



Report #:

COA261043-011

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Title:

## Certificate of Analysis (CoA)



**Date:** 8/10/2026  
**Date Tested:** 8/7/2026  
**Customer:** PepNova Labs  
**Testing material:** Mots-C  
**Lot Number:** MS40-LP-71826  
**Content/Potency:** 40 mg  
**Storage:** R.T.  
**Visual Description:** Small clear vial: white sample, white label, silver crimp, white plastic cap.  
**Labeled as:** Mots-C  
**Manufacturer:** PepNova 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<br><630>  | white powder                                                                   | white powder                                                                                |
| Mass                                         | USP<br><41>   | As recorded                                                                    | 88.3 mg                                                                                     |
| FTIR Identification and Composition Analysis | USP<br><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<br><621>  | Specifications: $\geq 98\%$                                                    | 99.8 %                                                                                      |
| HPLC Potency Assay                           | USP<br><621>  | Specifications: 90 – 110% of 40 mg                                             | 47.5 mg (118.6 %)                                                                           |
| Peptide-to-Excipients Ratio                  | USP<br><1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients)                | 47.5 : 40.8 mg (1:0.9)                                                                      |

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 - TR 006

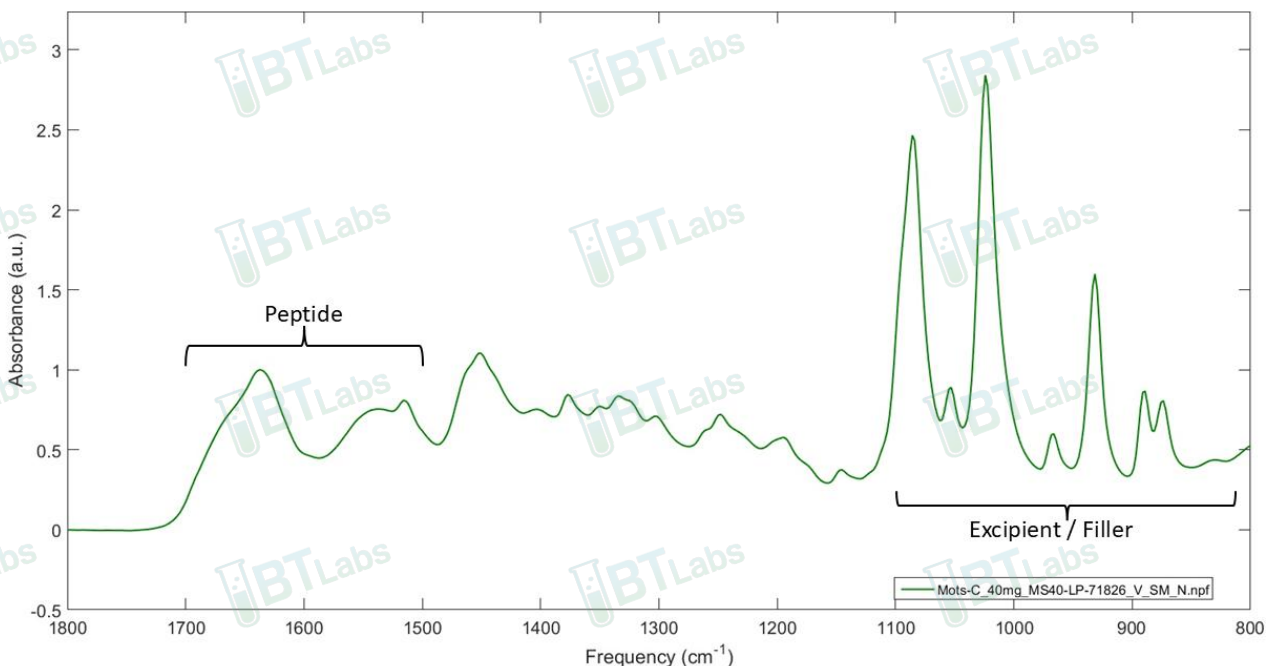
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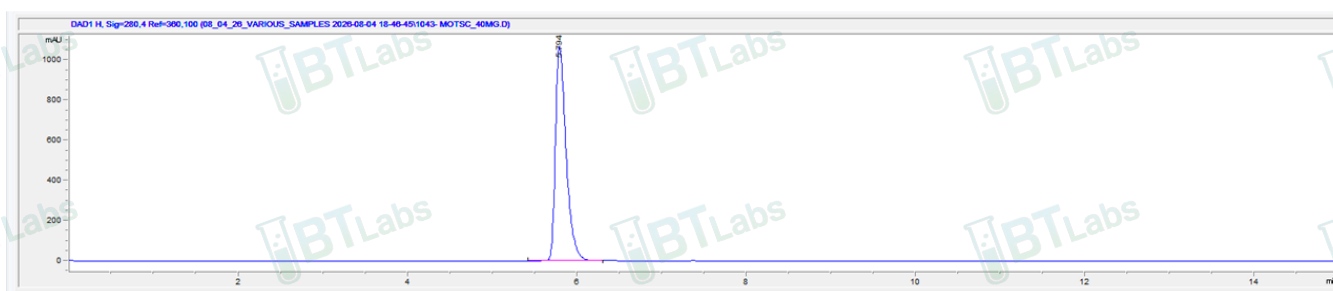
# Certificate of Analysis (CoA)



## FTIR ID and Composition Analysis: Mots-C Lot MS40-LP-71826



## HPLC Purity and Potency Assay @ 280 nm: Mots-C Lot MS40-LP-71826



### Mots-C Lot MS40-LP-71826 @ 280 nm

| Peak #: | Retention Time (min) | Area (mAU*s) |
|---------|----------------------|--------------|
| 1       | 5.794                | 9425         |