

CERTIFICATE OF ANALYSIS**SAMPLE INFORMATION**

| | |
|-----------------------|--|
| Product Name | MOTS-C 10 mg |
| Client Name/Lot No. | Kerisite (Shenzhen) International Trading Co. Ltd. - peptide@kerisite.com / Batch# MS10-10mg |
| Sequence | Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg |
| Dissolution condition | 100% H ₂ O |
| Length | 16AA |
| Molecular Weight | 2174.60 g/mol |

CHROMATOGRAM

| Peak # | Ret. Time | Area % |
|--------|-----------|--------|
| 1 | 10.555 | 0.061 |
| 2 | 11.270 | 99.736 |
| 3 | 11.313 | 0.098 |
| 4 | 14.140 | 0.105 |

TEST RESULTS

| | Specifications | Results |
|------------|---------------------------------------|----------|
| Strength | 10.00 mg | 10.91 mg |
| Appearance | White to off white lyophilized powder | Conforms |
| Purity | ≥98.0% | 99.7% |
| pH value | 6.0-8.0 | 7.0 |
| 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% H ₂ O |
| Injection Volume | 20μL |

CONCLUSION

One 3ml contained a white lyophilized powder with a light purple cap with silver crimp and is Batch# MS10-10mg.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.7% MOTS-C (10.91 mg), and the rest are impurities of minor significance.

CERTIFIED BY:

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