Title:

# Certificate of Analysis (CoA)




**Date:** 4/12/2026
**Date Tested:** 4/9/2026
**Customer:** Testing Task Force
**Testing material:** SS-31
**Lot Number:** N/A
**BT Sample ID:** 005000039549830
**Labeled Peptide Content/Potency:** 50 mg
**Storage:** R.T.
**Visual Description:** small clear vial: white sample, white label, bronze crimp, clear plastic cap.
**Labeled as:** SS-31
**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 <630> | white powder | white powder |
| **Mass** | USP <41> | As recorded | 146.4 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 SS-31 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 50 mg | 66.4 mg (132.8 %) |
| **Peptide-to-Excipients Ratio** | USP <1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients) | 66.4 : 80 mg (1:1.2) |

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

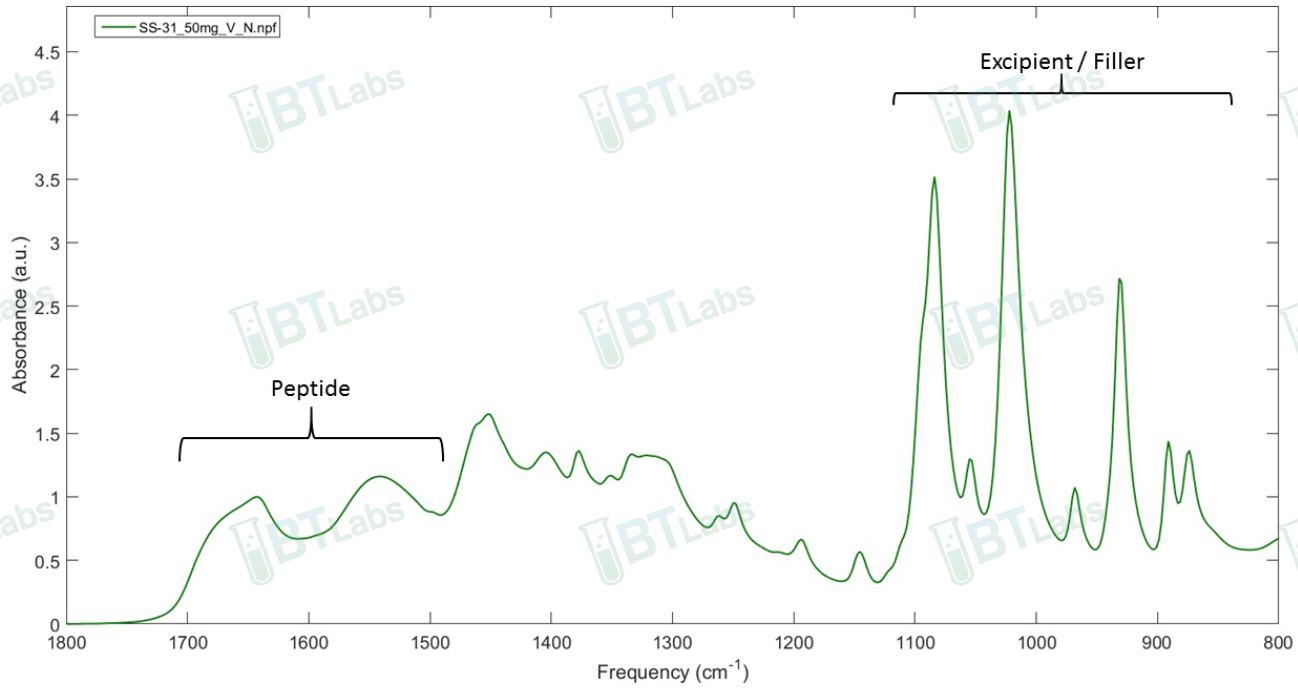
Andrea Castro, AS
Scientist-II
BTLabs

Verna Zheng, AS
Scientist-II
BTLabs

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## FTIR ID and Composition Analysis: SS-31 Lot N/A




## HPLC Purity and Potency Assay @ 280 nm: SS-31 Lot N/A




| SS-31 Lot N/A @ 280 nm | | |
|---|---|---|
| Peak #: | Retention Time (min) | Area (mAU*s) |
| 1 | 3.869 | 2980.5 |

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407
Phone: (561) 625-0133
E-mail: info@btlabtesting.com | Website: https://btlabtesting.com