[redacted]

Title:

Certificate of Analysis (CoA)

Date: 10/5/2026
Date Tested: 10/1/2026
Customer: AU[redacted]
Testing material: Mots-C
Lot Number: TB096
Sample ID: BTL[redacted]
Content/Potency: 40 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, clear pink plastic cap.
Labeled as: Mots-C
Manufacturer: [redacted]
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	155.8 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 40 mg	40.8 mg (102.1 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	40.8 : 114.9 mg (1:2.8)

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

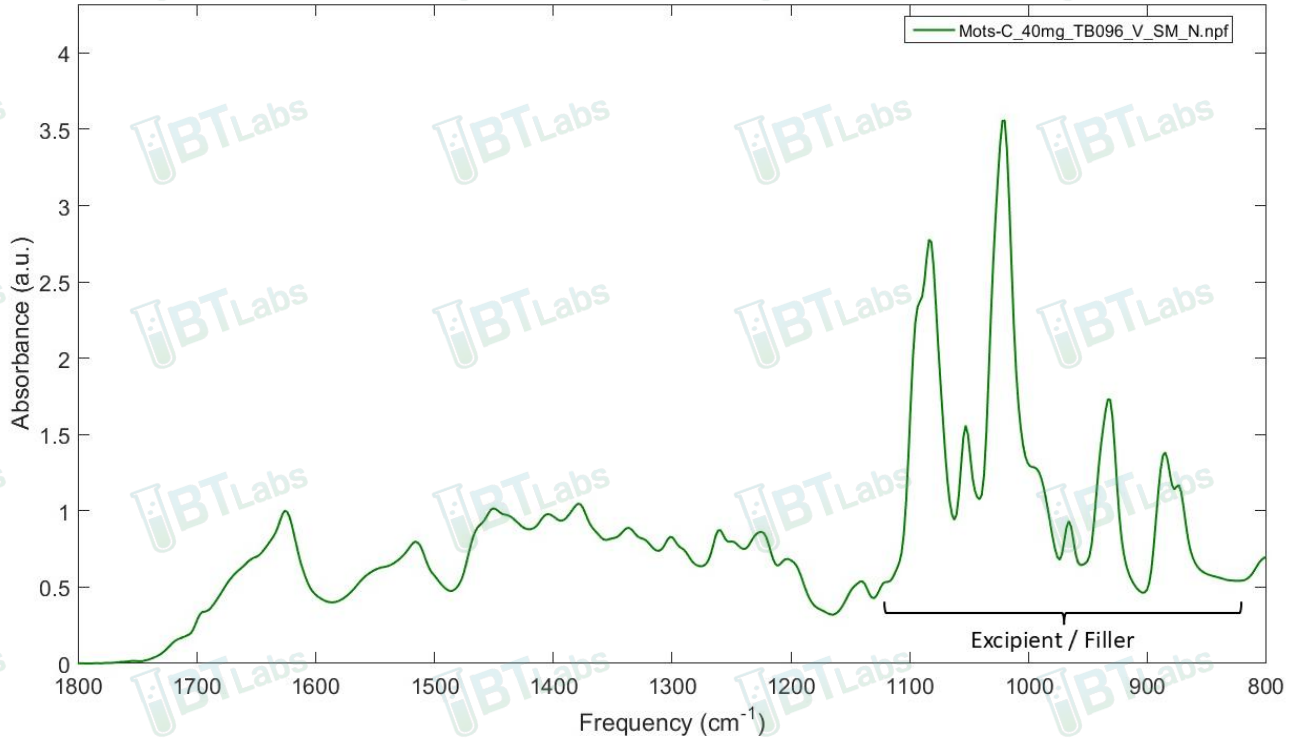
Escarlet Cabrieles, BS
Scientist-II
BTLabs

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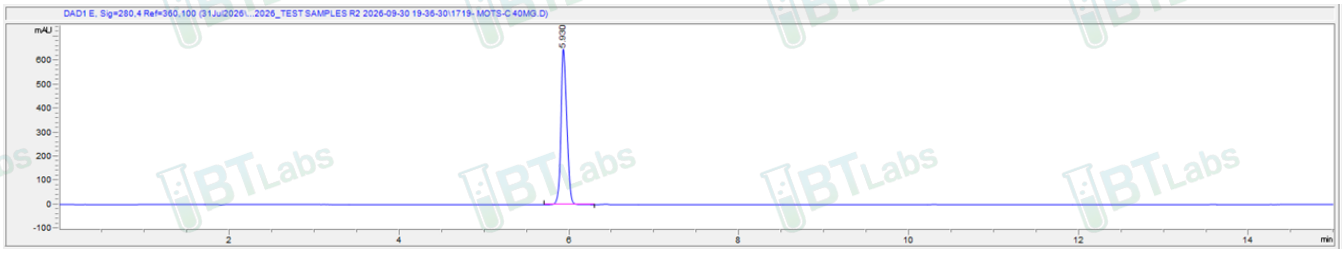
Certificate of Analysis (CoA)

[redacted]

FTIR ID and Composition Analysis: Mots-C Lot TB096



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot TB096



Mots-C Lot TB096 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.93	3093.6

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