Title:

# Certificate of Analysis (CoA)

**Date:** 4/30/2026
**Date Tested:** 4/28/2026
**Customer:** Peptide Basement
**Testing material:** Epithalon
**Lot Number:** ET415
**BT Sample ID:** 005000039846493
**Labeled Peptide Content/Potency:** 10 mg
**Storage:** R.T.
**Visual Description:** clear vial: white sample, holographic label, silver crimp, white plastic cap.
**Labeled as:** Epithalon
**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 | 105.6 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 Epithalon with addition of excipient(s)/fillers. |
| **HPLC Purity of Peptide Assay** | USP <621> | Specifications: ≥ 98 % | 99.8 % |
| **HPLC Potency Assay** | USP <621> | Specifications: 90 – 110% of 10 mg | 10.6 mg (105.8 %) |
| **Peptide-to-Excipients Ratio** | USP <1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients) | 10.6 : 95 mg (1:9) |

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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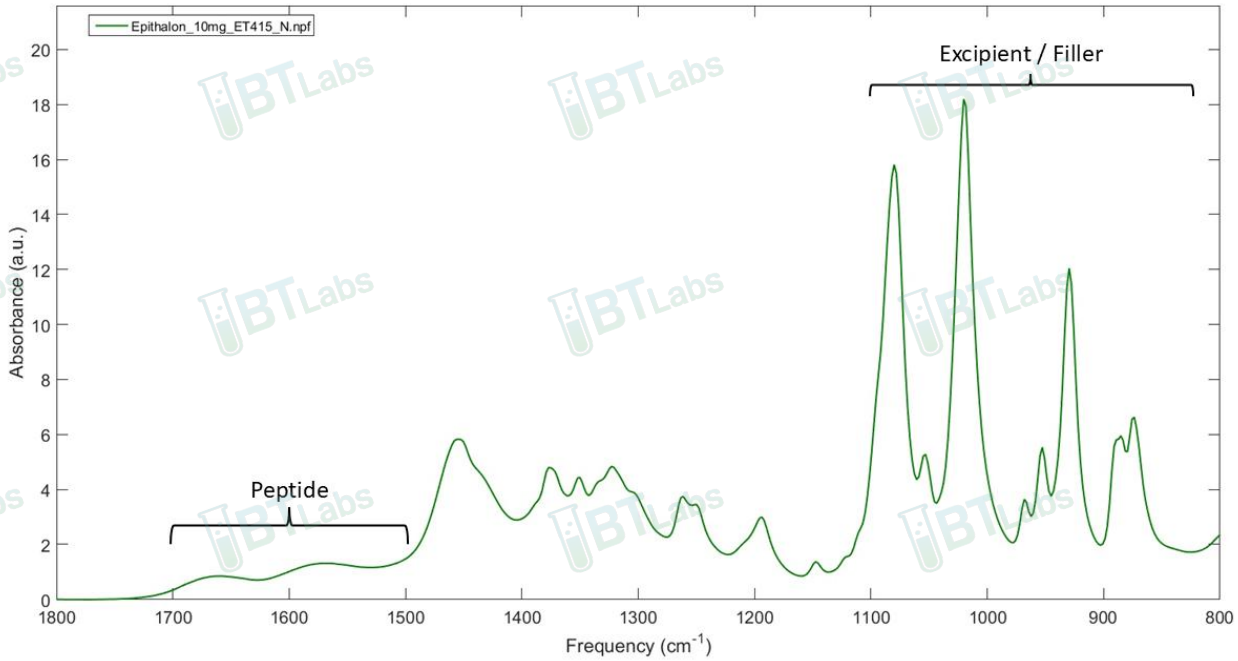
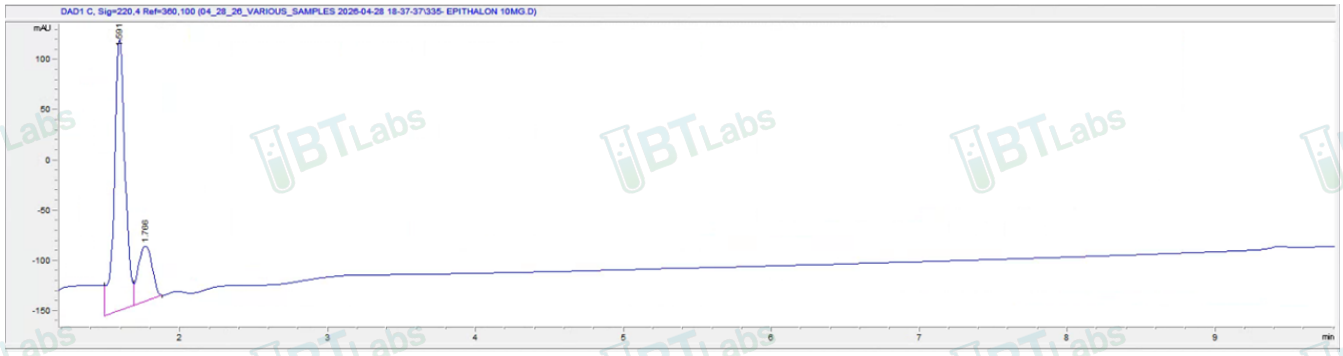
## FTIR ID and Composition Analysis: Epithalon Lot ET415




## HPLC Purity and Potency Assay @ 220 nm: Epithalon Lot ET415




| Epithalon Lot ET415 @ 220 nm | | |
|---|---|---|
| Peak #: | Retention Time (min) | Area (mAU*s) |
| 1 | 1.591 | 3881.4 |
| 2 | 1.766 | 366.3 |