



Title:

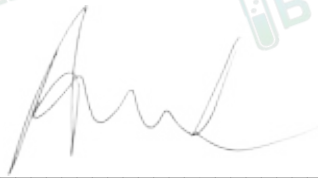
Certificate of Analysis (CoA)

Date: 4/24/2026
Date Tested: 4/18/2026
Customer: Vertex Labs
Testing material: Semaglutide
Lot Number: SM0000038
BT Sample ID: 005000039742021
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: Semaglutide
Manufacturer: Vertex 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.



Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	83.8 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: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 30 mg	31.4 mg (104.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	31.4 : 52.4 mg (1:1.7)

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

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407
Phone: (561) 625-0133

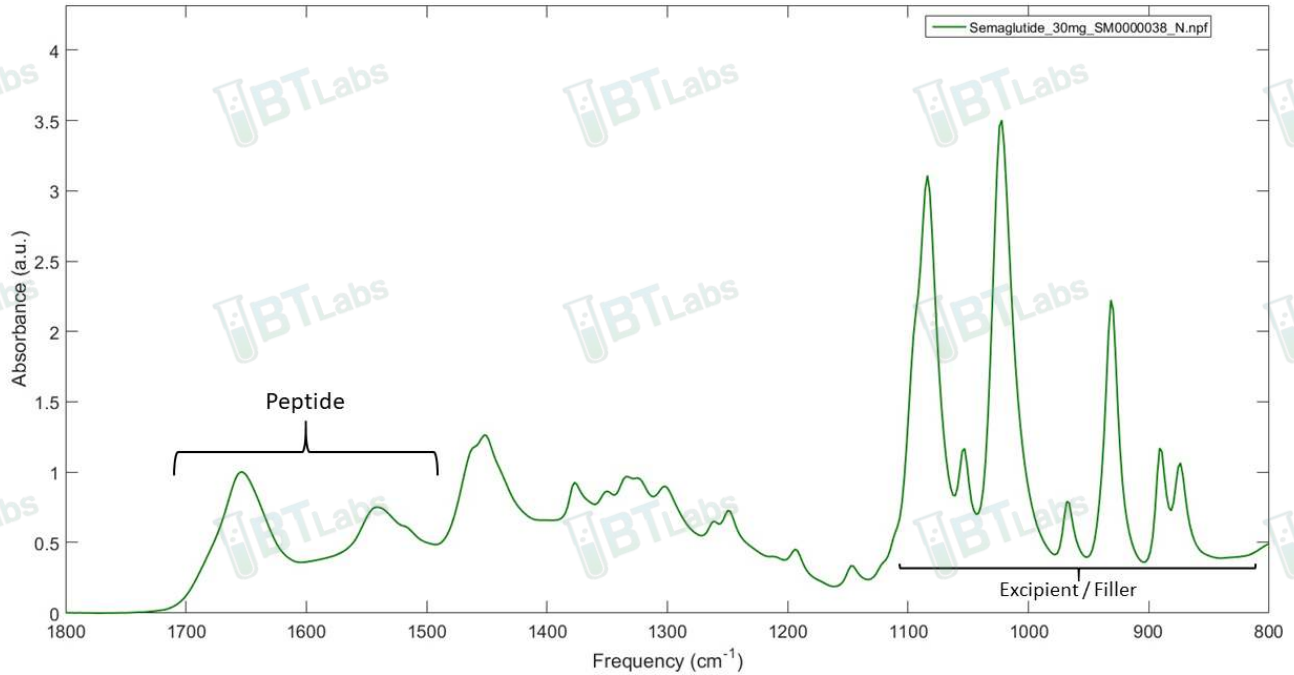
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>



Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Semaglutide Lot SM0000038



HPLC Purity and Potency Assay @ 280 nm: Semaglutide Lot SM0000038



Semaglutide Lot SM0000038 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	9.388	3207.6