CELLGENIC LABORATORIES

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 10 mg**	**Batch Number**	**SEM1020-01**	**Date Published**	**1-APR-2026**

Results for SEM1020-01 SEMAGLUTIDE

Analysis of Peptide Identity, Content and Purity	Result	Unit	Uncertainty	Reporting Limit
Semaglutide Assay *Peptide Screening*	**10.27**	*mg*	**[± 0.05]**	
Semaglutide Identification by RT *Peptide Screening*	**18.90**		**[± 0.08]**	
Semaglutide Identification by spectrum *Peptide Screening*	**4110**		**[± 20]**	
Semaglutide Purity *Peptide Screening*	**> 99.5**	*%*	**[± 0.5]**	

Bioburden	Result	Unit	Uncertainty	Reporting Limit
Total Aerobic Microbial Count *USP <61> Plate Count Method*	**Not detected**	*CFU/g*		**>= 1000** ⚠
Total Yeast and Mold Count *USP <61> Plate Count Method*	**Not detected**	*CFU/g*		**>= 100** ⚠

Endotoxin Analysis	Result	Unit	Uncertainty	Reporting Limit
Bacterial Endotoxin *USP<85> Bacterial Endotoxin Chromgenic Test*	**< 0.001**	*EU/mg*		**> 0.5** ⚠

Heavy Metals	Result	Unit	Uncertainty	Reporting Limit

Quality *Assurance*

SIGNED CERTIFICATION

Analysis results relate only to the samples tested.
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Edwin Hoag

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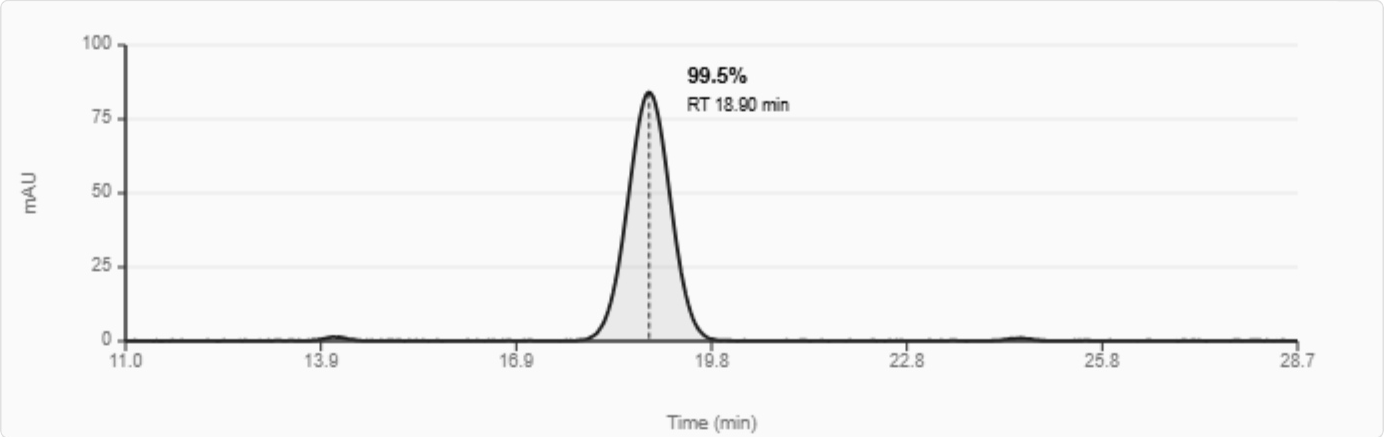
Analysis *Dashboard*

Semaglutide

· **Batch: SEM1020-01** · **1-APR-2026**

HPLC Chromatogram

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY · PURITY ANALYSIS

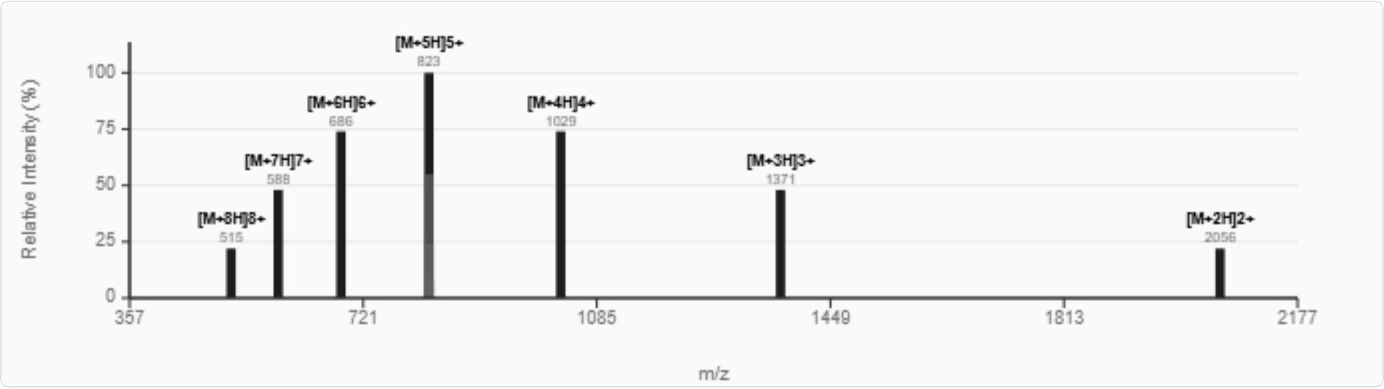


Column: C18, 250×4.6 mm, 5µm **Mobile phase:** H_2O/ACN + 0.1% TFA **Detection:** UV 220 nm

RT: 18.90 min **Purity:** > 99.5%

Mass Spectrum

ELECTROSPRAY IONIZATION MASS SPECTROMETRY · IDENTITY CONFIRMATION



Ionization: ESI+, positive mode **Instrument:** LC-MS/MS **Observed:** 4110 m/z **Identity:** Confirmed ✓