

**CERTIFICATE OF ANALYSIS**

Product Name	PE 22-28 (Mini-Spadin)
Client/Lot No.	Forever Young Pharmacy / Lot# 25PE1001
Sequence	Proline – Glutamine – Glycine – Aspartic acid – Asparagine – Cysteine – Cysteine
Dissolution condition	100% H2O
Length	7AA
Molecular Weight	773.89 g/mol

	Specifications	Results
Strength	10.00 mg	10.79 mg
Appearance	White to off-white lyophilized powder	Conforms
pH value	6.0-8.0	7.0
Purity	≥98.0	99.3%
Impurity	Single Impurity ≤1.0%	0.4%
	Total Impurity ≤2.0%	0.7%

Conclusion

One 3 mL vial contained a white lyophilized powder and has a blue flip off cap, silver crimp, and is Lot# 25PE1001.

The sample was analyzed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.3% PE 22-28 (10.79 mg), and no significant impurities were identified.

Certified by:

Analytical Chemist

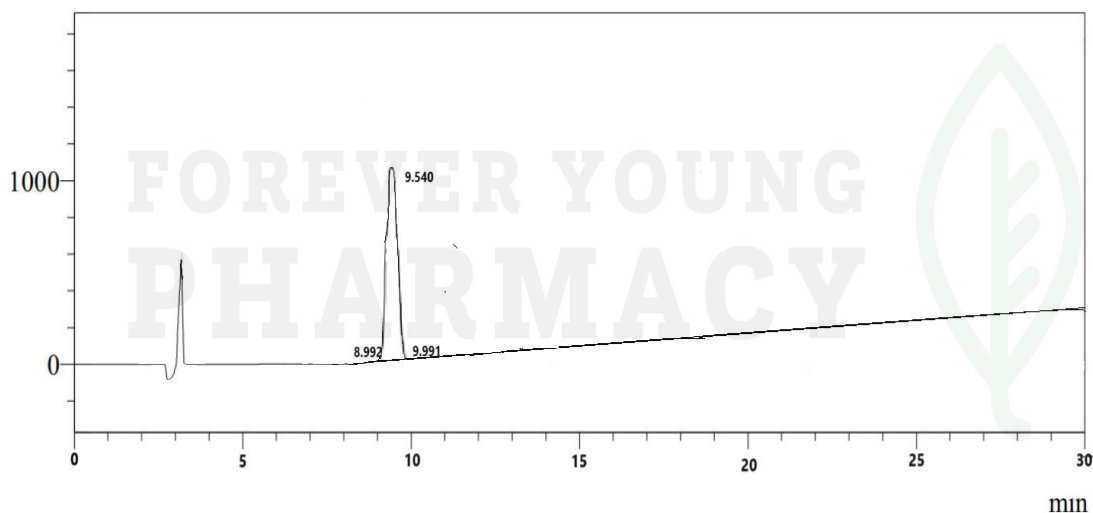




SAMPLE INFORMATION

Name :PE 22-28 10mg
 Sequence :Tyr-{Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{Aib}-
 Leu-Asp-Lys-Ile-Ala-Gln-{diacid-C20-gamma-Glu-
 (AEEA)2-Lys}-Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-
 Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2
 Client Name/Lot. No :Forever Young Pharmacy / Lot# 25PE1001
 Pump A :0.1% TFA in 100% Water
 Pump B :0.1% TFA in 100% Acetonitrile
 Total Flow :1.0 ml/min
 Wavelength :220nm
 Analytical column type :Agilent ZORBAX StableBond 5 µm C18 (2) (4.6*250mm*5 µm)
 Dissolution method :100%H2O
 Inj. Volume :20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	30
5.00	Pumps	B.Conc	75
10.00	Pumps	B.Conc	95
15.00	Pumps	B.Conc	75
20.00	Pumps	B.Conc	30
25.00	Controller	Stop	



Peak Table

Detector A 220nm

Peak#	Ret. Time	Area	Height	Area%
1	8.992	53214	50061	0.411
2	9.540	7656571	9124541	99.332
3	9.991	33169	49851	0.257

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