Title:

Certificate of Analysis (CoA)

Date: 4/20/2026
Date Tested:
Customer: Apex Lab USA
Testing material:
Lot Number: BWC-S20-20202
BT Sample ID: 005000039656140
Labeled Peptide Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, white plastic cap.
Labeled as: Semaglutide
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	64.8 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 Semaglutide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: ≥ 98 %	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	20.1 mg (100.7 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	20.1 : 44.7 mg (1:2.2)

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

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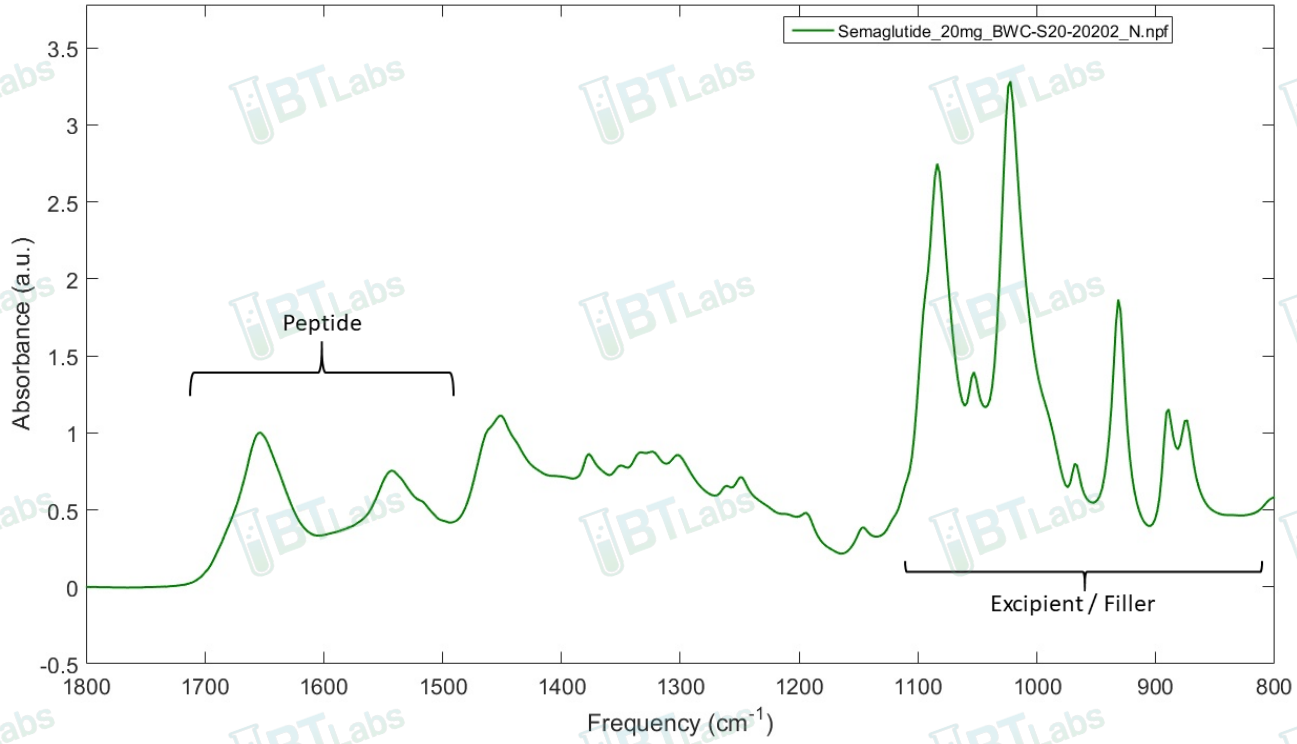
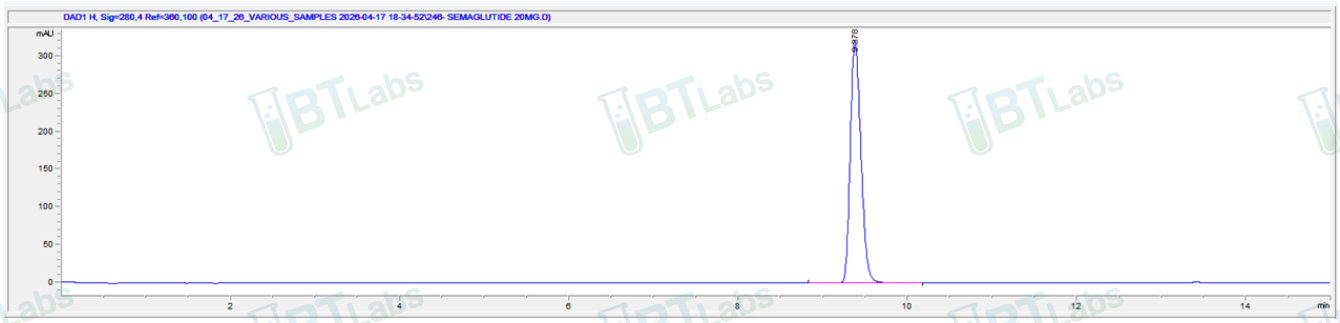
FTIR ID and Composition Analysis: Semaglutide Lot BWC-S20-20202



HPLC Purity and Potency Assay @ 280 nm: Semaglutide Lot BWC-S20-20202



Semaglutide Lot BWC-S20-20202 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	9.378	2784.7

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