

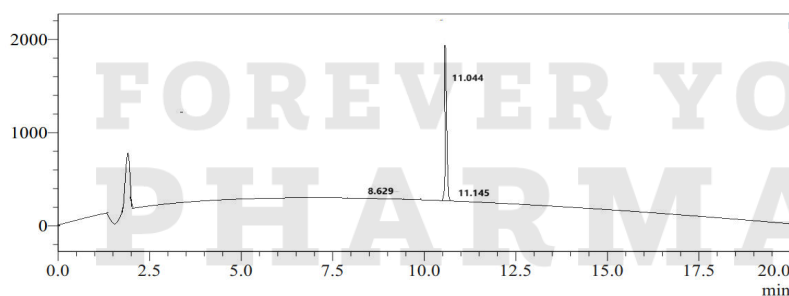


CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	TB-500 (TB4) 10mg
Client Name/Lot No.	Step One Ventures LLC
Sequence	Ac-Ser-Asp-Lys-Pro-Asp-Met-Ala-Glu-Ile-Glu-LysPhe-A sp-Lys-Ser-Lys-Leu-Lys-Lys-Thr-Glu-ThrGln-Glu-Lys-A sn-Pro Leu-Pro-Ser-Lys-Glu-Thr-IleGlu-Gln-Glu-Lys-Gl n-Ala-Gly-Glu-Ser
Dissolution condition	100% H2O
Length	43AA
Molecular Weight	4963.4g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	8.629	0.387
2	11.044	0.411
3	11.145	99.202

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	11.55 mg
Appearance	White to off white powder	Conforms
Purity	≥98.0%	99.2%
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	0.9 ml/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 3 mL contained a white lyophilized powder and has a dark blue cap with a black foil.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.2% TB-500 (11.55 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
12/18/2024

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