

Title:

Certificate of Analysis (CoA)



Date: 10/12/2026
Date Tested: 10/7/2026
Customer: Emerald Tides
Testing material: Mots-C
Lot Number: MS49-SBT0001
Sample ID: BTL261746-023
Content/Potency: 40 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, white plastic cap.
Labeled as: Mots-C
Manufacturer: SBT 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	84.3 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: $\geq 98\%$	99.9 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 40 mg	36 mg (90 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	36 : 48.3 mg (1:1.3)

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

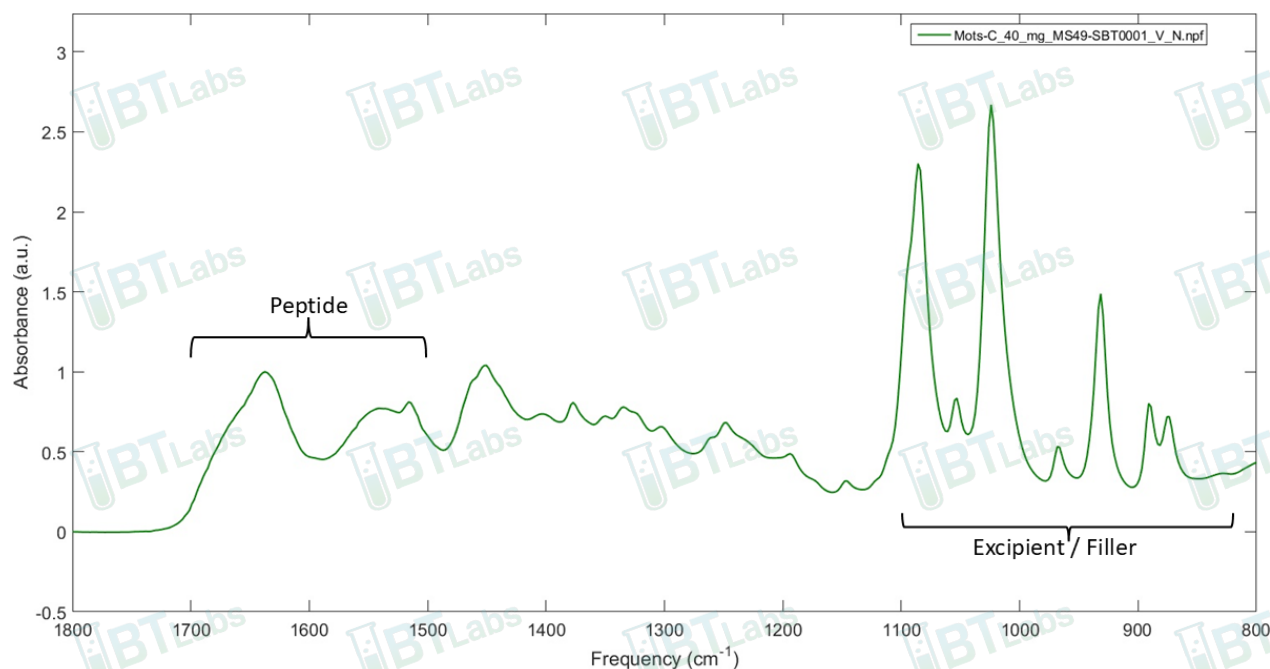
Escarlet Cabrieles, BS
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BTLabs

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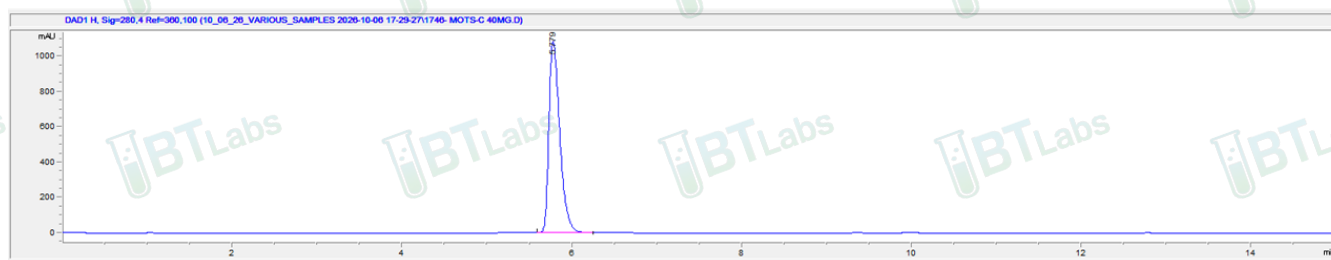
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FTIR ID and Composition Analysis: Mots-C Lot MS49-SBT0001



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot MS49-SBT0001



Mots-C Lot MS49-SBT0001 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	5.779	9681.6