

# Certificate Of Analysis

NO:024-M83-TSX

|                           |  |                           |  |
|---------------------------|--|---------------------------|--|
| <b>Peptide Name</b>       | MOTS-c (Human)   |                           |  |
| <b>Molecular Formula</b>  | C <sub>101</sub> H <sub>152</sub> N <sub>28</sub> O <sub>22</sub> S <sub>2</sub> | <b>Manufacturing</b>      | 2025/03/20                                 |
| <b>Molecular Weight</b>   | 2174.59  | <b>Report Date</b>        | 2025/03/23                                 |
| <b>CAS No.</b>            | 1627580-64-6   | <b>Re-test Date</b>       | 2027/03/23                                 |
| <b>Appearance</b>         | white powder   | <b>Packing size</b>       | 1Kg/bag                                    |
| <b>Reference Standard</b> | Reference Ch.p   | <b>Storage conditions</b> | Cool dry<br>place( away from<br>the light) |
| <b>Sequence</b>           | Met-Arg-Trp-Gln-Glu-Met-Gly-Tyr-Ile-Phe-Tyr-Pro-Arg-Lys-Leu-Arg                  |                           |  |

| Tests                        | Specifications | Results  |
|------------------------------|----------------|----------|
| Appearance                   | White powder   | Conforms |
| MS (ESI)                     | Conforms       | Conforms |
| Purity(HPLC)                 | ≥98.0%         | 99.02%   |
| Acetate Content(HPLC)        | ≤12.0%         | 10.83%   |
| Water Content (Karl Fischer) | ≤10.0%         | 2.57%    |
| Peptide Content (N%)         | ≥80.0%         | 84.7%    |
| Mass Balance                 | 95.0~105.0%    | Conforms |

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use  
Not For Direct Human Application

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