

CERTIFICATE OF ANALYSIS

Product Name	Tesamorelin 5mg
Client/Lot No.	Forever Young Pharmacy / LOT# 25TES05
Sequence	trans-hexenoyl-acid-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH ₂
Dissolution condition	100% H ₂ O
Length	44AA
Molecular Weight	5135.86 g/mol

	Specifications	Results
Strength	5.00mg	5.89mg
Appearance	White to off-white lyophilized powder	Conforms
pH value	6.0-8.0	7.0
Purity	≥98.0	99.5%
Impurity	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.5%

Conclusion

- One 3 mL vial contained a white lyophilized powder of unknown substance thought to be tesamorelin 5mg. The vial has white cap with silver crimp and is LOT#25TES05.
- The sample was analyzed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.5% tesamorelin (5.89mg) and the rest are impurities of no known significance.

Certified by:

Analytical Chemist



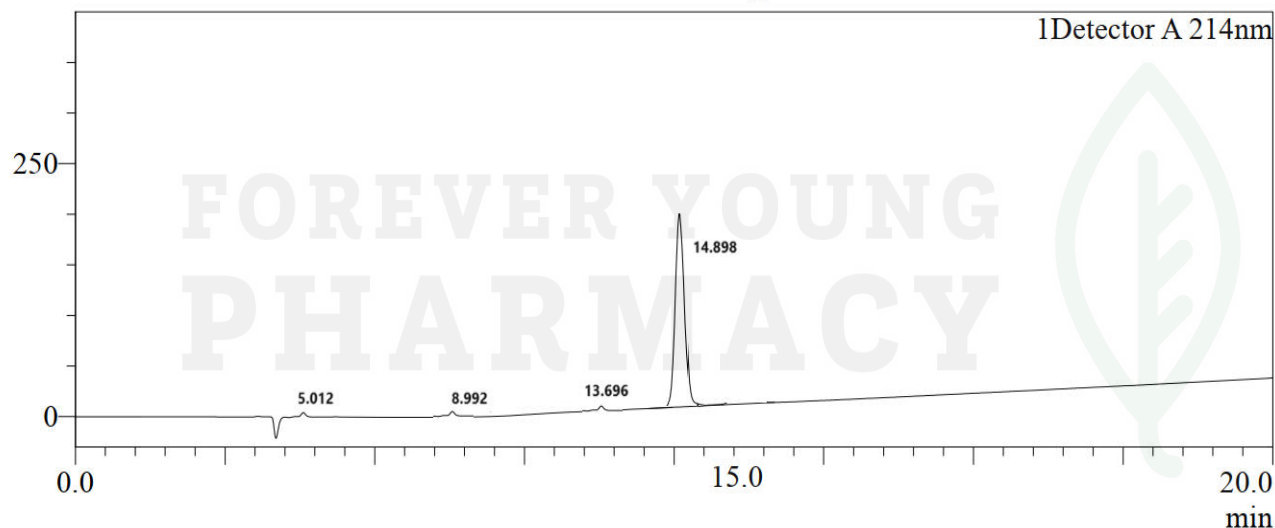


SAMPLE INFORMATION

Name : Tesamorelin 5mg
 Sequence : trans-hexenoyl-acid-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH₂
 Client/Lot. No : Forever Young Pharmacy / LOT# 2410093
 Pump A : 0.1% trifluoroacetic in 100% water
 Pump B : 0.1% trifluoroacetic in 100% acetonitrile
 Total Flow : 0.9 ml/min
 Wavelength : 214nm
 Analytical column type : Agilent ZORBAX StableBond 5 µm C18 (2) (4.6*250mm*5 µm)
 Dissolution method : 100%H₂O
 Inj. Volume : 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	30
5.00	Pumps	B.Conc	45
10.00	Pumps	B.Conc	95
15.00	Pumps	B.Conc	45
20.00	Pumps	B.Conc	30
25.00	Controller	Stop	

Chromatogram



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	5.012	5111	1669	0.158
2	8.992	5956	1702	0.177
3	13.696	8966908	77852269	99.511
4	14.898	5002	1650	0.154

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