FOREVER YOUNG PHARMACY

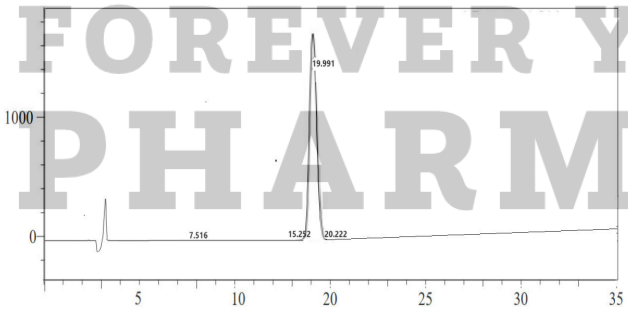
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Retatrutide 10 mg
Client Name/Lot No.	Biopep LLC / Lot# 25075
Sequence	Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{α-Me-Leu}-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}- Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala- Pro-Pro-Pro-Ser-NH2 (sodium salt)
Dissolution condition	100% H2O
Length	39AA
Molecular Weight	4813.6 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	7.516	0.147
2	15.252	0.062
3	19.991	99.630
4	20.222	0.140

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	11.09 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
pH value	6.0-8.0	7.5
Impurity	Single Impurity ≤1.0%	0.1%
	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	30uL

CONCLUSION

One 3ml vial contained a white lyophilized powder and has a clear cap with red crimp and is Lot# 25075.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% retatrutide (11.09 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
03/24/2025

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