Title:

# Certificate of Analysis (CoA)

**Date:** 5/15/2026
**Date Tested:** 5/14/2026
**Customer:** Vertex Labs
**Testing material:** Tesamorelin
**Lot Number:** TS0000043
**BT Sample ID:** 005000040041667
**Labeled Peptide Content/Potency:** 10 mg
**Storage:** R.T.
**Visual Description:** Small clear vial: white sample, white label, silver crimp, black plastic cap.
**Labeled as:** Tesamorelin
**Manufacturer:** Vertex 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 <630> | white powder | white powder |
| **Mass** | USP <41> | As recorded | 54.9 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 Tesamorelin with addition of excipient(s)/fillers. |
| **HPLC Purity of Peptide Assay** | USP <621> | Specifications: ≥ 98 % | 99.4 % |
| **HPLC Potency Assay** | USP <621> | Specifications: 90 – 110% of 10 mg | 12.2 mg (121.7 %) |
| **Peptide-to-Excipients Ratio** | USP <1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients) | 12.2 : 42.7 mg (1:3.5) |

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

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BTLabs

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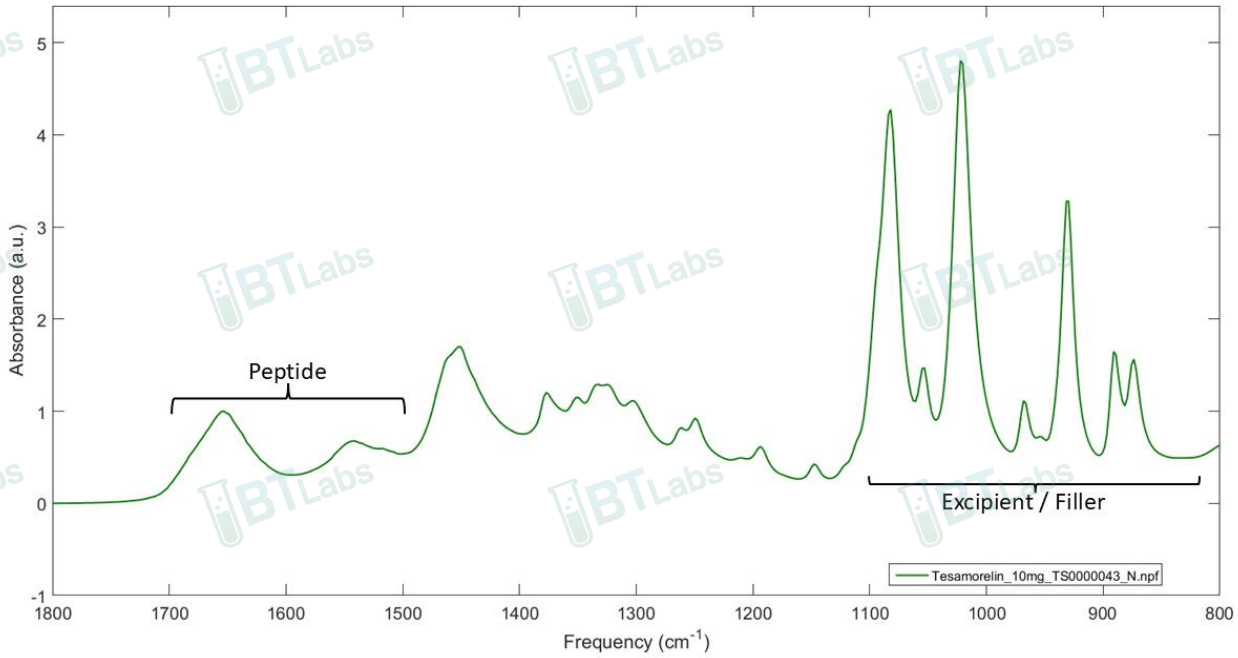
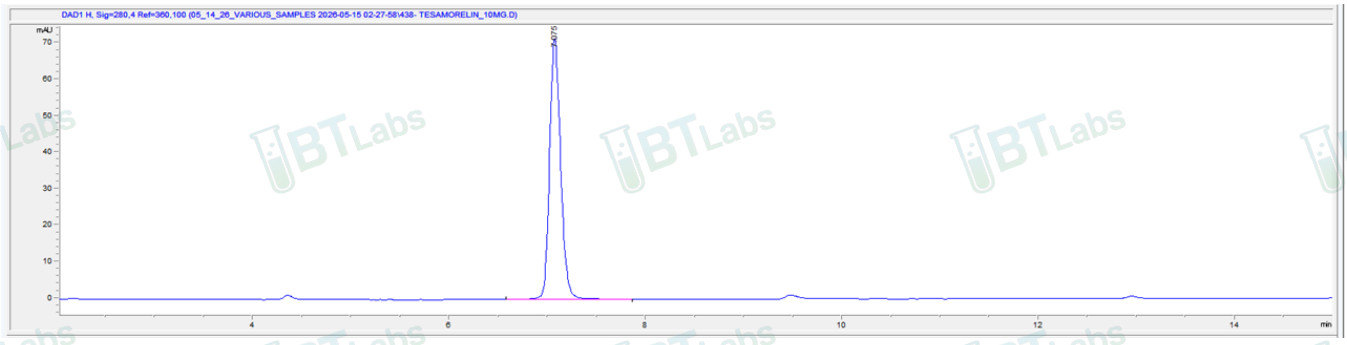
## FTIR ID and Composition Analysis: Tesamorelin Lot TS0000043




## HPLC Purity and Potency Assay @ 220 nm: Tesamorelin Lot TS0000043



| Tesamorelin Lot TS0000043 @ 280 nm | | |
|---|---|---|
| Peak #: | Retention Time (min) | Area (mAU*s) |
| 1 | 7.075 | 561.6 |

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