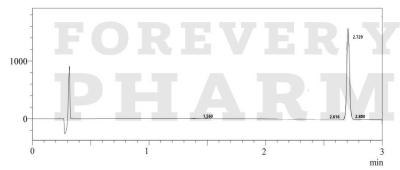


# **CERTIFICATE OF ANALYSIS**

SAMPLE	<b>INFORM</b>	IATION
--------	---------------	--------

Product Name	Semaglutide 5mg	
Client Name/Lot		
No.	Biopep LLC / Lot# 25076	
_		
Sequence H-His-Aib	H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(C18-diacid-gamma-Glu-	
	OEG-OEG)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH	
Dissolution		
condition	100% H2O	
Length	31AA	
Molecular	4113.6 g/mol	
Weight	4115.0 g/1101	

## **CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	1.560	0.120
2	2.616	0.031
3	2.729	99.805
4	2.800	0.044

# **TEST RESULTS**

	Specifications	Results
Strength	5.00 mg	6.77 mg
Appearance	e White to off white lyophilized Confor	
Purity	≥98.0%	99.8%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

#### **TEST PARAMETERS**

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5μm C18 (4.6*250mm*5 μm)
Dissolution Method	100% H2O
Injection Volume	30uL

## CONCLUSION

One 3ml contained a white lyophilized powder and has a blue cap with silver crimp and is Lot# 25076.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% semaglutide (6.77 mg), and the rest are impurities of minor significance.

# **CERTIFIED BY:**

Tread

Dane Fredericksen Analytical Chemist 03/24/2025



\*\*Verify the validity of test results by contacting support@foreveryoungpharmacy.com\*\*