



Report #:

COA261500-003

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Title:

Certificate of Analysis (CoA)



Date: 9/21/2026
Date Tested: 9/19/2026
Customer: Vertex Labs
Testing material: MOTS-c
Lot Number: MC0000029
Sample ID: BTL260909-017-003
Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, black plastic cap.
Labeled as: MOTS-c
Manufacturer: Vertex Labs
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	86.4 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 (111.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	22.3 : 64.1 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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IF - 824 - QSA - TR006

Rev 1.1 August 2026



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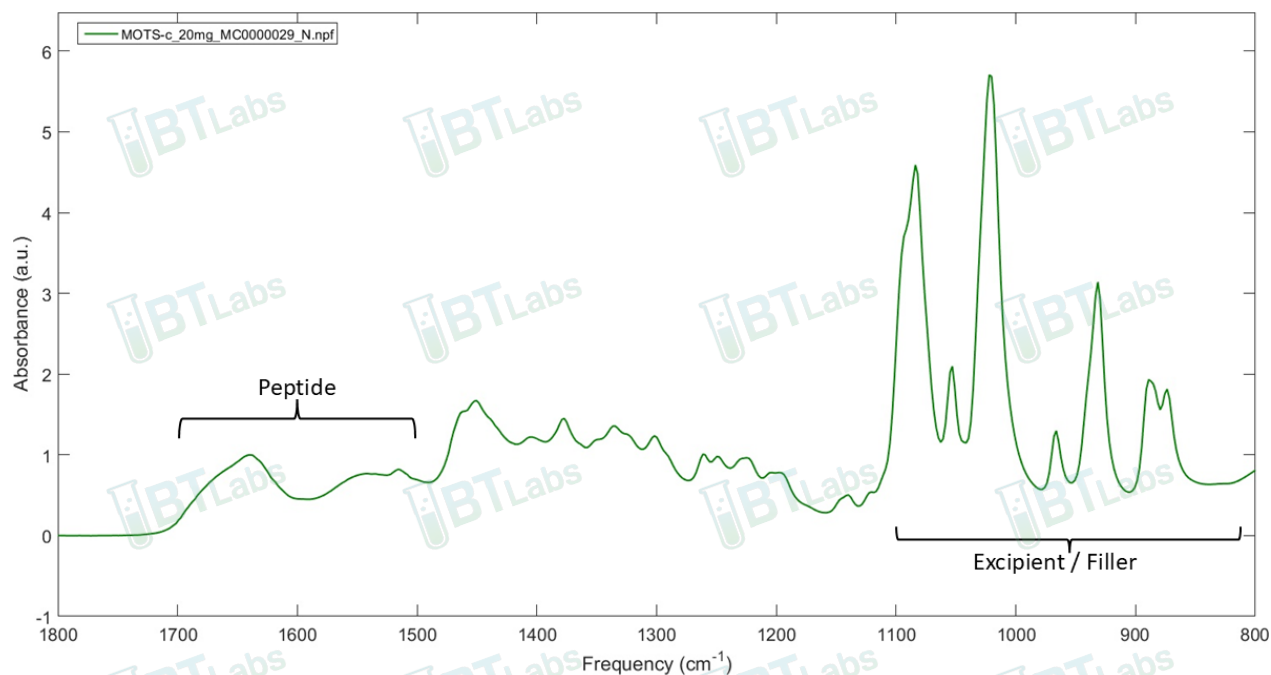
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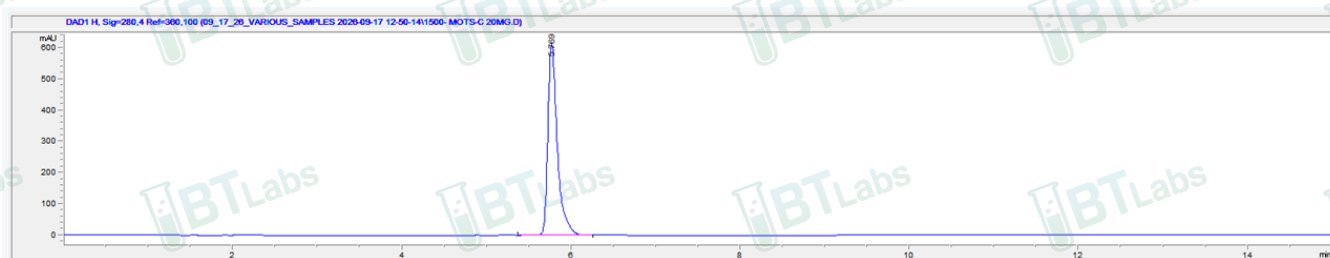
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FTIR ID and Composition Analysis: MOTS-c Lot MC0000029



HPLC Purity and Potency Assay @ 280 nm: MOTS-c Lot MC0000029



MOTS-c Lot MC0000029 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	5.769	4772.2

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