FOREVER YOUNG PHARMACY

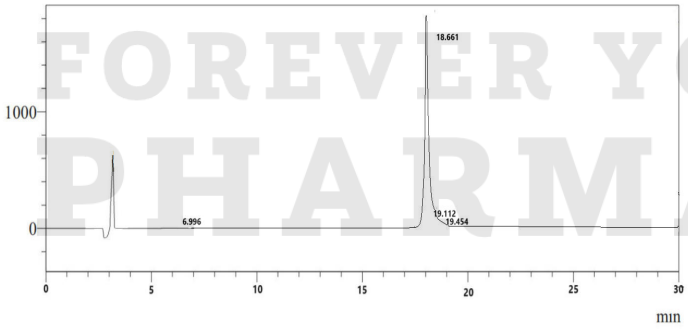
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Cagrilitinide 5mg
Client Name/Lot No.	Step One Ventures LLC / Batch# EY030125S1V
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	6.996	0.098
2	18.661	0.091
3	19.112	99.578
4	19.454	0.233

TEST RESULTS

	Specifications	Results
Strength	5.00 mg	5.22 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	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 translucent yellow cap with silver foil and is Batch# EY030125S1V.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% cagrilitinide (5.22mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
03/06/2025

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