

# TEST REPORT

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Task Number > #2601028

Received Date > 04/27/2026

COA Key > 2601028

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**Authentic Results**  
Results shall be open and transparent.



**Accurate Reports**  
Accurate data.verified multiple times



**Quality You Can Trust**  
Rigorous testing. Reliable results.

Sample MOTS-c 10mg

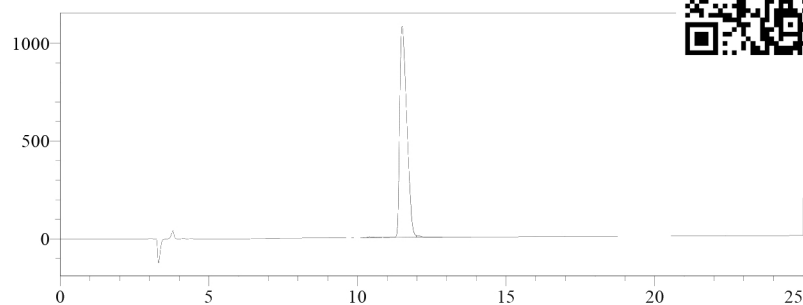
Batch 26010

Sample description >

See picture or pictures attached.

Tests requested >

Assessment of a peptide vial or vials.



| Peak # | Ret. Time | Area % |
|--------|-----------|--------|
| 1      | 11.270    | 99.600 |

## TEST RESULTS

|            | Specifications                        | Results  |
|------------|---------------------------------------|----------|
| Strength   | 10.00 mg                              | 10.54 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 with a light purple cap and a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.6% MOTS-C (10.54 mg), and the rest are impurities of minor significance.

Research and Formulation Chemist

*Bisbanz*

This purity analysis was conducted using UPLC/MS under standard laboratory conditions, following validated analytical protocols to ensure accurate and reliable results. This analysis is intended for informational and research applications.