

# Certificate of Analysis

|                    |                                                                   |                   |            |
|--------------------|-------------------------------------------------------------------|-------------------|------------|
| Product Name       | Tirzepatide                                                       |                   |            |
| Molecular Formula  | C <sub>225</sub> H <sub>348</sub> N <sub>48</sub> O <sub>68</sub> | Batch No.         | 2025070601 |
| Molecular Weight   | 4813.45                                                           | Date of Producing | 2025/07/23 |
| Date of Survey     | 2025/08/06                                                        | Retest Date       | 2027/07/22 |
| Reference Standard | Enterprise Standard                                               | Specification     | 60mg       |

| TEST                                                                    | SPECIFICATION                           | RESULT   |
|-------------------------------------------------------------------------|-----------------------------------------|----------|
| Appearance                                                              | White to off white powder or loose lump | Conform  |
| Solubility                                                              | Soluble in 50% aqueous acetonitrile     | Conform  |
| Identity By MS                                                          | 4813.45±2.0Da                           | 4812.6Da |
| Water Content(Karl Fischer)                                             | ≤ 10.0%                                 | 3.3%     |
| Sodium ion                                                              | ≤ 3.0%                                  | 0.9%     |
| Assay                                                                   | 95%-105%                                | 100.02%  |
| Peptide Purity(By HPLC)                                                 | ≥ 98.0%                                 | 99.5%    |
| Related Substance(By HPLC)                                              | Total Impurities ≤ 2.0%                 | 0.5%     |
|                                                                         | Largest Single Impurity ≤ 1.0%          | 0.2%     |
| Peptide Content                                                         | ≥85.0%                                  | 95.3%    |
| Organic solvent residue                                                 | 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.

Analyst:Zhao Xinyu

QC Director: Xie Xiaofei

Checker:Shi Ru