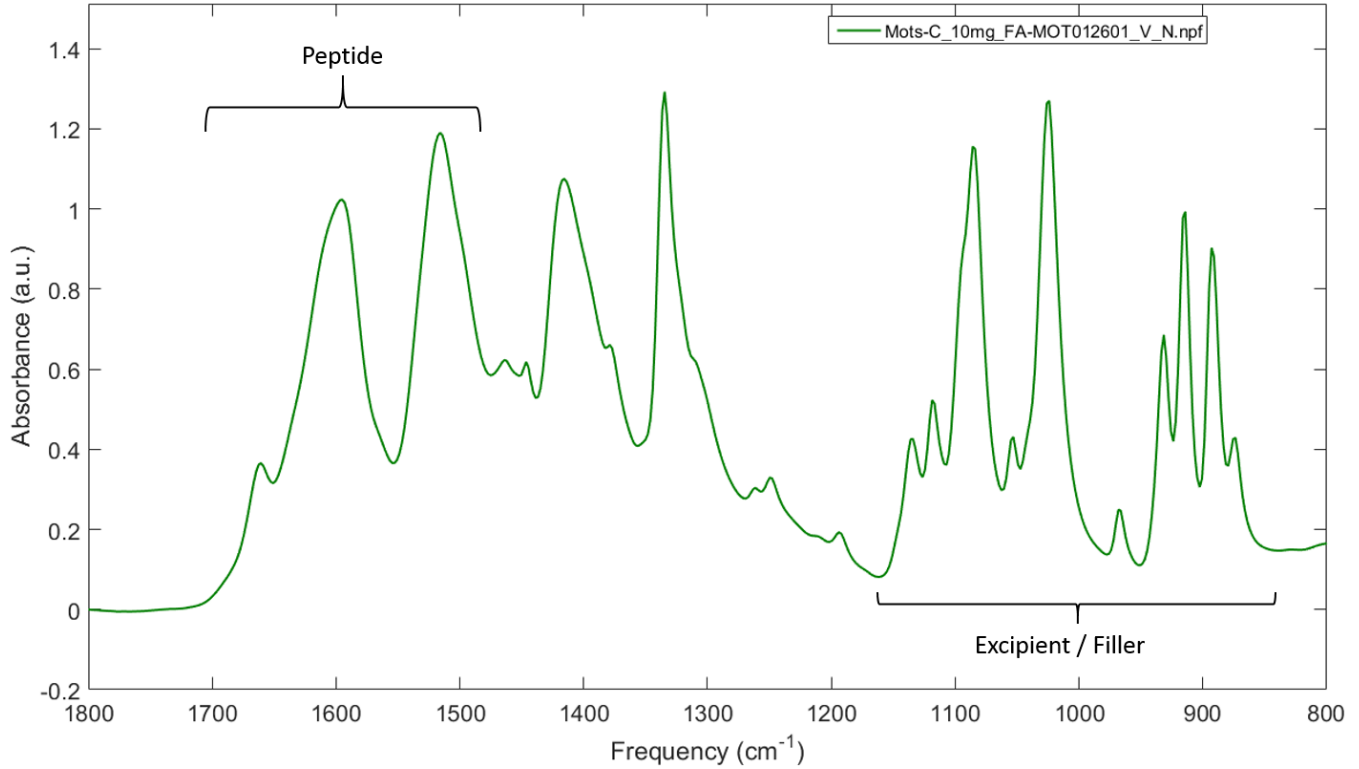
Verna Zheng, AS
Scientist-I
BTLabs



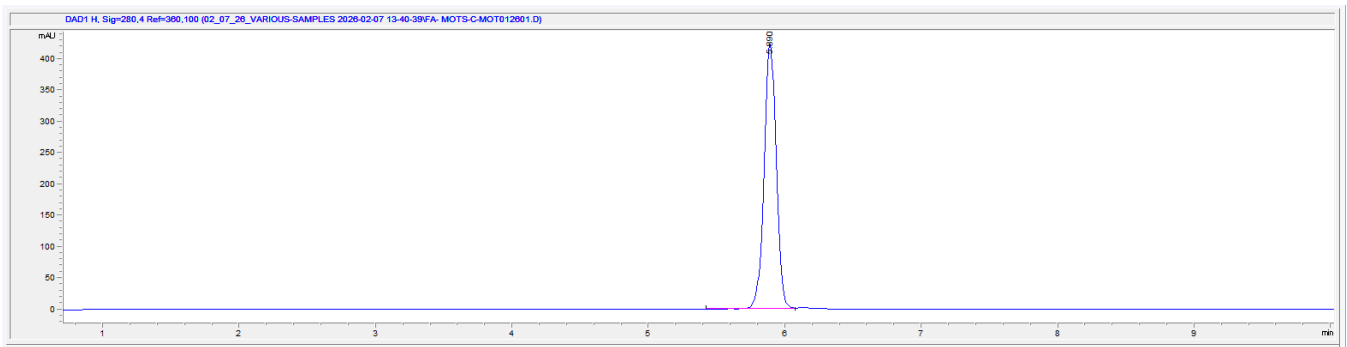
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FTIR ID and Composition Analysis: Mots-C Lot FA-MOT012601



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot FA-MOT012601



Mots-C Lot FA-MOT012601 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	5.89	2638.5



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Title:

Certificate of Analysis (CoA)

Bacterial Endotoxins Test (ABI- TEST 0012)

Date: 2/8/2026
Date Tested: 2/6/2026
Customer: Forge Amino
Testing material: Mots-C
Lot Number: FA-MOT012601
BT Sample ID: 005000038768418
Labeled Peptide
Content/Potency: 77.2 mg
Storage: R.T.
Packing material: small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Mots-C
Manufacturer: Forge Amino
Testing Purpose: (ABI-TEST 0012) test quantifies bacterial endotoxin levels to confirm that the product does not elicit pyrogenic reactions, maintaining patient safety and product integrity.

Test	Method	Specification	Result
Bacterial Endotoxins Test	USP <85>	40 EU/vial reconstituted	PASS

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

Bacterial Endotoxins Test Mots-C Lot FA-MOT012601

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ , EU/mL)	Result
005000038768418	Mots-C	3	40 EU/vial	0.25	16.2 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.

Andrea Castro. AS
Scientist-I
BTLabs

Verna Zheng. AS
Scientist-I
BTLabs

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



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Title:

Certificate of Analysis (CoA)

Sterility Test (ABI- TEST 0011)

Date: 2/13/2026
Date Tested: 2/06/2026
Customer: Forge Amino
Testing material: Mots-C
Lot Number: FA-MOT012601
BT Sample ID: 005000038768418
Labeled Peptide
Content/Potency: 77.2 mg
Storage: R.T.
Packing material: small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Mots-C
Manufacturer: Forge Amino
Testing Purpose: ABI-TEST 001, determines the absence of viable contaminating microorganisms in sterile pharmaceutical products, ensuring compliance with sterility requirements.

Test	Method	Specification	Result
Testing Standard	USP <71>	Sterility test - Aerobes, Fungi and Anaerobes	PASS
Media Suitability/Growth Promotion Test	USP <71>	Employed 6 standard microorganisms	PASS
Negative Control	USP <71>	TSB and FTM prepared in-house using standard protocols	PASS
Interference / Sample Validation	USP <71>	No inhibition/enhancement of Sample	PASS

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

Andrea Castro. AS
Scientist-I
BTLabs

Verna Zheng. AS
Scientist-I
BTLabs

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407
Phone: (561) 625-0133

E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>



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Title:

Certificate of Analysis (CoA)

Sterility Test (ABI- TEST 0011)

Sterility Test Results Mots-C Lot FA-MOT012601

Sample	Incubation days	TSB Incubation	FTM Incubation	Remarks
PBP 006 tp PBP 0010	1-7	No growth	No growth	Pass
Media only	1-7	No growth	No growth	Media sterility confirmed
Media + aerobes	1-7	Growth	N/A	Media growth promotion confirmed
Media + anaerobes	1-7	N/A	Growth	Media growth promotion confirmed

Conclusion: Mots-C (FA-MOT012601) sample received and tested sterile under the test conditions used.

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407

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E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>