

# Certificate Of Analysis

NO:024-L81-TSX

|                     |                                                                                                                                                          |                    |                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------|
| Peptide Name        | LL-37                                                                                                                                                    |                    |                                                |
| Molecular Formula   | C <sub>205</sub> H <sub>340</sub> N <sub>60</sub> O <sub>53</sub>                                                                                        | Manufacturing      | 2025/03/22                                     |
| Molecular Weight    | 4493.74                                                                                                                                                  | Report Date        | 2025/02/26                                     |
| CAS No.             | 597562-32-8                                                                                                                                              | Re-test Date       | 2027/02/26                                     |
| Appearance          | white powder                                                                                                                                             | Packing size       | 1Kg/bag                                        |
| Renference Standard | Renference Ch.p                                                                                                                                          | Storage conditions | Cool dry place( 2-8°C,<br>away from the light) |
| Sequence            | H-Ser-Glu-Thr-Arg-Pro-Val-Leu-Asn-Arg-Leu-Phe-Asp-Lys-Ile-Arg-Gln-Val-Ile-Arg-Lys-Phe-Glu-Lys-Gly-Ile-Lys-Glu-Lys-Ser-Lys-Arg-Phe-Phe-Asp-Gly-Leu-Leu-OH |                    |                                                |

| Tests                        | Specifications | Results  |
|------------------------------|----------------|----------|
| Appearance                   | White powder   | Conforms |
| MS (ESI)                     | Conforms       | Conforms |
| Purity(HPLC)                 | ≥98.0%         | 99.06%   |
| Acetate Content(HPLC)        | <12.0%         | 6.42%    |
| Water Content (Karl Fischer) | ≤10.0%         | 5.16%    |
| Peptide Content (N%)         | ≥80.0%         | 86.5%    |
| 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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