

Certificate of Analysis

**Client:**

Cellgenic

Datron Center 9100 S Dadeland Boulevard,

Suite 1500. Miami FL 33156 United States.

Email: info@stemcellsgroup.com

Phone: +1 305 560 5337

Amino Acids Sequence (Tirzepatide)

Tyr-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Aib-Leu-Asp-Lys-Ile-Ala-Gln-Lys-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH₂

Sample Identification

Sample Name	Tirzepatide 50 mg	Batch Number	TIR5020-01	Date Published	3-MAR-2026
-------------	-------------------	--------------	------------	----------------	------------

Results for TIR5020-01 TIRZEPATIDE

Analysis of Peptide Identity, Content and Purity	ResultUnit	Uncertainty	Reporting Limit
---	------------	-------------	-----------------

Tirzepatide Assay <i>Peptide Screening</i>	50.15 mg	[± 0.25]	
--	----------	----------	--

Tirzepatide Identification by RT <i>Peptide Screening</i>	1.001	[± 0]	
---	-------	-------	--

Tirzepatide Identification by spectrum <i>Peptide Screening</i>	4813	[± 20]	
---	------	--------	--

Tirzepatide Purity <i>Peptide Screening</i>	> 99.8 %	[± 0.4]	
---	----------	---------	--

Bioburden	ResultUnit	Uncertainty	Reporting Limit
-----------	------------	-------------	-----------------

Total Aerobic Microbial Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 1000 △
--	--------------------	--	-----------

Total Yeast and Mold Count <i>USP <61> Plate Count Method</i>	Not detected CFU/g		>= 100 △
---	--------------------	--	----------

Endotoxin Analysis	ResultUnit	Uncertainty	Reporting Limit
--------------------	------------	-------------	-----------------

Bacterial Endotoxin <i>USP<85> Bacterial Endotoxin Chromogenic Test</i>	< 0.001 EU/mg		> 0.5 △
---	---------------	--	---------

Heavy Metals	ResultUnit	Uncertainty	Reporting Limit
--------------	------------	-------------	-----------------



Quality Assurance

SIGNED CERTIFICATION

Analysis results relate only to the samples tested.

This document shall not be reproduced except in full, without the written approval of Cellgenic Laboratories.

Edwin Hoag

Edwin Hoag, MD, PhD

Inspecting QA/QC Manager · Cellgenic Laboratories



Datran Center · 9100 S Dadeland Boulevard, Suite 1500 · Miami, FL 33156 · United States
info@stemcellsgroup.com · +1 305 560 5337 · cellgenic.com

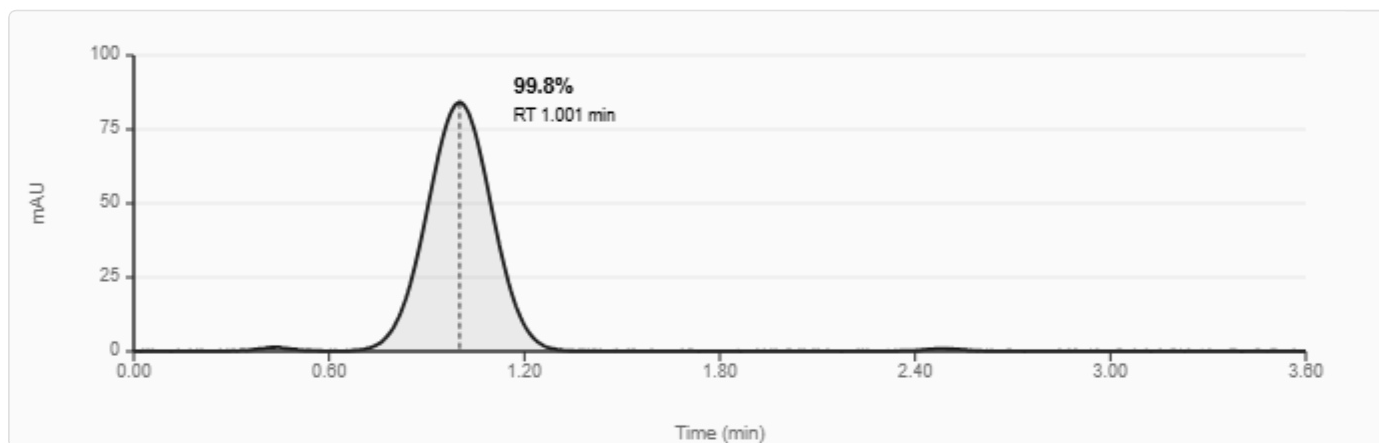
Analysis Dashboard

Tirzepatide

• Batch: TIR5020-01 • 3-MAR-2026

HPLC Chromatogram

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY • PURITY ANALYSIS

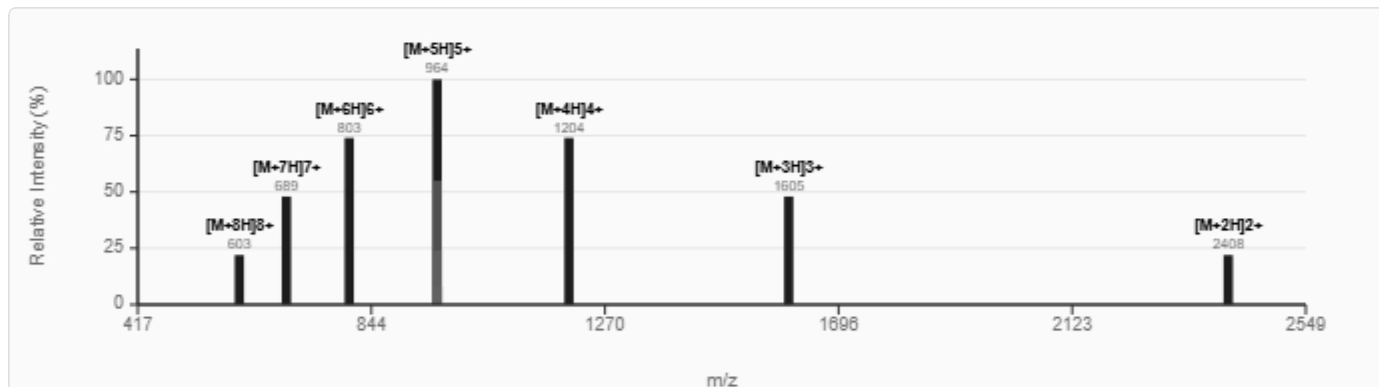


Column: C18, 250x4.6 mm, 5µm Mobile phase: H₂O/ACN + 0.1% TFA Detection: UV 220 nm

RT: 1.001 min Purity: > 99.8%

Mass Spectrum

ELECTROSPRAY IONIZATION MASS SPECTROMETRY • IDENTITY CONFIRMATION



Ionization: ESI+, positive mode Instrument: LC-MS/MS Observed: 4813 m/z Identity: Confirmed ✓