

Certificate of Analysis

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Amino Acids Sequence (Semaglutide)

His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(Aib)-Gly-Glu-Gly-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu

Sample Identification

Sample Name	Semaglutide 5 mg	Batch Number	SEM0520-01	Date Published	1-APR-2026
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Results for SEM0520-01 SEMAGLUTIDE

Analysis of Peptide Identity, Content and Purity	ResultUnit	Uncertainty	Reporting Limit
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Semaglutide Assay	5.14 mg	[± 0.03]	
Peptide Screening			

Semaglutide Identification by RT	18.93	[± 0.08]	
Peptide Screening			

Semaglutide Identification by spectrum	4113	[± 20]	
Peptide Screening			

Semaglutide Purity	> 99.5 %	[± 0.5]	
Peptide Screening			

Bioburden	ResultUnit	Uncertainty	Reporting Limit
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Total Aerobic Microbial Count	Not detected CFU/g		>= 1000 △
USP <61> Plate Count Method			

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

Endotoxin Analysis	ResultUnit	Uncertainty	Reporting Limit
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Bacterial Endotoxin	< 0.001 EU/mg		> 0.5 △
USP<85> Bacterial Endotoxin Chromogenic Test			

Heavy Metals	ResultUnit	Uncertainty	Reporting Limit
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Quality Assurance

SIGNED CERTIFICATION

Analysis results relate only to the samples tested.

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Edwin Hoag

Edwin Hoag, MD, PhD

Inspecting QA/QC Manager · Cellgenic Laboratories



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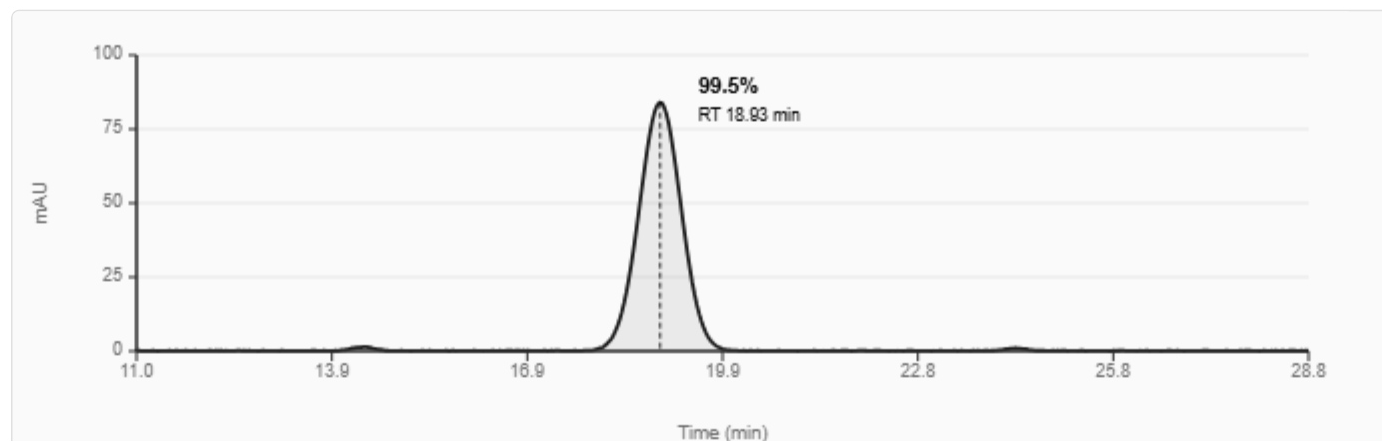
Analysis Dashboard

Semaglutide

• Batch: SEM0520-01 • 1-APR-2026

HPLC Chromatogram

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY • PURITY ANALYSIS

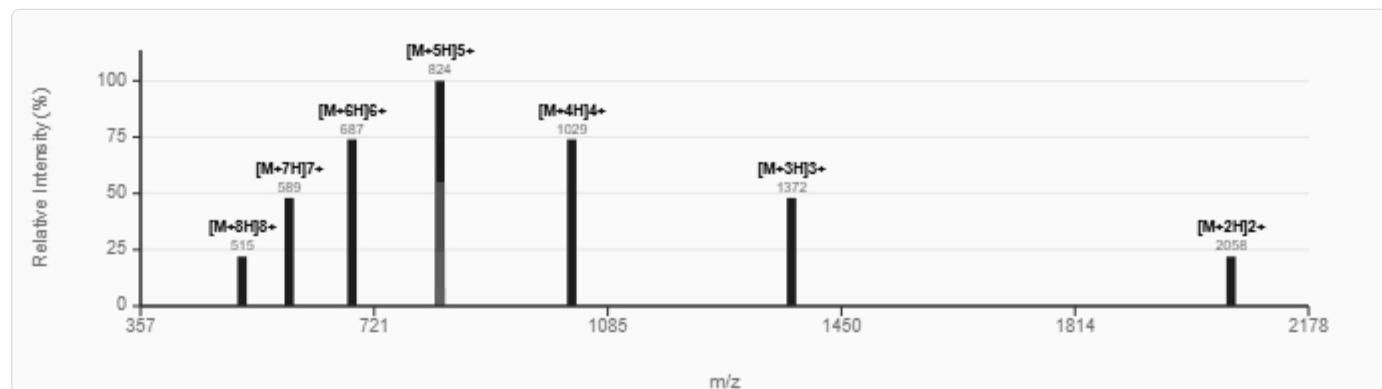


Column: C18, 250x4.6 mm, 5µm Mobile phase: H₂O/ACN + 0.1% TFA Detection: UV 220 nm

RT: 18.93 min Purity: > 99.5%

Mass Spectrum

ELECTROSPRAY IONIZATION MASS SPECTROMETRY • IDENTITY CONFIRMATION



Ionization: ESI+, positive mode Instrument: LC-MS/MS Observed: 4113 m/z Identity: Confirmed ✓