Title:

Certificate of Analysis (CoA)



Date: 9/19/2026
Date Tested: 9/18/2026
Customer: NeuroLabs Research
Testing material: MOTS-c
Lot Number: MOTC-001
Sample ID: BTL260901-021-006
Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, black label, silver crimp, dark 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	78.7 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 10 mg	8.8 mg (87.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	8.8 : 69.9 mg (1:8)

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

Andrea Castro, BS
Scientist-II
BTLabs

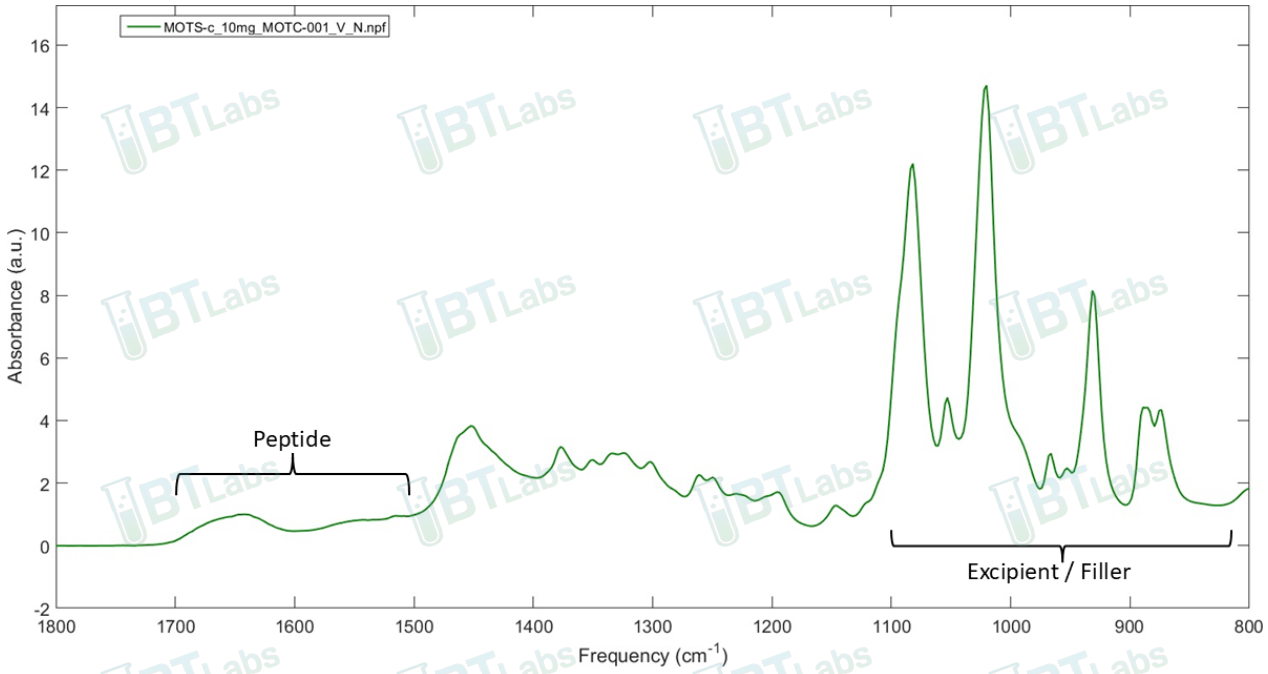
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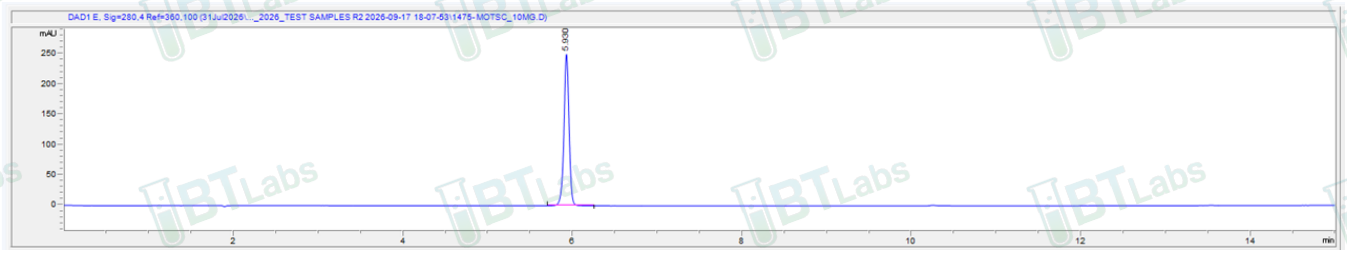
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FTIR ID and Composition Analysis: MOTS-c Lot MOTC-001



HPLC Purity and Potency Assay @ 280 nm: MOTS-c Lot MOTC-001



MOTS-c Lot MOTC-001 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.93	1062.9