Title:

Certificate of Analysis (CoA)



Date: 3/6/2026
Date Tested: 3/2/2026
Customer: Pure Lab Peptides
Testing material: MOTS-C
Lot Number: 52610
BT Sample ID: 005000039049055
Labeled Peptide Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small Clear vial: white sample, white label, black crimp, clear blue 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	83.1 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 %	99.9 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	22.5 mg (112.4 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	22.5 : 60.6 mg (1:2.7)

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

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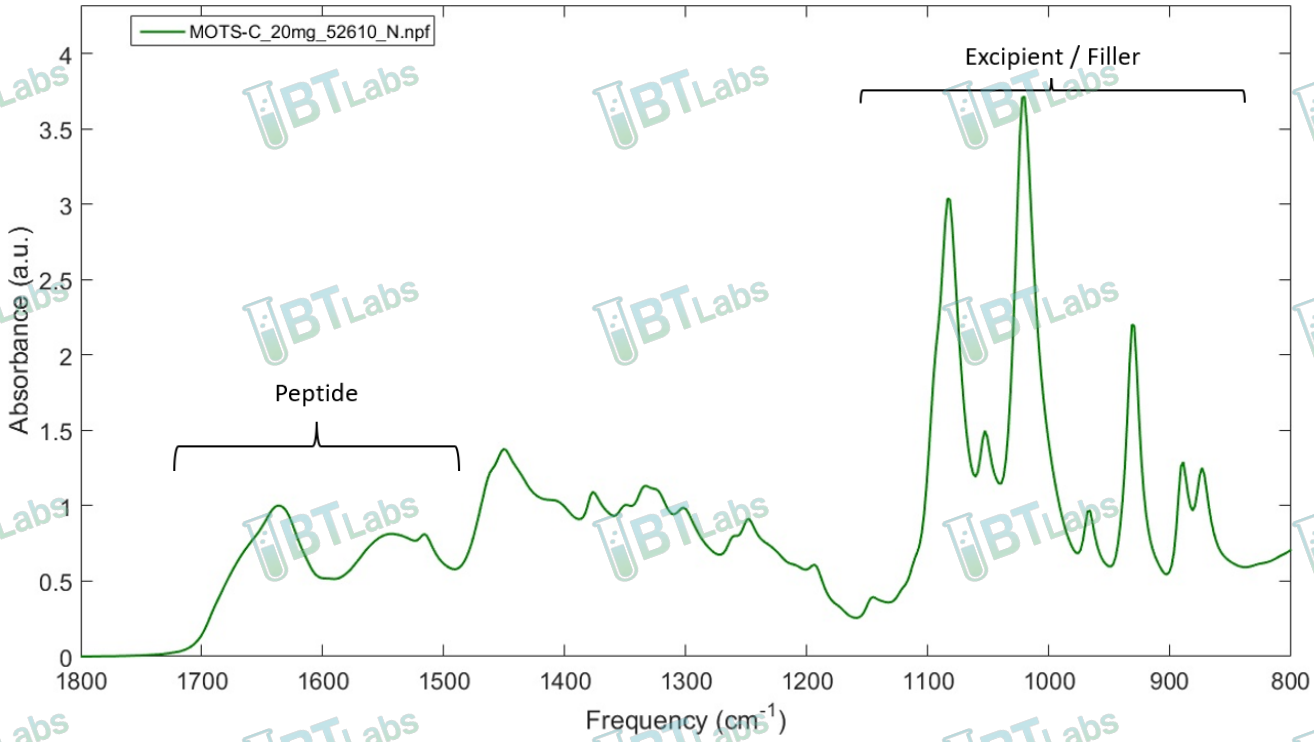
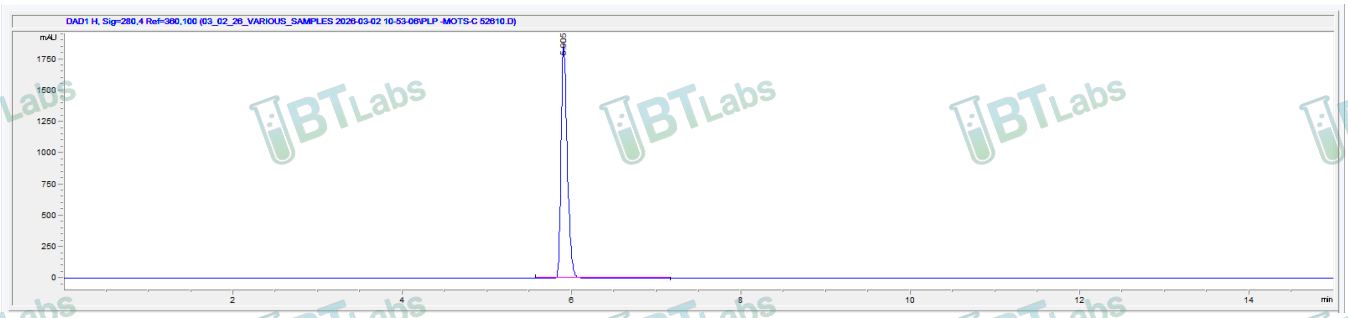
FTIR ID and Composition Analysis: MOTS-C Lot 52610



HPLC Purity and Potency Assay @ 280 nm: MOTS-C Lot 52610



MOTS-C Lot 52610 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.905	9490.6

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