

# Certificate Of Analysis

NO:024-T85-TSX

| Peptide Name        | Tirzepatide                                                                                                                                                                                                      |                    |                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|
| Molecular Formula   | C <sub>225</sub> H <sub>348</sub> N <sub>48</sub> O <sub>68</sub>                                                                                                                                                | Manufacturing      | 2026/03/17     |
| Molecular Weight    | 4813.45                                                                                                                                                                                                          | Report Date        | 2026/03/21     |
| CAS No.             | 2023788-19-2                                                                                                                                                                                                     | Re-test Date       | 2028/03/21     |
| Appearance          | white powder                                                                                                                                                                                                     | Packing size       | 1Kg/bag        |
| Renference Standard | Renference Ch.p                                                                                                                                                                                                  | Storage conditions | -15°C to -25°C |
| Sequence            | Tyr- {Aib} -Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile- {Aib} -Leu-Asp-Lys-Ile-Ala-Gln- {diacid-gamma-Glu-(AEEA)2-Lys} -Ala-Phe-Val-Gln-Trp-Leu-Ile-Ala-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH <sub>2</sub> |                    |                |

| Tests                        | Specifications                     | Results      |
|------------------------------|------------------------------------|--------------|
| Appearance                   | White powder                       | Conforms     |
| Solubility                   | Soluble in water                   | Conforms     |
| Purity(HPLC)                 | ≥99.0%                             | 99.2%        |
| Water Content (Karl Fischer) | ≤8.0%                              | 4.0%         |
| Related Substance (ByHPLC)   | Total Impurities(%) ≤ 1.5%         | 0.8%         |
|                              | Largest Single Impurity (%) ≤ 0.5% | 0.31%        |
| Sodium ion                   | ≤2%                                | 1.5%         |
| Residual TFA                 | ≤0.5%                              | N.D.         |
| Residual Acetonitrile        | ≤410ppm                            | 181ppm       |
| Microbiological Examination  | TAMC≤100cfu/g                      | TAMC≤10cfu/g |
|                              | TYMC≤100cfu/g                      | TYMC≤10cfu/g |
| Bacterial endotoxin          | < 10EU/mg                          | < 10EU/mg    |

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Limit To Research And Submission Use  
Not For Direct Human Application

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