Title:

Certificate of Analysis (CoA)

Date: 4/20/2026
Date Tested: 4/18/2026
Customer: Peptide Basement
Testing material: Mots-C
Lot Number: MS412
BT Sample ID: 005000039727420
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, pink plastic cap.
Labeled as: Mots-C
Manufacturer: BP
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	55 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 %	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	11.9 mg (118.7 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	11.9 : 43.1 mg (1:3.6)

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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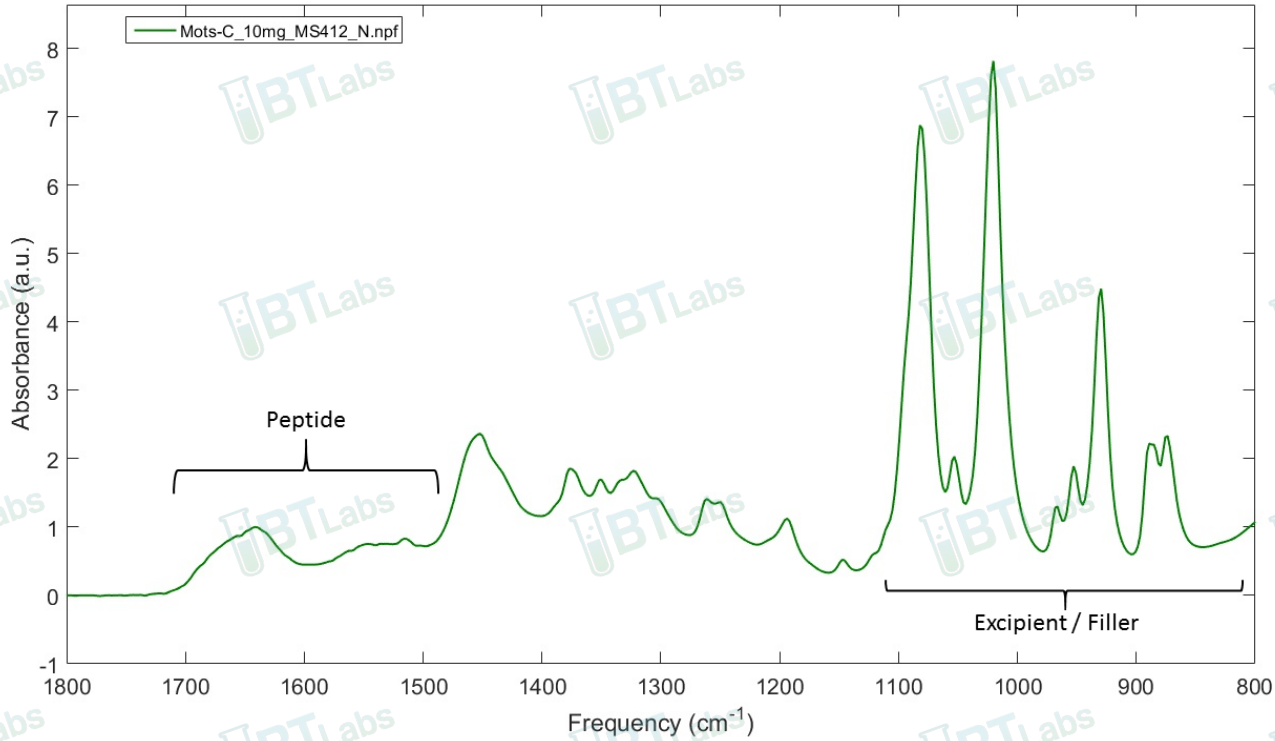
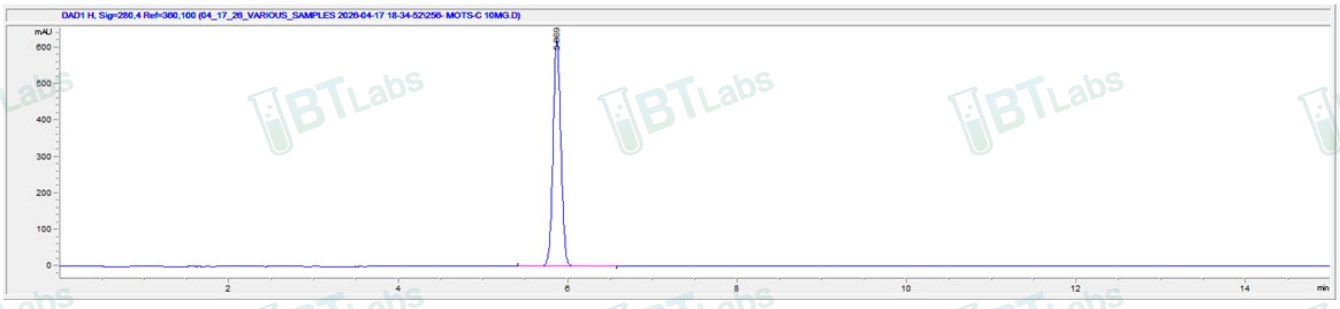
Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Mots-C Lot MS412



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot MS412



Mots-C Lot MS412 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.869	3972.9

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407
Phone: (561) 625-0133
E-mail: info@btlabtesting.com | Website: https://btlabtesting.com