Title:

Certificate of Analysis (CoA)

Date: 5/27/2026
Date Tested: 5/25/2026
Customer: Royal Peptide Labs
Testing material: MOTS-c
Lot Number: unspecified
BT Sample ID: 005000040146884
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, light purple 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	90.8 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	10.1 mg (100.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	10.1 : 80.7 mg (1:8)

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

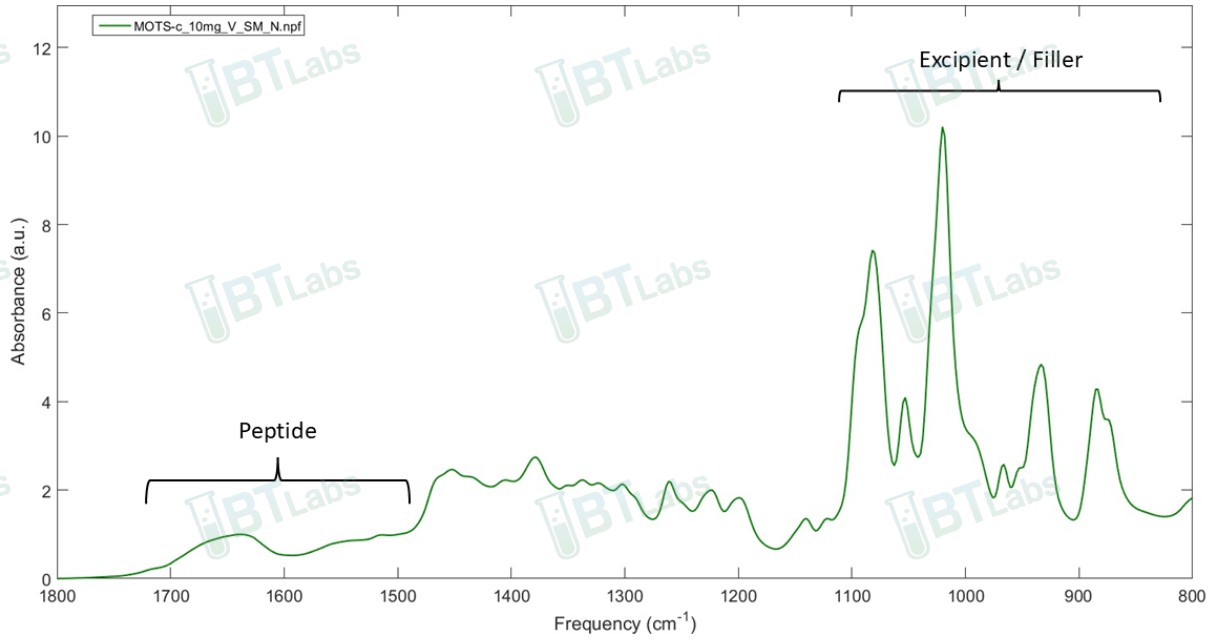
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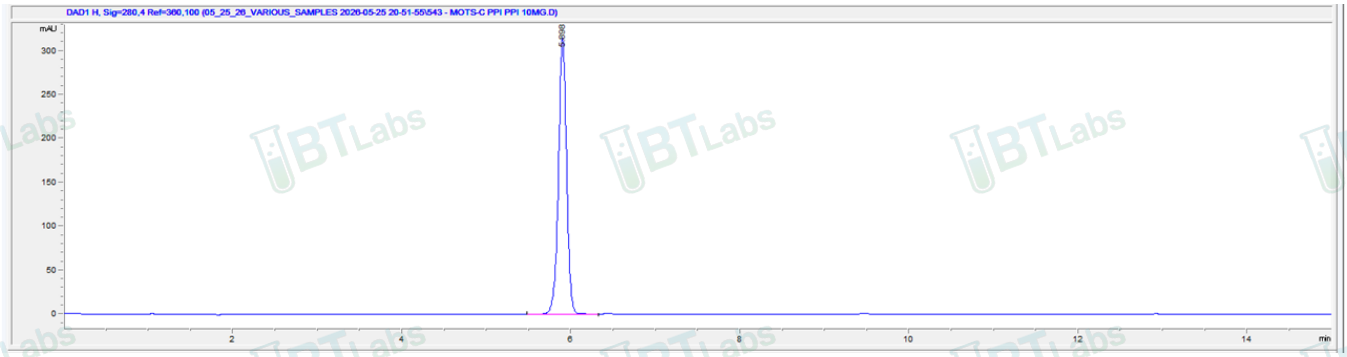
Title:

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FTIR ID and Composition Analysis: MOTS-c Lot unspecified



HPLC Purity and Potency Assay @ 280 nm: MOTS-c Lot unspecified



MOTS-c Lot unspecified @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.898	2137.4

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