

LABORATORY LOGO	Report #: LAB-FORM-0000-01
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Title: Certificate of Analysis (CoA) Peptide Identity, Purity and Potency Test (SPECIMEN)	



Scan to verify this CoA
on the laboratory's site

SPECIMEN. Layout of the original laboratory CoA you receive. All names and values are illustrative. Your real CoA is issued, signed and QR-verifiable by the laboratory, in your company name.

Date: MM/DD/YYYY
Date Tested: MM/DD/YYYY
Customer: Your Company Name
Testing material: Tirzepatide
Lot Number: EXAMPLE-LOT-01
Sample ID: 0000000000000000
Labeled Peptide 30 mg
Content/Potency:
Storage: 2–8 °C
Visual Description: 3 mL clear vial: white lyophilized cake, printed label, gold crimp, white plastic cap.
Labeled as: Tirzepatide 30 mg
Manufacturer: As declared by customer
Testing Purpose: HPLC and mass spectrometry for the identity, purity and potency of a peptide product, with USP sterility and bacterial endotoxins testing where requested.



Sample photo taken at intake

Test	Method	Specification	Result
Appearance	USP <630>	White to off-white powder	White powder
Identity (Mass Spectrometry)	LC-MS	Conforms to declared peptide	Conforms
Purity (HPLC)	USP <621>	≥ 98.0 %	99.4 % PASS
Net Peptide Content	USP <621>	90–110 % of 30 mg	30.9 mg PASS
Sterility (optional)	USP <71>	No growth after 14 days	No growth PASS
Bacterial Endotoxins (optional)	USP <85>	Below the EU/vial limit	PASS

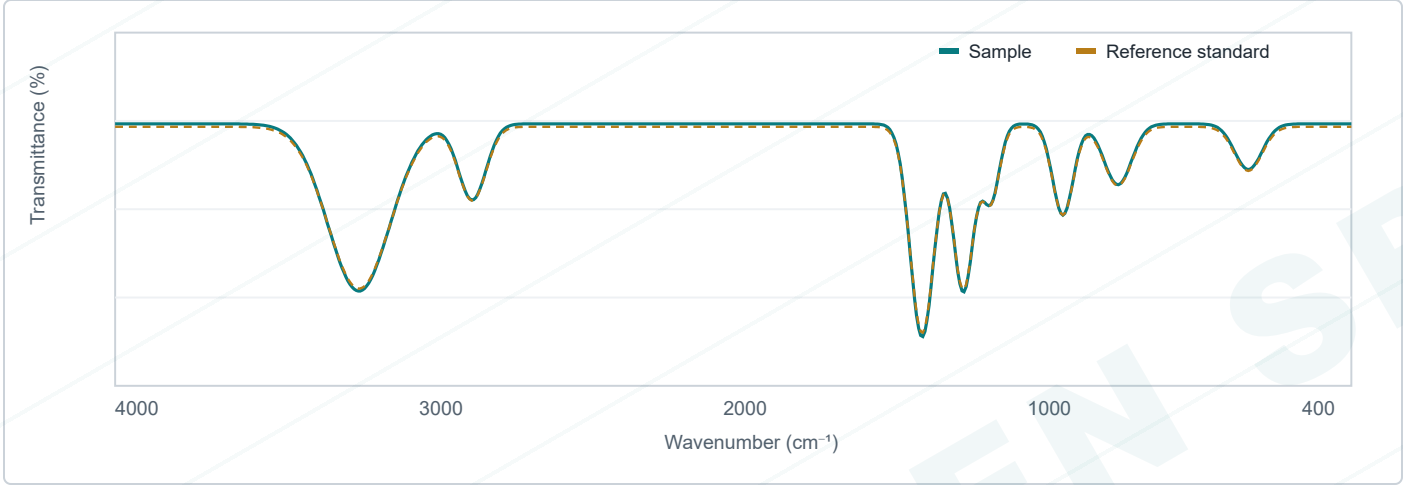
The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Analyst Name, Degree
Scientist
Issuing Laboratory

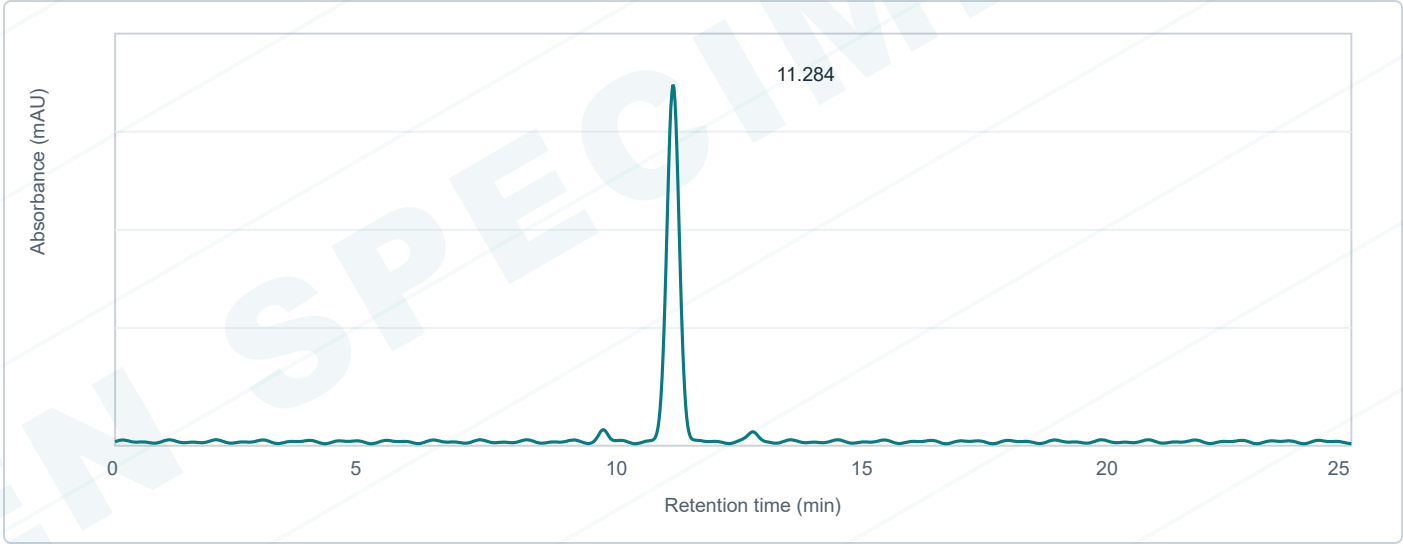
Reviewer Name, Degree
Scientist
Issuing Laboratory

Title: **Certificate of Analysis (CoA)**
Chromatograms and supporting data (SPECIMEN)

FTIR identification and composition: Tirzepatide, lot EXAMPLE-LOT-01



HPLC purity and potency assay at 280 nm: Tirzepatide, lot EXAMPLE-LOT-01



Peak #	Retention time (min)	Area (mAU·s)	Area %
1	9.871	8.6	0.3
2	11.284	2,742.1	99.4
3	12.906	8.0	0.3

Bacterial endotoxins (USP <85>) and sterility (USP <71>)

Test	Sample / control	Result
Endotoxin, kinetic chromogenic	Sample, positive product control in range	Below limit PASS
Sterility, direct inoculation	TSB and FTM media, 14 days	No growth PASS