



Report #:

IF-824-QSA-TR006-BTL26253-10

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Title:

Certificate of Analysis (CoA)

Date: 4/20/2026
Date Tested: 4/18/2026
Customer: Ascenova Bio
Testing material: Mots-C
Lot Number: MOTS10-990056
BT Sample ID: 005000039708733
Labeled Peptide
Content/Potency: 10 mg
Storage: R.T.
Visual Description: small clear vial: white sample, white label, silver crimp, pink plastic cap.
Labeled as: Mots-C
Manufacturer: N/A
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	53.3 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: $\geq 98\%$	99.6 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	13.6 mg (136 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	13.6 : 39.7 mg (1:2.9)

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

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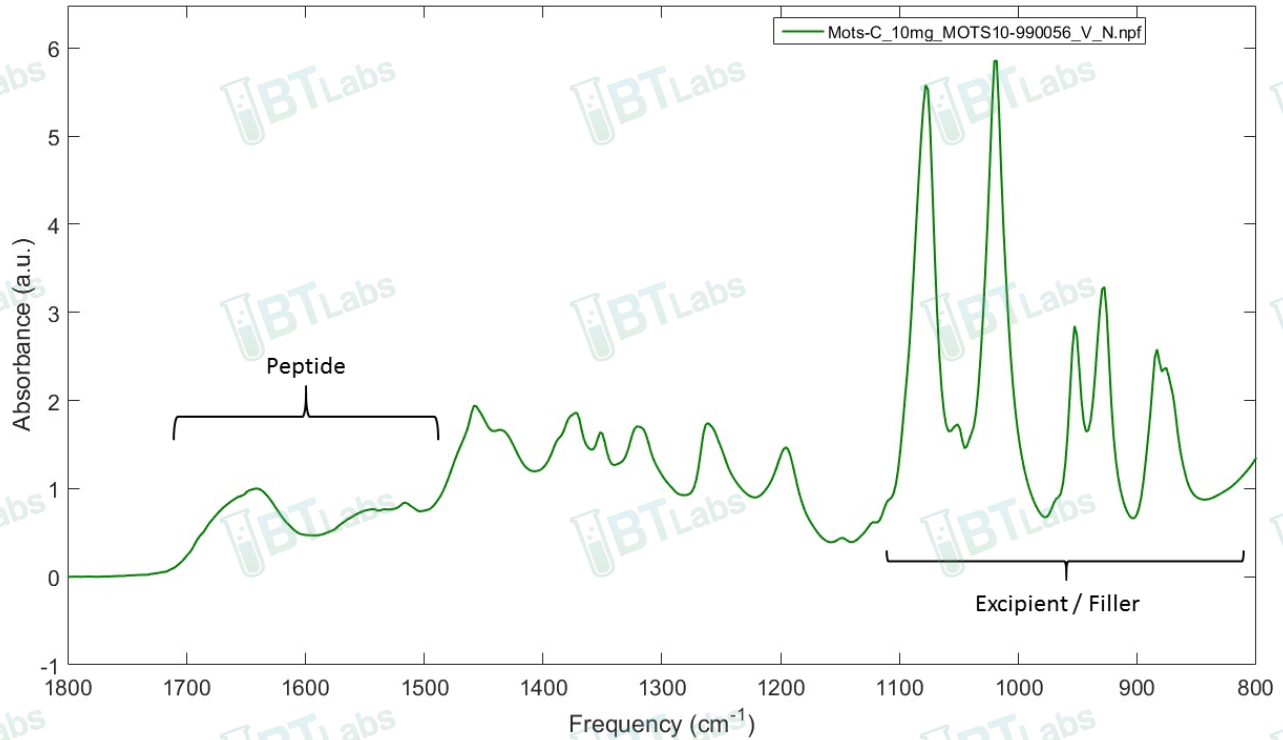
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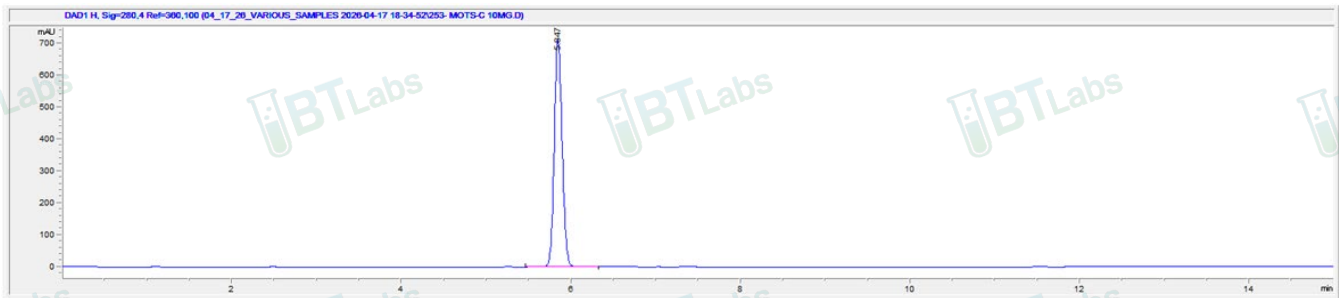
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FTIR ID and Composition Analysis: Mots-C Lot MOTS10-990056



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot MOTS10-990056



Mots-C Lot MOTS10-990056 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	5.847	4548.9