



**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

<b>Product Name</b>	Semaglutide 20 mg
<b>Client Name/Lot No.</b>	AvivaAmino / Lot# N/A
<b>Sequence</b>	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
<b>Dissolution condition</b>	100% H2O
<b>Length</b>	31AA
<b>Molecular Weight</b>	4113.6 g/mol

**TEST RESULTS**

	<b>Specifications</b>	<b>Results</b>
<b>Strength</b>	20.00 mg	20.25 mg
<b>Appearance</b>	White to off white lyophilized powder	Conforms
<b>Purity</b>	≥98.0%	99.8%
<b>pH value</b>	6.0-8.0	8.0
<b>Impurity</b>	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

**TEST PARAMETERS**

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

**CONCLUSION**

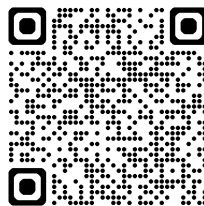
One 3ml vial contained a white lyophilized powder and has a blue cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% semaglutide (20.25 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**

*FY Analytics*

Forever Young Analytics  
02/12/2026



**\*\*Verify the validity of test results by using the above QR code or contacting support@fyanalytics.com\*\***

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