



山东瀚江化工有限公司  
Shandong Hanjiang Chemical Co., Ltd.

Certificate of Analysis

|  |  |                     |              |
|--|--|---------------------|--------------|
| Product Name :   | Tirzepatide  | CAS No. :           | 2023788-19-2 |
| Molecular Formula:                                     | C <sub>225</sub> H <sub>348</sub> N <sub>48</sub> O <sub>68</sub>  | Molecular Weight :  | 4813.45      |
| Quantity:  | 1.84g  | Manufacturing Date: | 2022-06-28   |
| Lot No:  | P220627-L007   | Retest Date :       | 2022-06-27   |
| Sequence   | Tyr-{Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{Aib}-Leu-Asp-Lys-Ile-Ala-Gln-{diacid-C20-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> |                     |              |
| Store at :   | Cool dry place( away from the light)   |                     |              |
| Tests :  | Specifications   | Results             |              |
| Appearance   | White powder   | Conforms            |              |
| Purity(HPLC)   | ≥98.0%   | 98.36%              |              |
| MS (ESI)   | Conforms   | Conforms            |              |
| Mass Balance   | 95.0~105.0%  | Conforms            |              |
| Conclusion: Complies with the manufacturer's standard. |  |                     |              |

|   |                      |            |
|---|----------------------|------------|
| Quality Control by :  | <i>Keshuang Wang</i> | 2022-06-28 |
| Quality Assured by:   | <i>Yining Chang</i>  | 2022-06-28 |
| For any technical enquiries please contact:info@gotopbio.com  |                      |            |
| For Material Safety Data information please email :sales@gotopbio.com   |                      |            |
| 1) The shipment contains Chemically Synthesized Peptide. (Synthetic Protein). It is not derived from human, animal or plant.  |                      |            |
| 2) The above material is to be used exclusively for in vitro laboratory research purposes only. It has no commercial resale value. It is NOT for Human or Animal Consumption. |                      |            |
| 3) The material is NOT hazardous, nor infectious. The material is NOT an immunogen. It is NOT a drug or a controlled substance.   |                      |            |
| 4) It does NOT contain any animal or cell culture derived products or additives such as Albumin or Serum.   |                      |            |
| The Material is NON-HAZARDOUS   |                      |            |
| For Laboratory Research Use Only  |                      |            |

