FOREVER YOUNG PHARMACY

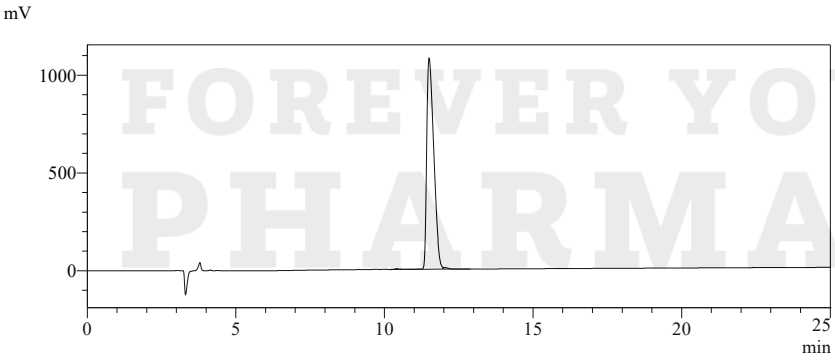
The Science of Staying Young

# CERTIFICATE OF ANALYSIS

## SAMPLE INFORMATION

| | |
|---|---|
| **Product Name** | MOTS-C 20 mg |
| **Client Name/Lot No.** | Certified Peptides |
| **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 | 11.272 | 99.706 |

## TEST RESULTS

| | Specifications | Results |
|---|---|---|
| **Strength** | 20.00 mg | 20.49 mg |
| **Appearance** | White to off white lyophilized powder | Conforms |
| **Purity** | ≥98.0% | 99.7% |
| **pH value** | 6.0-8.0 | 6.5 |
| **Impurity** | Single Impurity ≤1.0% | 0.1% |
| | Total Impurity ≤2.0% | 0.3% |

## 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 and has a red cap with a red crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.7% MOTS-C (20.49 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****