

	Report #:
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Title:	
Certificate of Analysis (CoA)	

Date: 7/10/2026
Date Tested: 7/7/2026
Customer:
Testing material: Mots-C
Lot Number:
BT Sample ID:
Labeled Peptide
Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Mots-C
Manufacturer:
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	67.4 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: $\geq 98\%$	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	22.3 mg (111.3 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	22.3 : 45.1 mg (1:2)

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


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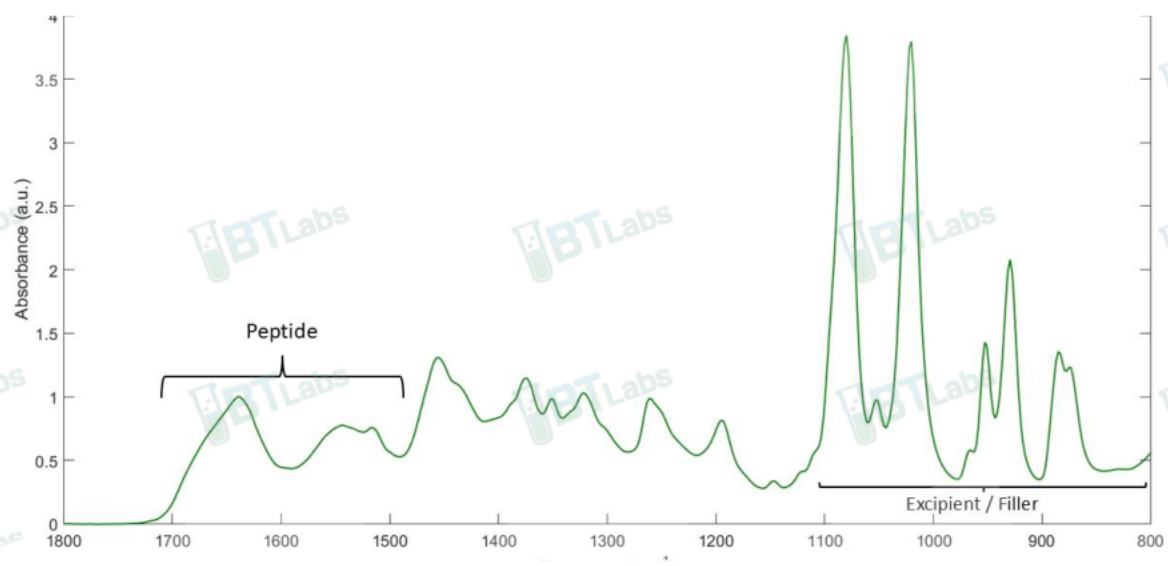
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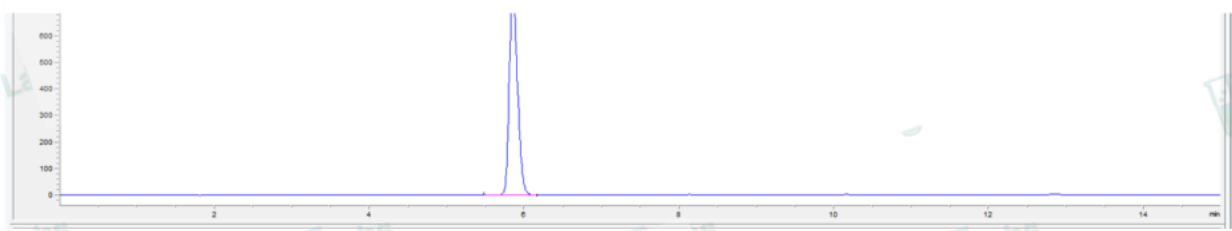
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Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Mots-C Lot



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



Mots-C Lot @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.853	5765.6

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	Report #:
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Title: Certificate of Analysis (CoA) Bacterial Endotoxins Test (ABI- TEST 0012)	

Date: 7/10/2026
Date Tested: 7/7/2026
Customer:
Testing material: Mots-C
Lot Number:
BT Sample ID:
Labeled Peptide
Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Mots-C
Manufacturer:
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

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ, EU/mL)	Result
	Mots-C	3	40 EU/vial	0.25	29.7 EU/vial

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



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