



Report #:

COA261043-002

Page 1 of 2

Title:

Certificate of Analysis (CoA)



Date: 8/10/2026
Date Tested: 8/7/2026
Customer: PepNova Labs
Testing material: Tirzepatide
Lot Number: TZ20-LP-71826
Content/Potency: 30 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, grey plastic cap.
Labeled as: Tirzepatide
Manufacturer: PepNova 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.



BT Labs

Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	79.6 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 Tirzepatide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 30 mg	33.5 mg (111.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	33.5 : 46.1 mg (1:1.4)

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

Andrea Castro, BS
Scientist-II
BT Labs

Escarlet Cabrieles, BS
Scientist-II
BT Labs

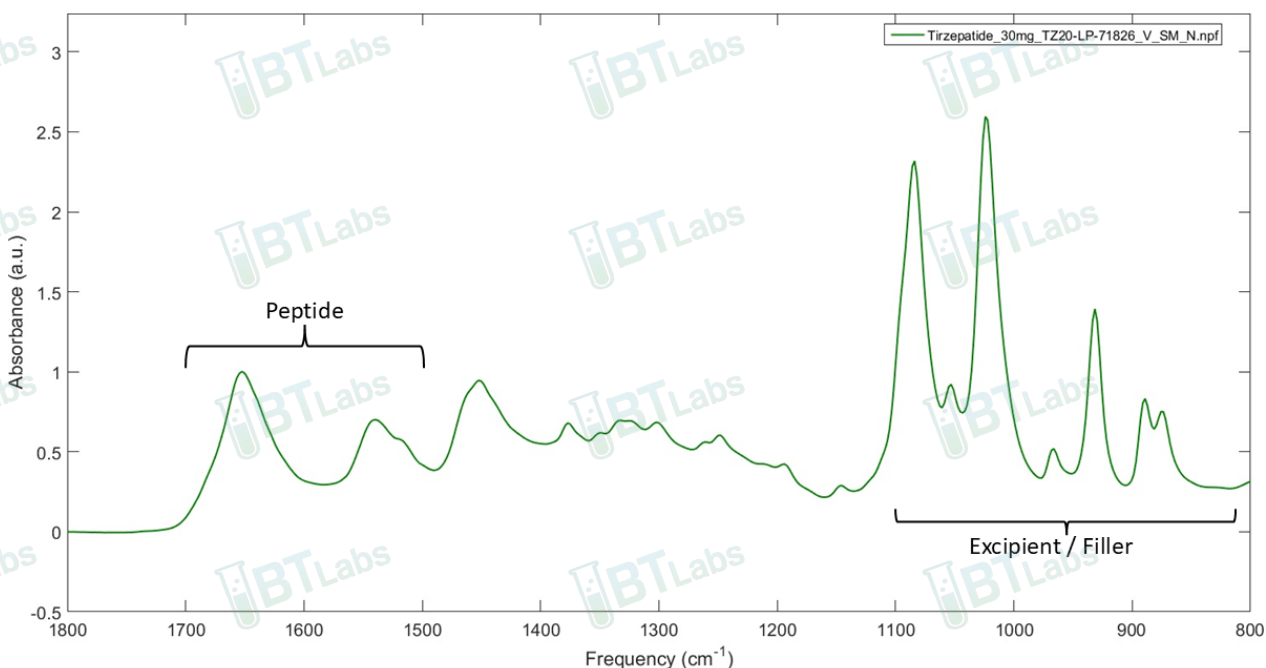
5601 Corporate Way | Suite 206 | West Palm Beach, FL 33407
Phone: (561) 625-0133
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>



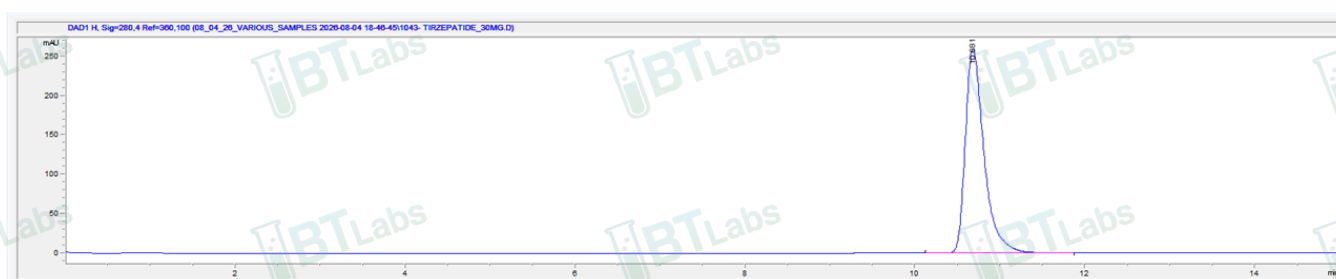
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Tirzepatide Lot TZ20-LP-71826



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot TZ20-LP-71826



Tirzepatide Lot TZ20-LP-71826 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.681	3978.4