



## Certificate of Analysis

|                              |   |                  |              |
|------------------------------|---|------------------|--------------|
| Product Name                 | Tirzepatide   | CAS No.          | 2023788-19-2 |
| Molecular Formula            | C225H348N48O68  | Molecular Weight | 4813.8       |
| Batch No.                    | XR23I 10801-2   | Date of Mfg      | Dec 17,2023  |
| Reference Standard           | Enterprise Standard   | Retest Date      | Dec 16,2025  |
| Storage                      | Place in an airtight container protected from light and keep the temperature between 2°C and 8°C. |                  |              |
| <b>TEST</b>                  | <b>SPECIFICATION</b>  | <b>RESULT</b>    |              |
| Appearance                   | White or almost white fluffy powder   | Conform          |              |
| Solubility                   | Soluble in water  | Conform          |              |
| Water Content (Karl Fischer) | < 8.0%  | 2.50%            |              |
| Sodium ion                   | < 5.0%  | 1.43%            |              |
| Acetic Acid                  | < 0.1%  | 0.07%            |              |
| Trifluoroacetic Acid         | < 0.5%  | 0.02%            |              |
| Peptide Purity (By HPLC)     | > 98.0%   | 99.34%           |              |
| Related Substance (By HPLC)  | Total Impurities(%) < 2.0%  | 0.66%            |              |
|                              | Largest Single Impurity(%) < 1.0%   | 0.37%            |              |
| Bacterial Endotoxins         | <10EU/mg  | Conform          |              |
| Assay                        | > 90.0%   | 96.10%           |              |
| Conclusion                   | This batch meets the internal standards of the enterprise and is qualified.                       |                  |              |

Note: this product is for research or production use only.