Title:

Certificate of Analysis (CoA)

Date: 5/11/2026
Date Tested: 5/7/2026
Customer: TM Research
Testing material: Mots-C
Lot Number: Mc10-20260429
BT Sample ID: 005000039929512
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, grey 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	65.7 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 %	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	10.1 mg (101.2 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	10.1 : 55.6 mg (1:5.5)

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

Andrea Castro, AS
Scientist-II
BTLabs

Verna Zheng, AS
Scientist-II
BTLabs

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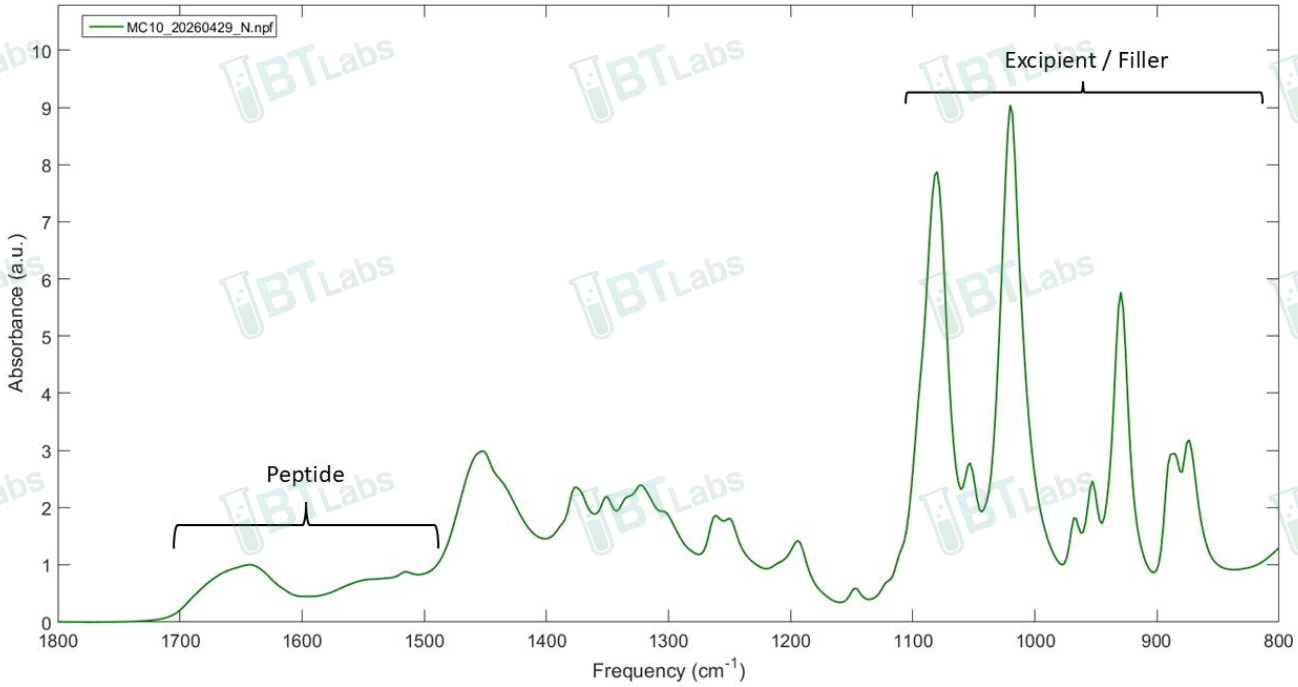
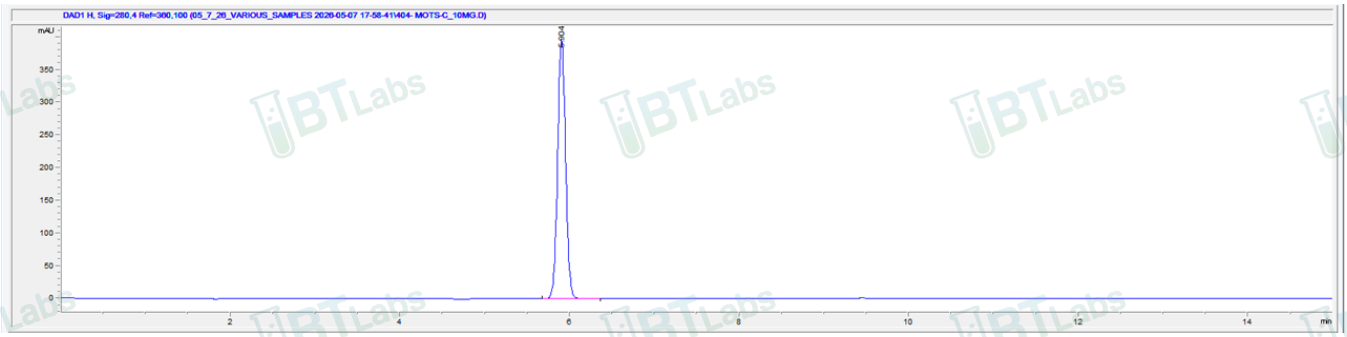
FTIR ID and Composition Analysis: Mots-C Lot Mc10-20260429



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot Mc10-20260429



Mots-C Lot Mc10-20260429 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.904	2885.1

5601 Corporate Way | Suite 206 | West Palm Beach, FL 33407
Phone: (561) 941-4835
E-mail: info@btlabtesting.com | Website: https://btlabtesting.com