

Tesamorelin GHRH analog · RUO

|                   |                                                                     |                    |                                                      |
|-------------------|---------------------------------------------------------------------|--------------------|------------------------------------------------------|
| PRODUCT           | Tesamorelin                                                         | APPEARANCE         | White or off-white powder                            |
| LOT / BATCH NO.   | CP7825110101                                                        | MANUFACTURING DATE | 2025-10-13                                           |
| MOLECULAR FORMULA | C <sub>221</sub> H <sub>366</sub> N <sub>72</sub> O <sub>67</sub> S | RETEST DATE        | 2027-10-12                                           |
| MOLECULAR WEIGHT  | 5135.86 g/mol                                                       | STORAGE            | -20°C, keep in tight container, protected from light |
|                   |                                                                     | REPORT DATE        | 2025-11-07                                           |

| #  | TEST                     | SPECIFICATION                                                                                                              | RESULT                          |
|----|--------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 1  | Appearance               | White or off-white powder                                                                                                  | Conforms                        |
| 2  | Related Substance        | Total Impurities: ≤2.0%<br>Maximum single impurity: ≤1.0%                                                                  | 0.78%<br>0.45%                  |
| 3  | Identification by MS     | 5135.86±5                                                                                                                  | Conforms                        |
| 4  | Water Content (K.F)      | 8.0%                                                                                                                       | 3.3%                            |
| 5  | Peptide Purity (By HPLC) | ≥98.0%                                                                                                                     | 99.22%                          |
| 6  | pH                       | 4.0-6.0(C=1mg/ml)                                                                                                          | 4.9                             |
| 7  | Solubility               | 50mg/ml in water                                                                                                           | Conforms                        |
| 8  | Bacterial Endotoxins     | 5EU/mg                                                                                                                     | Conforms                        |
| 9  | Residual solvent         | Acetonitrile410ppm<br>Methylene chloride600ppm<br>N,N-Dimethylformamide880ppm<br>Isopropyl ether5000ppm<br>Methanol3000ppm | 256<br>N.D<br>N.D<br>N.D<br>N.D |
| 10 | Acid group Ions          | Trifluoroacetate ion0.1%<br>Acetic acid12.0%                                                                               | N.D<br>9.4%                     |
| 11 | Microbial limits         | TAMC1000cfu/g<br>TYMC100cfu/g                                                                                              | Conforms<br>Conforms            |
| 12 | Peptide content          | ≥80.0%                                                                                                                     | 86.6%                           |



AUTHENTICITY VERIFICATION  
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Batch analytical data reviewed & released under NST Research Quality Control

NST Research

Quality Control Department · Date: 2025-11-07

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