



Report #:

IF-824-QSA-TR006-BTL26710-01

Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 6/10/2026
Date Tested: 6/8/2026
Customer: Lifeways Research
Testing material: Retatrutide
Lot Number: GLP3_05_2
BT Sample ID: 005000040394869
Labeled Peptide
Content/Potency: 5 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, dark blue plastic cap.
Labeled as: Retatrutide
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	93 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 Retatrutide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	98.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 5 mg	5.1 mg (102.7 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	5.1 : 87.9 mg (1:17.1)

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

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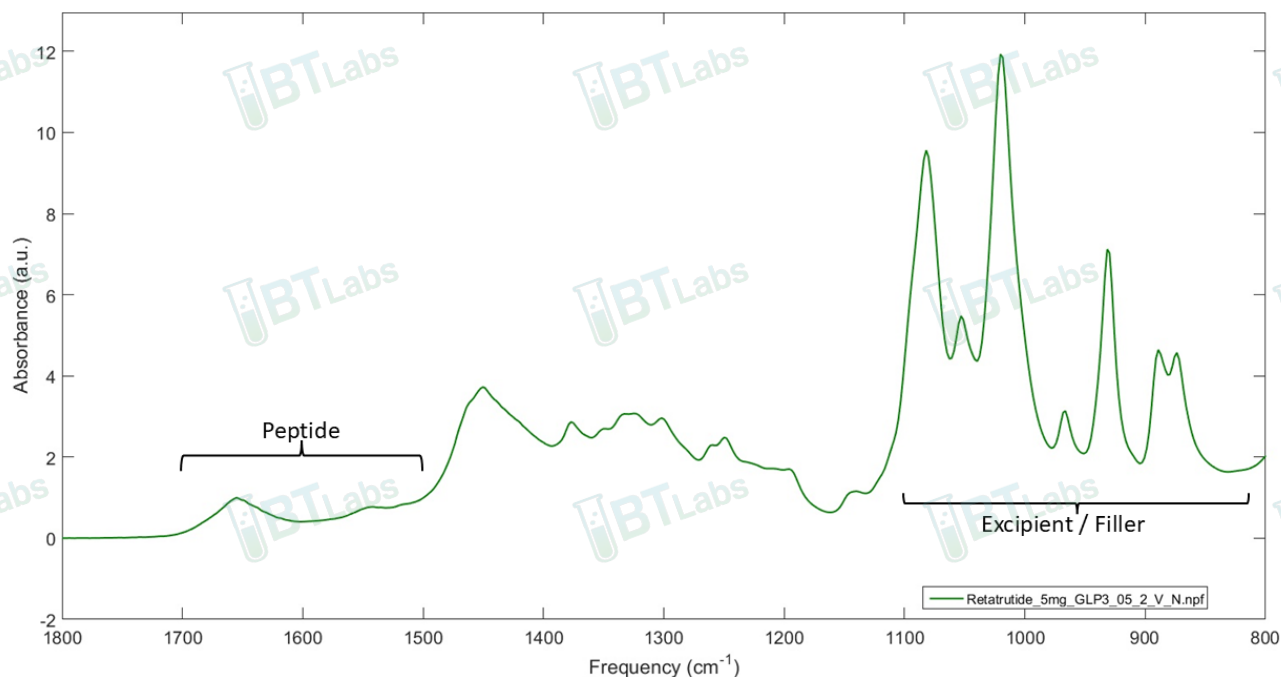
Phone: (561) 625-0133

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

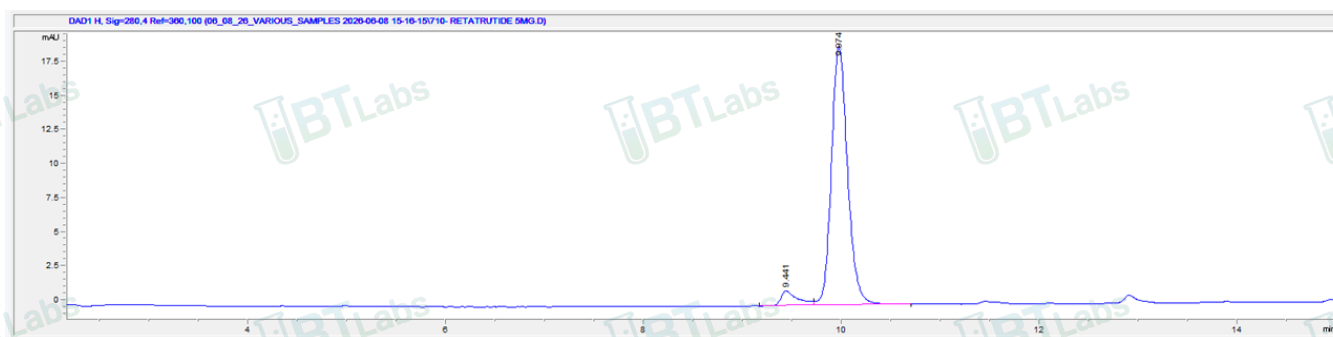
Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Retatrutide Lot GLP3 05 2



HPLC Purity and Potency Assay @ 280 nm: Retatrutide Lot GLP3 05 2



Retatrutide Lot GLP3 05 2 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	9.974	276.1