

Title:

Certificate of Analysis (CoA)

Date: 11/1/2025
Date Tested: 11/1/2025
Customer: GLP-123
Testing material: Tirzepatide
Lot Number: TZ15.001
BT Sample ID: 005000036618221
Labeled Peptide
Content/Potency: 15 mg
Storage: R.T.
Packing material: Clear glass vial with white label, silver crimp and yellow cap
Labeled as: Tirzepatide GLP-1/GIP
Manufacturer: Tirzepatide-99
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	111.3 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 peptide with addition of excipient(s)/fillers such as mannitol.
HPLC Purity of Peptide Assay (UV)	USP <621>	Specifications: $\geq 98\%$	99.4%
HPLC Potency Assay (UV)	USP <621>	Specifications: 95 – 105% of 15 mg	17.41 mg (116.1 %)

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

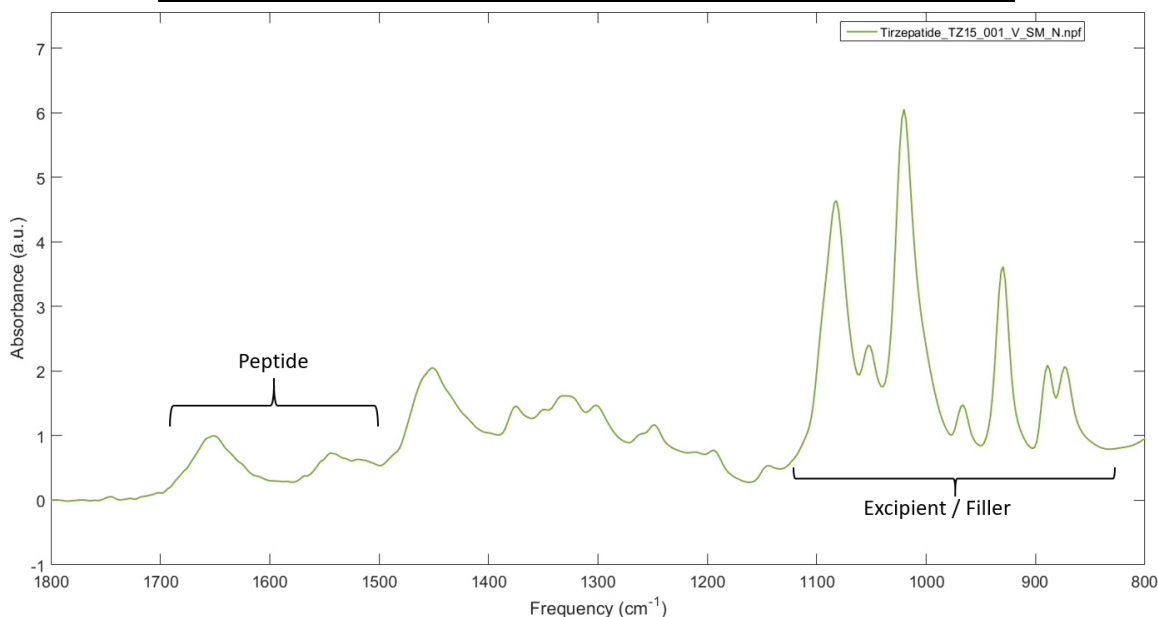
Kimberly Quinn, MS
Lab Manager
BTLabs

Michael Herrera, AS
Scientist-I
BTLabs

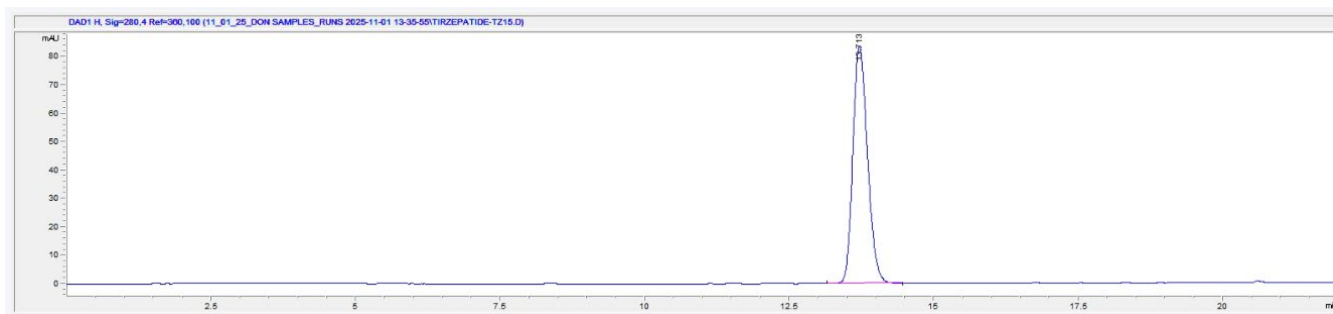
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Tirzepatide Lot TZ15.001



HPLC Purity and Potency Assay @ 280 nm: Tirzepatide Lot TZ15.001



Tirzepatide Lot TZ15.001 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	13.713	1474.5