



Report #:

COA261124-001

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Title:

Certificate of Analysis (CoA)



Date: 8/22/2026
Date Tested: 8/21/2002
Customer: PatriotBio
Testing material: Mots-C
Lot Number: 84607
Sample ID: BTL260803-016-001
Content/Potency: 40 mg
Storage: R.T.
Visual Description: Large clear vial: white sample, blue label, silver crimp, dark blue plastic cap.
Labeled as: Mots-C
Manufacturer: PatriotBio
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	137.3 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	32.6 mg (81.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	32.6 : 104.7 mg (1:3.2)

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

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IF-824-QSA-TR006

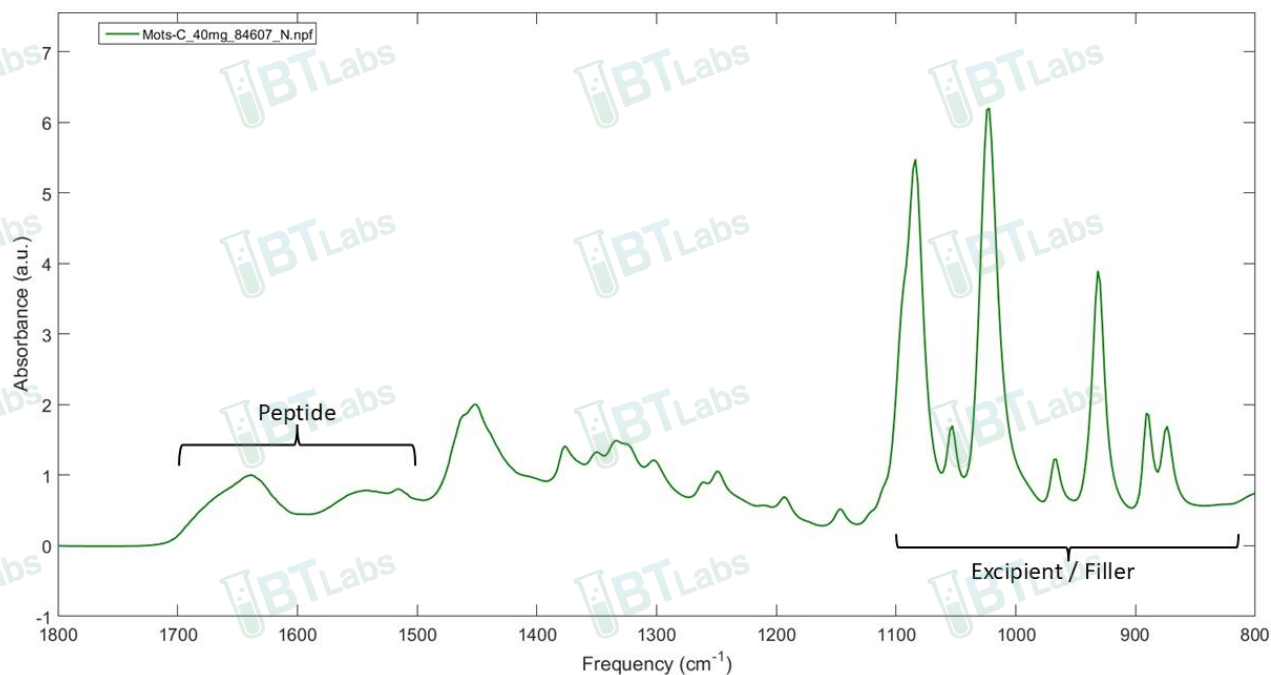
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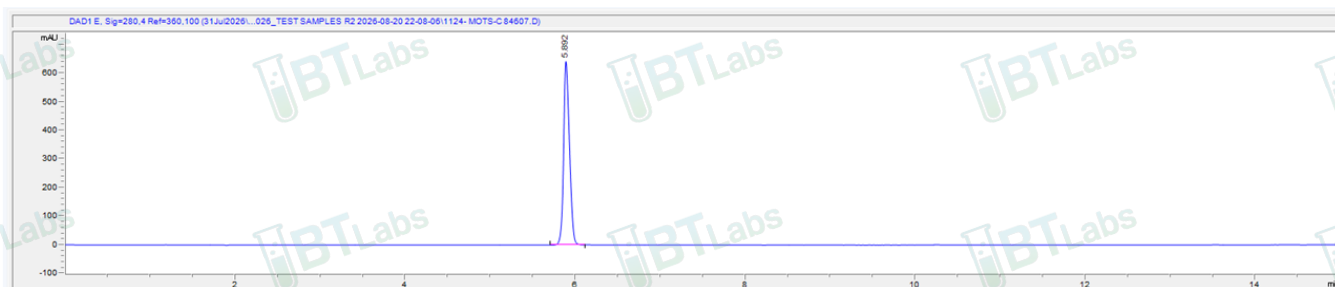
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FTIR ID and Composition Analysis: Mots-C Lot 84607



HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot 84607



Mots-C Lot 84607 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.892	3062.9