# Certificate of Analysis

Product Name : Tirzepatide

Storage Temperature : Freezer -20°C

Amino acid sequence: Y - Aib - E - G - T - F - T - S - D - Y - S - I - Aib - L - D - K - I - A - Q - K(γ-Glu-2xOEG-C20-diacid) - A - F - V - Q - W - L - I - A - G - G - P - S - S - G - A - P - P - P - S-$NH_2$

Molecular Formula : $C_{225}H_{348}N_{48}O_{68}$

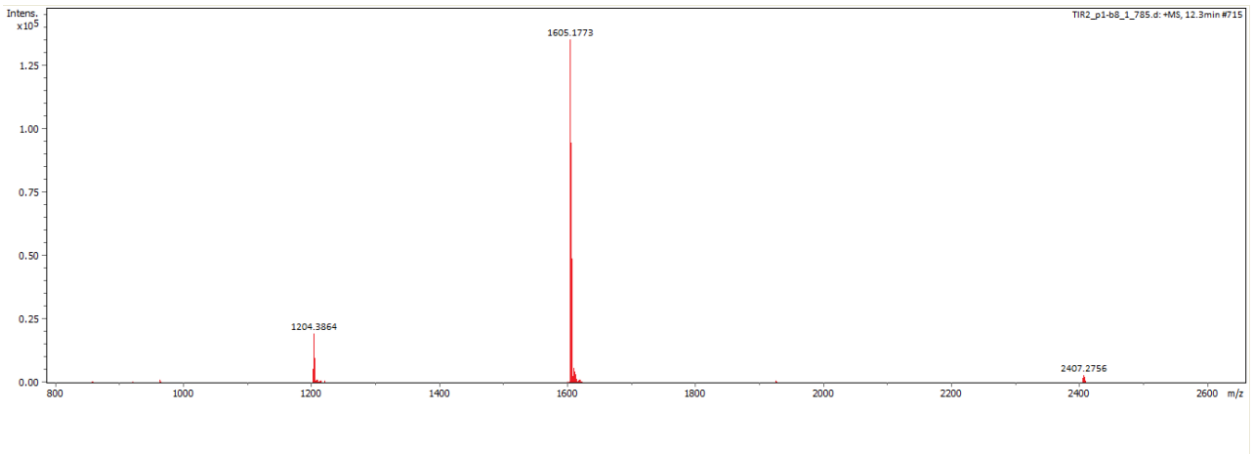
Formula Weight : 4813 g/mol

Counter Ion: acetate

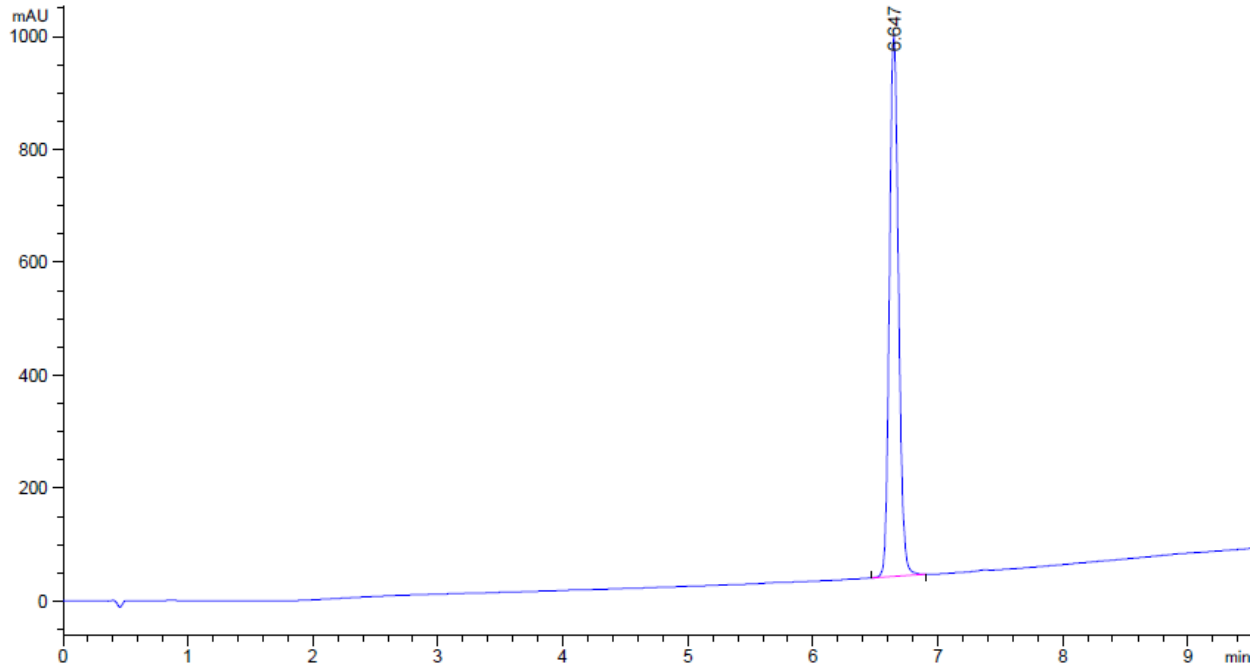
Quality Release Date : 01 Sept 2026

| Test | Specification | Result |
|---|---|---|
| Appearance (Color) | White to Off-White | White |
| Appearance (Form) | Lypholized Solid | Lypholized Solid |
| Purity (HPLC) | ≥ 95.0 % | 99.9% |
| Identity (ESI-QTOF mass spectrometry) | Confirmed | Confirmed |
| Water content | ≤ 5.0 % | 2.1% |
| Loss of drying | ≤ 1.0 % | 0.3% |
| Heavy metals | Pb ≤ 0.5ppm | N.D. |
| | As ≤ 0.5ppm | N.D. |
| | Hg ≤ 0.5ppm | N.D. |
| | Cd ≤ 0.5ppm | N.D. |
| E. coli | ≤ 2 MPN/g | N.D. |
| Salmonella | N.D. | N.D. |

## ESI-QTOF mass spectrometry analysis




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