



Report #:

IF-824-QSA-TR006-BTL26470-01

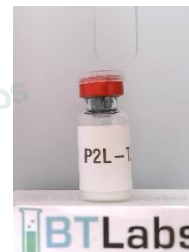
Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 5/18/2026
Date Tested: 5/14/2026
Customer: Polaris Peptides
Testing material: Tirzepatide
Lot Number: P2L-T30-19
BT Sample ID: 005000040062115
Labeled Peptide
Content/Potency: 30 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, red crimp, clear plastic cap.
Labeled as: Tirzepatide
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	84.7 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 Tirzepatide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.6 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 30 mg	37.4 mg (124.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	37.4 : 47.3 mg (1:1.3)

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

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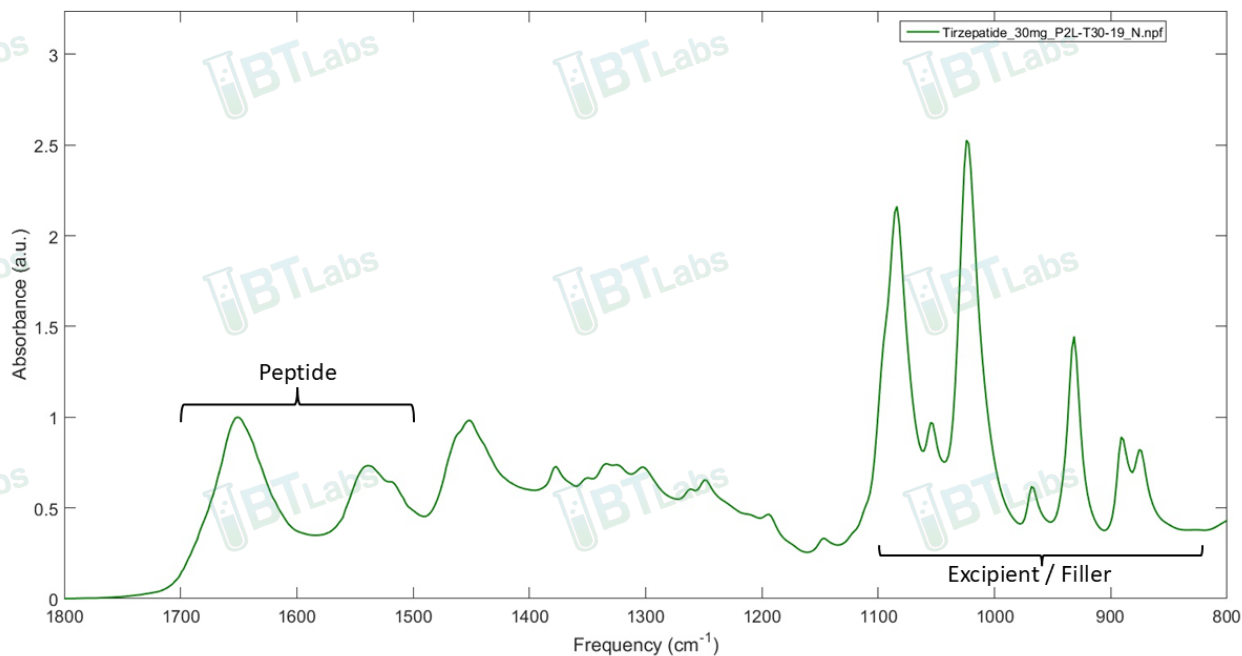
Phone: (561) 941-4835

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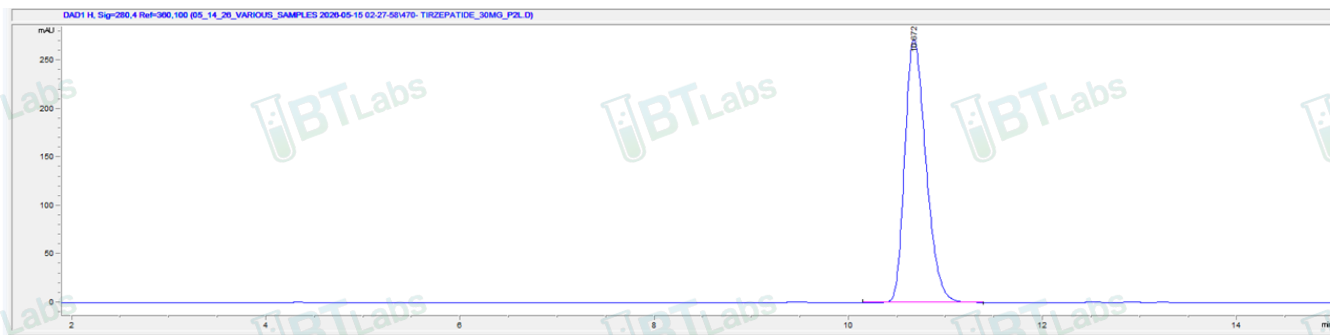
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Tirzepatide Lot P2L-T30-19



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot P2L-T30-19



Tirzepatide Lot P2L-T30-19 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.672	4114.3

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Report #:

IF-824-QSA-TR006-BTL26470-02

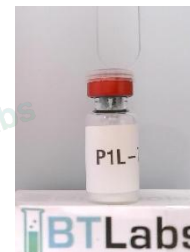
Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 5/18/2026
Date Tested: 5/14/2026
Customer: Polaris Peptides
Testing material: Tirzepatide
Lot Number: P1L-T30-19
BT Sample ID: 005000040062118
Labeled Peptide
Content/Potency: 30 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, red crimp, clear plastic cap.
Labeled as: Tirzepatide
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	79.3 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 Tirzepatide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 30 mg	32.3 mg (107.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	32.3 : 47 mg (1:1.5)

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

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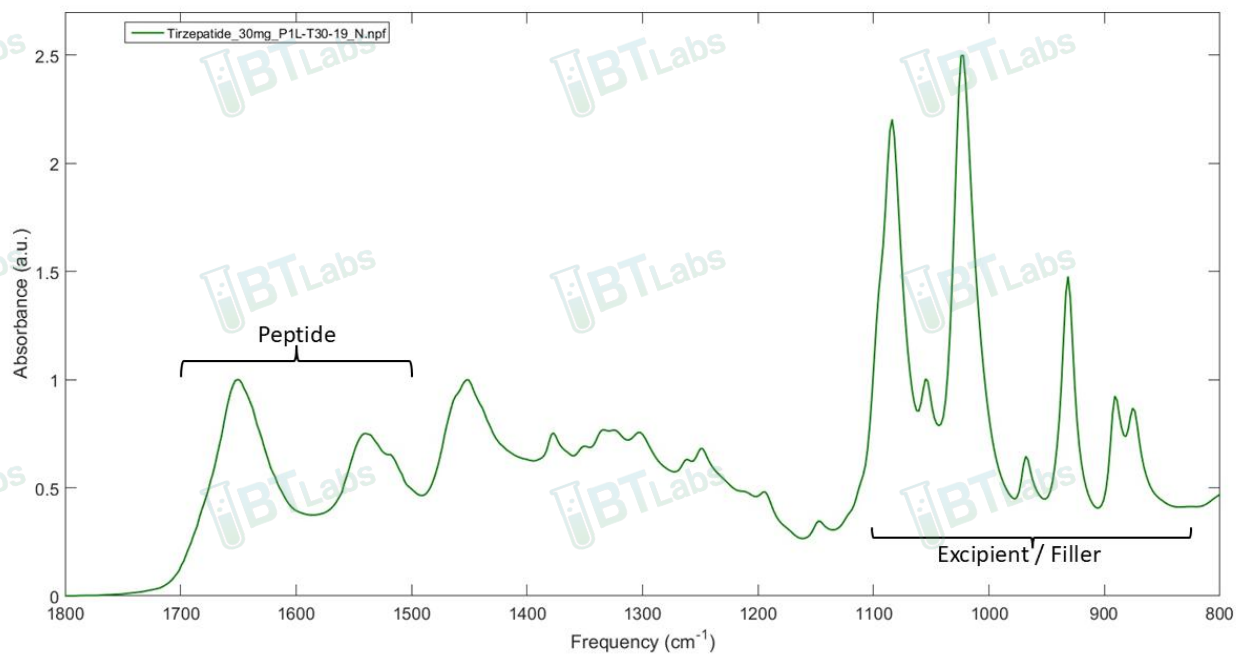
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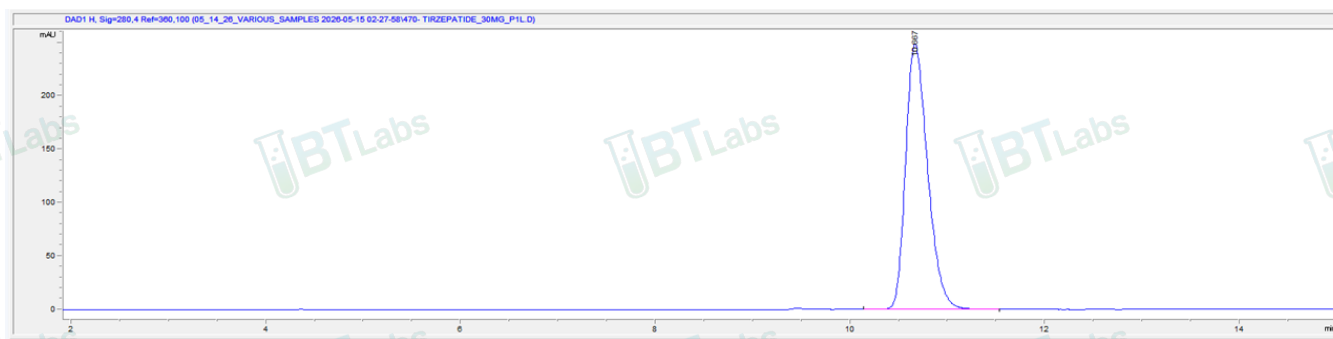
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Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Tirzepatide Lot P1L-T30-19



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot P1L-T30-19



Tirzepatide Lot P1L-T30-19 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.667	3904.7



Report #:

IF-824-QSA-TR006-BTL26470-03

Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 5/18/2026
Date Tested: 5/14/2026
Customer: Polaris Peptides
Testing material: Tirzepatide
Lot Number: POL-T30-19
BT Sample ID: 005000040062121
Labeled Peptide
Content/Potency: 30 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, red crimp, clear plastic cap.
Labeled as: Tirzepatide
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	80.4 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 Tirzepatide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 30 mg	34.9 mg (116.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	34.9 : 45.5 mg (1:1.3)

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

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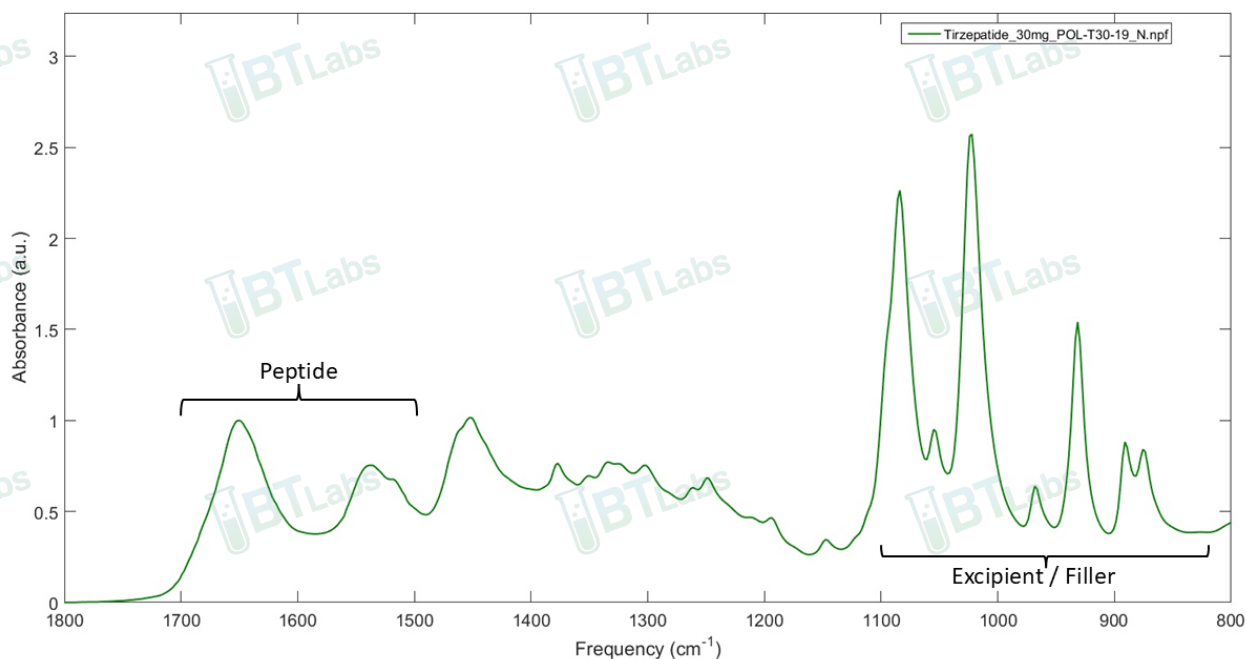
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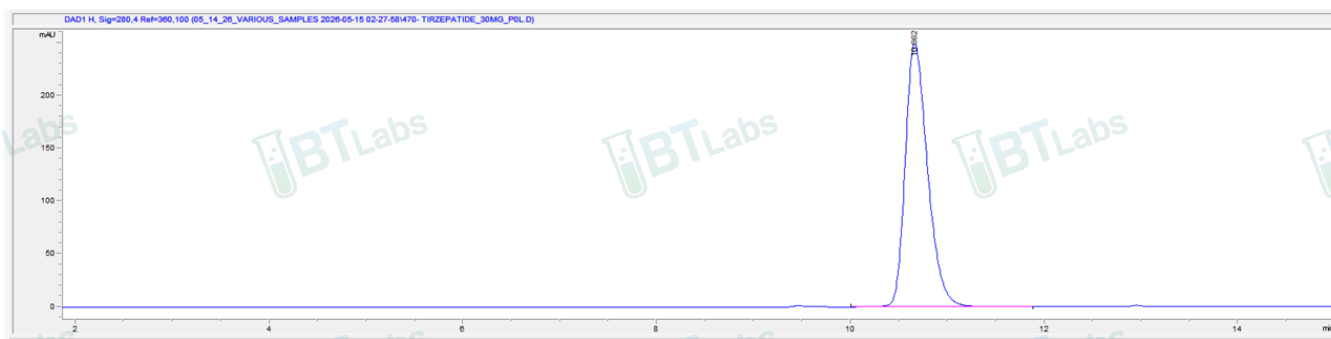
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Tirzepatide Lot POL-T30-19



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot POL-T30-19



Tirzepatide Lot POL-T30-19 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.662	4011