

Title:

Certificate of Analysis (CoA)

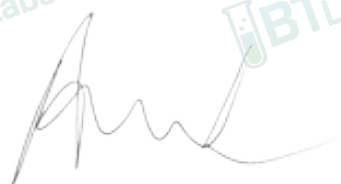


Date: 6/22/2026
Date Tested: 6/18/2026
Customer: TM Research
Testing material: Tirzepatide
Lot Number: TMR-2T-20260605
BT Sample ID: 005000040563785
Labeled Peptide Content/Potency: 30 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, orange plastic cap.
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	80.5 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	33.1 mg (110.3 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	33.1 : 47.4 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, AS
 Scientist-II
 BTLabs



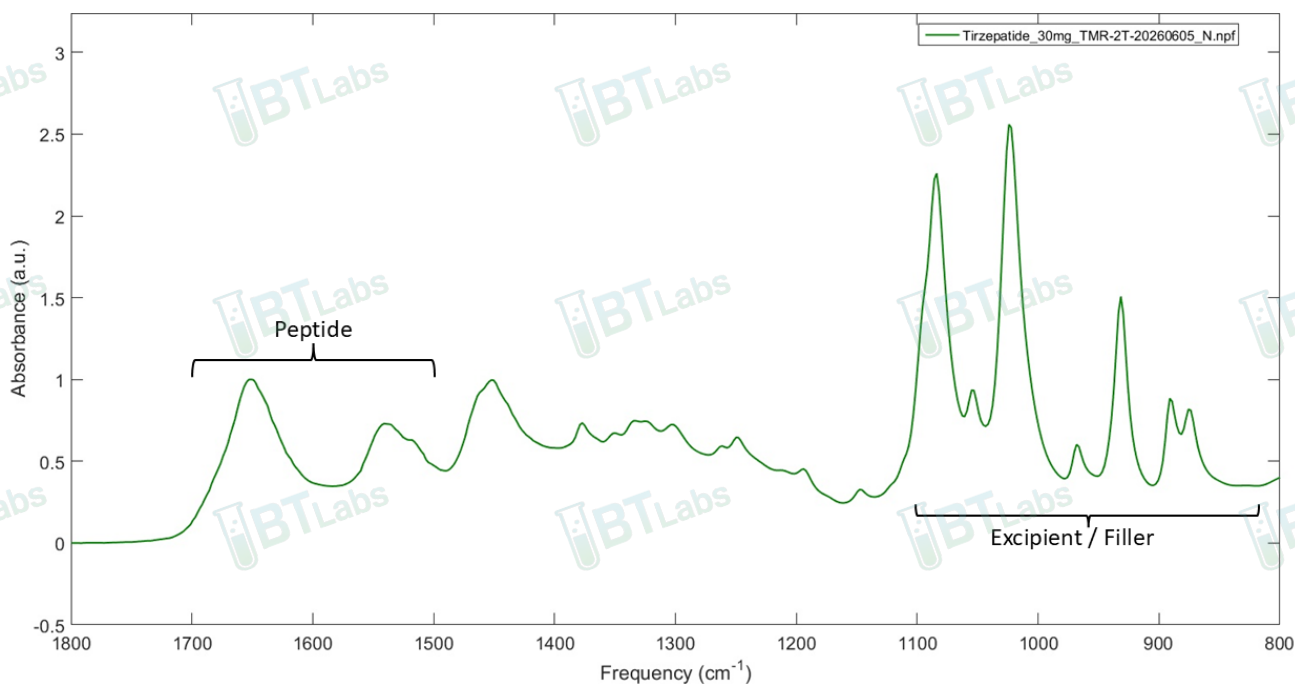
Verna Zheng, AS
 Scientist-II
 BTLabs

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FTIR ID and Composition Analysis: Tirzepatide Lot TMR-2T-20260605



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot TMR-2T-20260605



Tirzepatide Lot TMR-2T-20260605 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.657	3889.6

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