FOREVER YOUNG PHARMACY

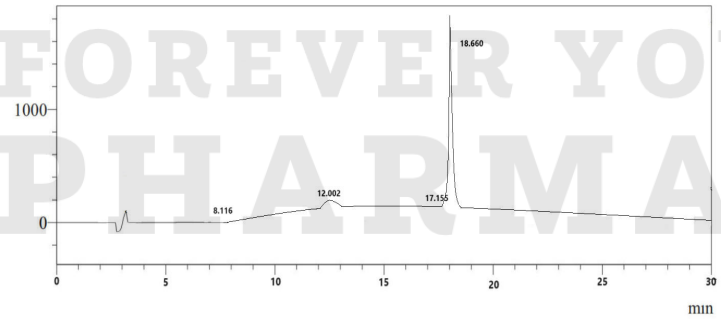
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Cagrilitinide 5mg
Client Name/Lot No.	Forever Young Pharmacy
Sequence	{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
Dissolution condition	100% H2O
Length	40AA
Molecular Weight	4051.1 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	8.116	0.269
2	12.002	0.597
3	17.155	0.009
4	18.660	99.125

TEST RESULTS

	Specifications	Results
Strength	5.00 mg	5.69 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.1%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.6%
	Total Impurity ≤2.0%	0.9%

TEST PARAMETERS

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	214nm
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 and has a clear cap with silver foil. The Lot# is 241211.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.1% cagrilitinide (5.69 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****