

# Certificate of Analysis

|                           |   |                          |            |
|---------------------------|---|--------------------------|------------|
| <b>Product Name</b>       | <b>Tirzepatide</b>  |                          |            |
| <b>Molecular Formula</b>  | C <sub>225</sub> H <sub>348</sub> N <sub>48</sub> O <sub>68</sub> | <b>Batch No.</b>         | 2025060601 |
| <b>Molecular Weight</b>   | 4813.45   | <b>Date of Producing</b> | 2025/06/23 |
| <b>Date of Survey</b>     | 2025/07/07  | <b>Retest Date</b>       | 2027/06/22 |
| <b>Reference Standard</b> | Enterprise Standard   | <b>Specification</b>     | 30mg       |

| TEST   | SPECIFICATION                           | RESULT   |
|--|---|----------|
| <b>Appearance</b>  | White to off white powder or loose lump | Conform  |
| <b>Solubility</b>  | Soluble in 50% aqueous acetonitrile     | Conform  |
| <b>Identity By MS</b>  | 4813.45±2.0Da                           | 4813.2Da |
| <b>Water Content(Karl Fischer)</b>                                     | ≤ 10.0%                                 | 4.4%     |
| <b>Sodium ion</b>  | ≤ 3.0%                                  | 1.2%     |
| <b>Assay</b>   | 95%-105%                                | 100.04%  |
| <b>Peptide Purity(By HPLC)</b>   | ≥ 98.0%                                 | 99.6%    |
| <b>Related Substance(By HPLC)</b>                                      | Total Impurities ≤ 2.0%                 | 0.3%     |
|  | Largest Single Impurity ≤ 1.0%          | 0.1%     |
| <b>Peptide Content</b>   | ≥85.0%                                  | 94.5%    |
| <b>Organic solvent residue</b>   | Acetonitrile ≤0.041%                    | < 0.041% |
|  | Dichloromethane ≤0.060%                 | < 0.060% |
|  | N,N-Dimethylformamide ≤0.088%           | < 0.088% |
| Conclusion the product conforms with enterprise standard and qualified |   |          |

The product is for compliant use only.