



Report #:

IF-824-QSA-TR006-BTL26812-37

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Title:

Certificate of Analysis (CoA)



Date: 7/10/2026
Date Tested: 7/7/2026
Customer: Peptide Global Co
Testing material: Tirzepatide
Lot Number: US01-TZ20-Y
BT Sample ID: 005000040750707
Labeled Peptide Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Tirzepatide
Manufacturer: 12-11-26
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	67.8 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 20 mg	22.5 mg (112.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	22.5 : 45.3 mg (1:2)

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

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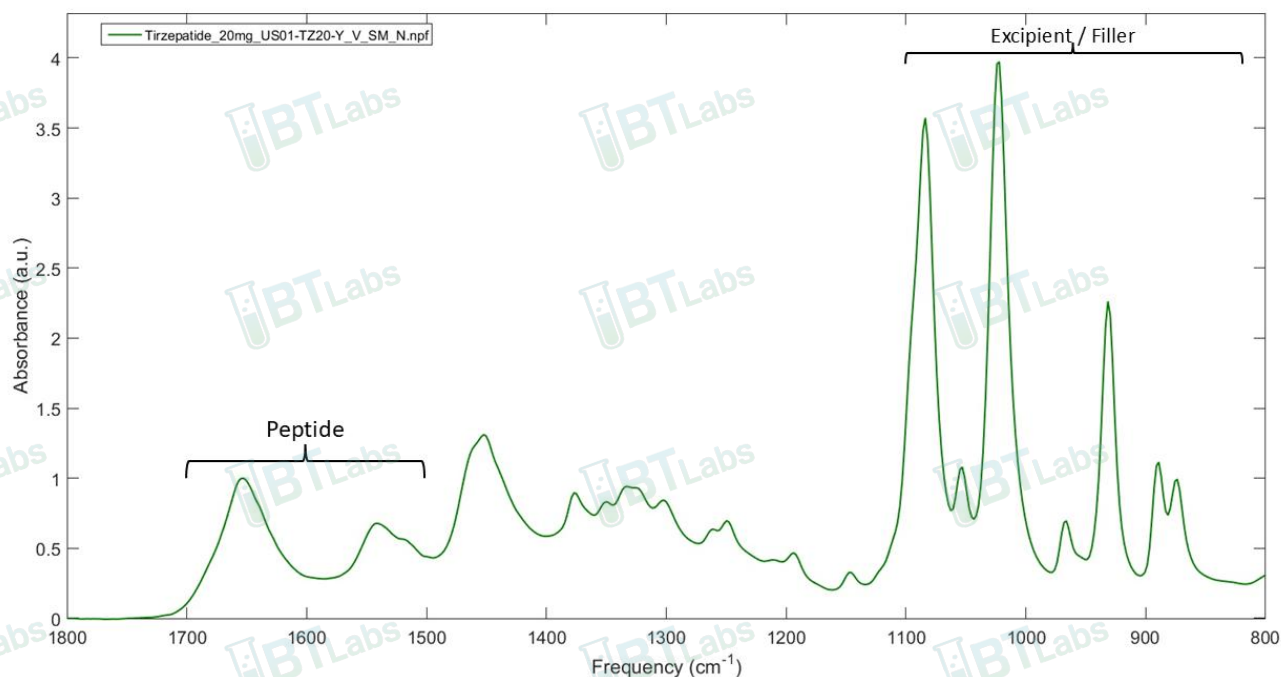
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>

Title:

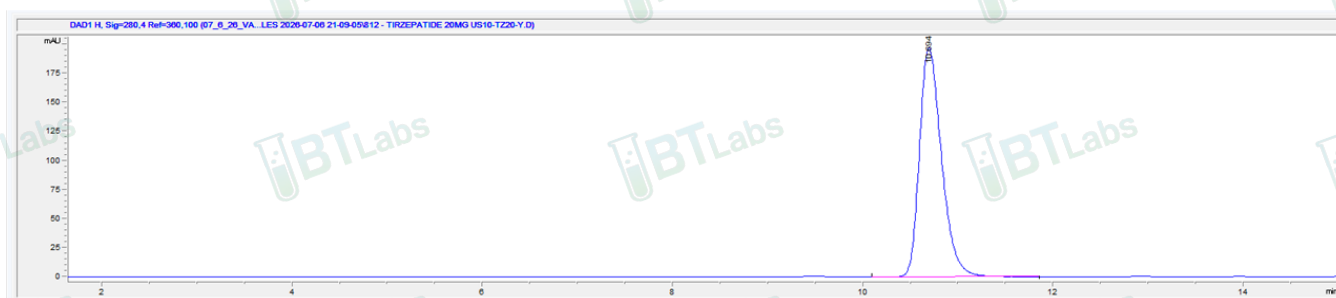
Certificate of Analysis (CoA)



FTIR ID and Composition Analysis: Tirzepatide Lot US01-TZ20-Y



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot US01-TZ20-Y



Tirzepatide Lot US01-TZ20-Y @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.694	3200.7

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Certificate of Analysis (CoA)

Bacterial Endotoxins Test (ABI- TEST 0012)


Date: 7/10/2026

Date Tested: 7/7/2026

Customer: Peptide Global Co

Testing material: Tirzepatide

Lot Number: US01-TZ20-Y

BT Sample ID: 005000040750830

Labeled Peptide
Content/Potency: 20 mg

Storage: R.T.

Visual Description: Small clear vial: white sample, white label, silver crimp, yellow plastic cap.

Labeled as: Tirzepatide

Manufacturer: 12-11-26

Testing Purpose: (ABI-TEST 0012) test quantifies bacterial endotoxin levels to confirm that the product does not elicit pyrogenic reactions, maintaining patient safety and product integrity.

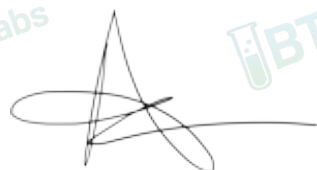

Test	Method	Specification	Result
Bacterial Endotoxins Test	USP <85>	40 EU/vial reconstituted	PASS

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

Bacterial Endotoxins Test Tirzepatide Lot US01-TZ20-Y

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity (λ , EU/mL)	Result
US01-TZ20-Y	Tirzepatide	3	40 EU/vial	0.25	29.5 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.



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Title:

Certificate of Analysis (CoA)



Date: 7/14/2026
Date Tested: 6/30/2026
Customer: Peptide Global Co
Testing material: Tirzepatide
Lot Number: US01-TZ20-Y
BT Sample ID: 005000040750953
Labeled Peptide Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Tirzepatide
Manufacturer: 12-11-26
Testing Purpose: ABI-TEST 001, determines the absence of viable contaminating microorganisms in sterile pharmaceutical products, ensuring compliance with sterility requirements.



Sterility Test Results Tirzepatide Lot US01-TZ20-Y

Sample	Incubation days	TSB Incubation	FTM Incubation	Remarks
Tirzepatide Lot US01-TZ20-Y	1-14	No growth	No growth	PASS
Media only	1-14	No growth	No growth	Media sterility confirmed
Media + aerobes	1-14	Growth	N/A	Media growth promotion confirmed
Media + anaerobes	1-14	N/A	Growth	Media growth promotion confirmed

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