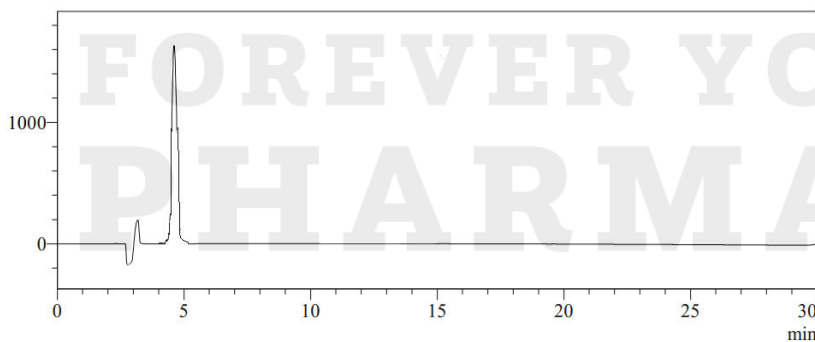


CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Tirzepatide 20mg
Client Name/Lot No.	Advanced Research LLC
Sequence	Tyr-{Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{Aib}-Leu-Asp-Lys-Ile-Ala-Gln-{diacid-C20-gamma-Glu-(AEEA)2-Lys}-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2
Dissolution condition	100% H2O
Length	39AA
Molecular Weight	4813.5 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	4.992	99.616

TEST RESULTS

	Specifications	Results
Strength	20.00 mg	20.48 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.4%

TEST PARAMETERS

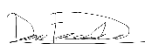
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20uL

CONCLUSION

One 3ml vial contained a white lyophilized powder with a translucent purple cap and a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% tirzepatide (20.48 mg), and the rest are unidentified impurities.

CERTIFIED BY:



Dane Fredericksen
Analytical Chemist
07/17/2025



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