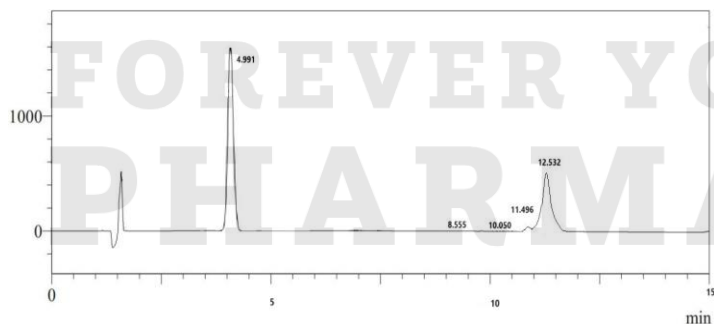


**CERTIFICATE OF ANALYSIS**

**SAMPLE INFORMATION**

<b>Product Name</b>	Cagrilitinide 5mg and Tirzepatide 5mg
<b>Client Name/Lot No.</b>	Forever Young Pharmacy / Lot 2412CT10
<b>Sequence</b>	<b>Cagrilitinide:</b> {Eicosanedioic acid-γ-Glu}-Lys-Cys-Asn-Thr-Ala-Thr-Cys-Ala-Thr-Gln-Arg-Leu-Ala-Glu-Phe-Leu-Arg-His-Ser-Ser-Asn-Asn-Phe-Gly-Pro-Ile-Leu-Pro-Pro-Thr-Asn-Val-Gly-Ser-Asn-Thr-Pro-NH2 <b>Tirzepatide:</b> 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-Ser-NH2
<b>Dissolution condition</b>	100% H2O
<b>Length</b>	Cagrilitinide: 40AA Tirzepatide: 39AA
<b>Molecular Weight</b>	Cagrilitinide: 4051.1 g/mol Tirzepatide: 4813.50 g/mol

**CHROMATOGRAM**



Peak #	Ret. Time	Area %
1	4.991	53.231
2	8.555	0.145
3	10.050	0.131
4	11.496	0.327
5	12.532	46.166

**TEST RESULTS**

	Specifications	Results
<b>Strength</b>	Cagrilitinide: 5.00 mg Tirzepatide: 5.00 mg	Cag: 5.05 mg Tirz: 5.62 mg
<b>Appearance</b>	White to off white lyophilized powder	Conforms
<b>Purity</b>	≥98.0%	99.4%
<b>pH value</b>	6.0-8.0	7.0
<b>Impurity</b>	Single Impurity ≤1.0%	0.3%
	Total Impurity ≤2.0%	0.6%

**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>	214nm
<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>	20uL

**CONCLUSION**

One 3ml vial contains a white lyophilized powder and has a black cap with LOT# 2412CT10.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.4% cagrilitinide (5.05 mg) and tirzepatide (5.62 mg), and the rest are impurities of minor significance.

**CERTIFIED BY:**



Dane Fredericksen  
Analytical Chemist

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