FOREVER YOUNG PHARMACY

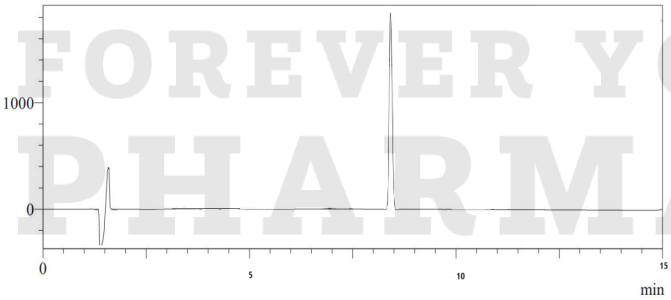
The Science of Staying Young

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Melanotan-1 10 mg (Afamelanotide)
Client Name/Lot No.	Certified Peptides
Sequence	Ac-Nle-cyclo [Asp-His-D-Phe-Arg-Trp-Lys]-NH2
Dissolution condition	100% H2O
Length	13AA
Molecular Weight	1646.88 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	8.422	99.774

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	10.47 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.8%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

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	20uL

CONCLUSION

One 3ml vial contained a white lyophilized powder and has a purple cap with a black crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% melanotan-1 (10.47 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
08/13/2025

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