FOREVER YOUNG PHARMACY

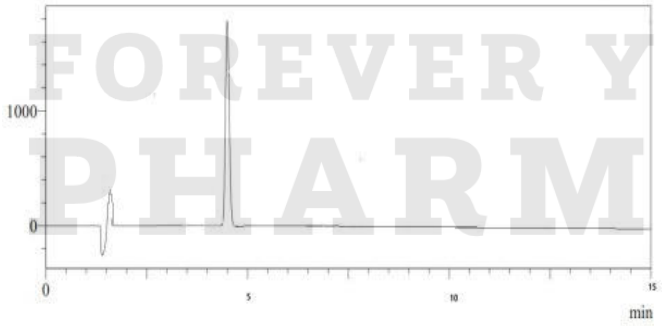
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Gonadorelin 5 mg
Client Name/Lot No.	Ascend Nutrition LLC / Lot# 39331
Sequence	Glu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-Gly-NH2
Dissolution condition	100% H2O
Length	10AA
Molecular Weight	1182.32 g/mo

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	5.262	99.714

TEST RESULTS

	Specifications	Results
Strength	5.00 mg	4.91 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.7%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.3%

TEST PARAMETERS

Pump A	0.05M Sodium Phosphate in water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	215m
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 black flip off cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.7% Gonadorelin (4.91 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
09/24/2025

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