



Report #:

IF-824-QSA-TR006-BTL26632-01

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Title:

## Certificate of Analysis (CoA)

**Date:** 6/5/2026  
**Date Tested:** 6/1/2026  
**Customer:** inspirepeptide.com  
**Testing material:** Mots-C  
**Lot Number:** GN2605  
**BT Sample ID:** 005000040271675  
**Labeled Peptide**  
**Content/Potency:** 10 mg  
**Storage:** R.T.  
**Visual Description:** Small clear vial: white sample, white label, silver crimp, red plastic cap.  
**Labeled as:** MS  
**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<br><630>  | white powder                                                                   | white powder                                                                                |
| Mass                                         | USP<br><41>   | As recorded                                                                    | 97.4 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: $\geq 98\%$                                                    | 99.6 %                                                                                      |
| HPLC Potency Assay                           | USP<br><621>  | Specifications: 90 – 110% of 10 mg                                             | 10.3 mg (103 %)                                                                             |
| Peptide-to-Excipients Ratio                  | USP<br><1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients)                | 10.3 : 87.1 mg (1:8.5)                                                                      |

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

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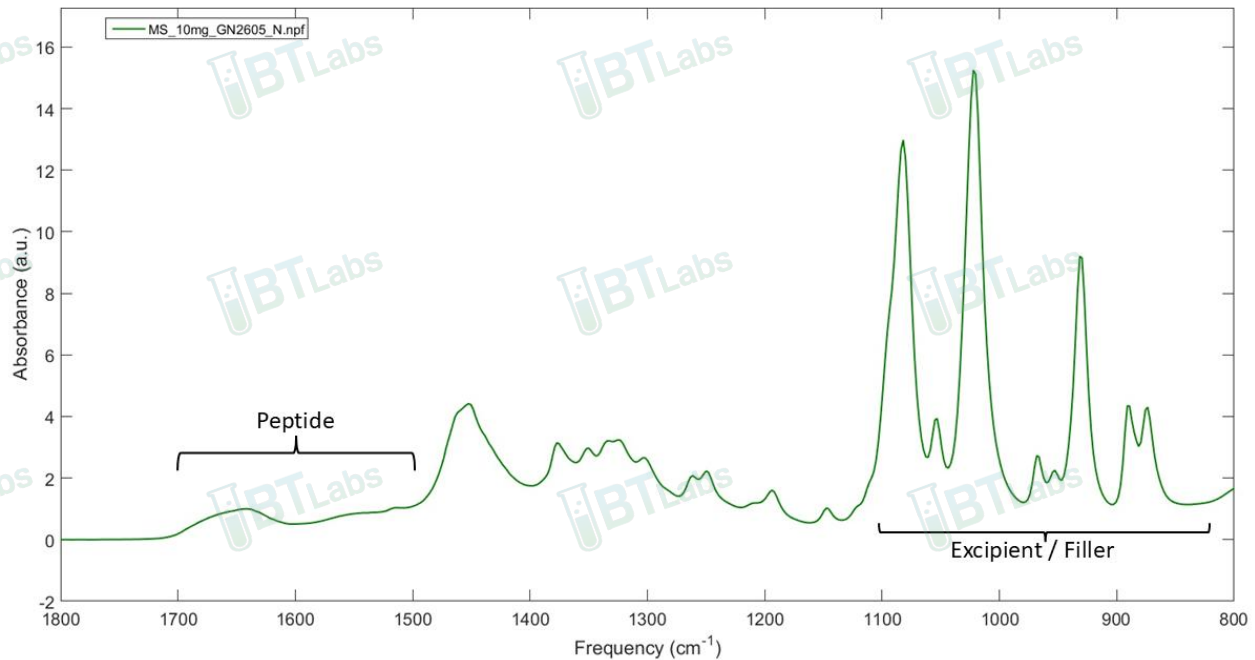
E-mail: [info@btlabtesting.com](mailto:info@btlabtesting.com) | Website: <https://btlabtesting.com>

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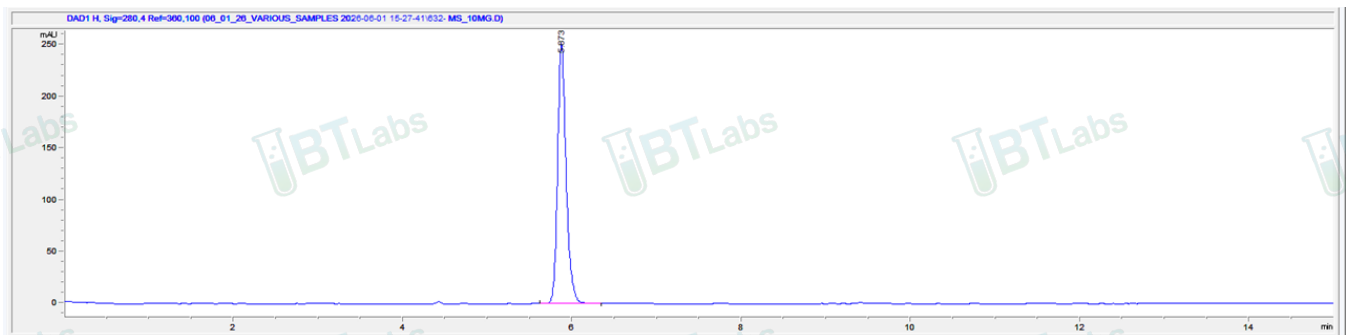
# Certificate of Analysis (CoA)



## FTIR ID and Composition Analysis: MS Lot GN2605



## HPLC Purity and Potency Assay @ 280 nm: MS Lot GN2605



### Mots-C Lot GN2605 @ 280 nm

| Peak #: | Retention Time (min) | Area (mAU*s) |
|---------|----------------------|--------------|
| 1       | 5.873                | 1757.3       |