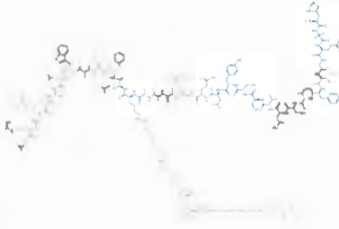



## Certificate of Analysis



Compound:	Semaglutide	Analysis Date:	13-Sep-2024
CAS:	910463-68-2	Client:	BioPep
Manufacturer:	BioPep		
Client Sample ID:	Lot 24253		
Lot:	SG 5mg 1 vial	Test Reference:	2409026
Sample Image:			

Sample Testing	Test Method	Acceptance Criteria	Result
Appearance	Visual	White to off-white powder	Pass
Identification by Retention Time	TM-1002	0.98 - 1.02	1.00
Identification by UV Spectral Comparison to Reference Standard	TM-1002	≥ 950	1000
Vial Content (mg)	TM-1002	Per customer specification	4.89mg
Purity	TM-1002	Per customer specification	99.816%

- **Appearance:** This check is to visually verify that the sample matches the expected sample properties. If the sample appearance was different than listed, TrustPointe would reach out to the customer to verify that the correct samples were received.
- The Following Tests Are Performed Using HPLC (High Performance Liquid Chromatography):
  - **Identification by Retention Time:** This is an identification test in which the retention time of the sample is compared to the average retention time of five reference standard injections.
  - **Identification by UV Spectral Comparison to Reference Standard:** This is an identification test in which the UV spectrum of the sample is compared to the UV spectrum of the standard.
  - **Vial Content (mg):** This is the amount of the compound in the vial we tested determined by HPLC analysis.
  - **Purity:** This is purity of the sample, calculated by integrating compounds that elute under the test method parameters and within the capabilities of HPLC-UV.



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Method & System Suitability	Test Method	Acceptance Criteria	Result
Standard + SSC Injection RSD	TM-1002	Standard Bracket Area RSD $\leq$ 2.0%	0.2%
Coelution Control (Peak Purity)	TM-1002	> 950	999

- **Standard + SSC Injection RSD:** This value shows that the HPLC system was running properly throughout your testing. The %RSD of the standard injections performed before your sample and the standard injection performed after your sample is calculated to ensure there were no system errors during your run. Although system errors such as leaks, a line running dry, air bubbles, etc. are rare, it's important that we demonstrate no errors occurred during analysis.
- **Coelution Control (Peak Purity):** This value demonstrates that there is no co-elution occurring during analysis. We receive samples from a multitude of manufacturers and each has their own recipe (stabilizers, solubilizers, fillers, etc) in their process. This measurement ensures that none of these other components interfere with the analysis. In short, this number confirms that the method is working properly and only analyzing the target compound.

All testing services provided by TrustPointe Analytics LLC are subject to our [Terms of Service](#). Learn [How To Read a COA](#).

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