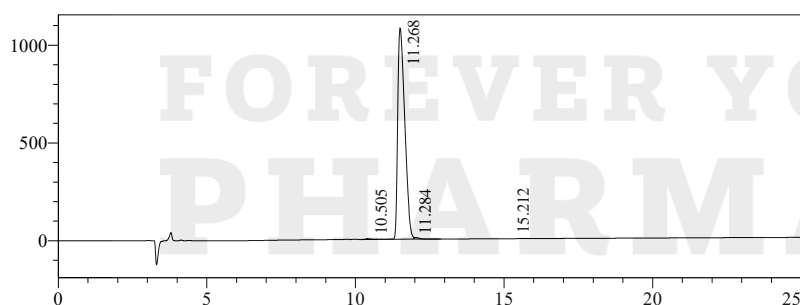


CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	MOTS-C 10 mg
Client Name/Lot No.	Biopep Research Peptides / Lot# 25073
Sequence	Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg
Dissolution condition	100% H2O
Length	16AA
Molecular Weight	2174.60 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	10.505	0.030
2	11.268	99.640
3	11.284	0.201
4	15.212	0.129

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	11.15 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.6%
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	1.0ml/min
Wavelength	214nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20uL

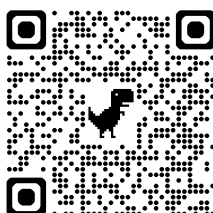
CONCLUSION

One 3ml contained a white lyophilized powder, has a clear cap and silver crimp and is Lot# 25073.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% MOTS-C (11.22 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

Dane Fredericksen
Analytical Chemist
03/17/2025



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