



## CERTIFICATE OF ANALYSIS

### GENERAL INFORMATION

|           |                                                                                                                                                                                                                                |                     |                              |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------|
| Product:  | Retatrutide                                                                                                                                                                                                                    | Batch No.:          | AL-RETA-2602                 |
| MF.:      | $C_{221}H_{342}N_{46}O_{68}$                                                                                                                                                                                                   | Batch Quantity:     | 5g                           |
| MW.:      | 4731.42                                                                                                                                                                                                                        | Manufacturing Date: | 03/02/2026                   |
| CAS No.:  | 2381089-83-2                                                                                                                                                                                                                   | Expiry Date:        | 03/02/2029                   |
| Storage:  | Airtight; -20°C ± 5°C                                                                                                                                                                                                          | Appearance:         | White or almost white powder |
| Sequence: | Tyr-(Aib)-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-( $\alpha$ -Me-Leu)-Leu-Asp-Lys-(diacid-C20-gamma-Glu-(AEEA)-Lys)-Ala-Gln-(Aib)-Ala-Phe-Ile-Glu-Tyr-Ileu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH <sub>2</sub> |                     |                              |

### QUALITY CONTROL TEST RESULTS

| #  | TEST ITEM                | SPECIFICATION                                                                                                             | RESULT                    |
|----|--------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 1  | Appearance               | White or almost white powder                                                                                              | Conforms                  |
| 2  | Related Substance        | Total Impurities: ≤2.0% / Maximum single impurity: ≤1.0%                                                                  | 0.58% / 0.31%             |
| 3  | Identification by MS     | 4731.42 ± 4                                                                                                               | Conforms                  |
| 4  | Water Content (K.F)      | ≤8.0%                                                                                                                     | 2.6%                      |
| 5  | Sodium ion (IC)          | ≤5.0%                                                                                                                     | 1.0%                      |
| 6  | Solubility               | ≥5mg/ml (H <sub>2</sub> O)                                                                                                | Conforms                  |
| 7  | Peptide Content          | ≥80.0%                                                                                                                    | 93.5%                     |
| 8  | Peptide Purity (By HPLC) | ≥98.0%                                                                                                                    | 99.42%                    |
| 9  | Bacterial Endotoxins     | ≤10EU/mg                                                                                                                  | Conforms                  |
| 10 | pH                       | 7.0 - 9.0 (C=5mg/ml)                                                                                                      | 7.7                       |
| 11 | Residual solvent         | Methanol≤3000ppm, Acetonitrile≤410ppm, Methylene chloride≤600ppm, Isopropyl ethers≤5000ppm, N,N-Dimethylformamides≤880ppm | N.D, 68ppm, N.D, N.D, N.D |
| 12 | Microbial limits         | TAMC≤1000cfu/g, TYMC≤100cfu/g                                                                                             | Conforms, Conforms        |
| 13 | Acid group Ions          | Trifluoroacetate ion≤1000ppm, Phosphate ion≤1000ppm, Chloride ion≤1000ppm, Acetic acid≤1000ppm                            | N.D, N.D, N.D, N.D        |
| 14 | Escherichia Coli         | Not detected                                                                                                              | Conforms                  |
| 15 | Pseudomonas Aeruginosa   | Not detected                                                                                                              | Conforms                  |
| 16 | Staphylococcus Aureus    | Not detected                                                                                                              | Conforms                  |
| 17 | Salmonella               | Not detected                                                                                                              | Conforms                  |

Tested By: Technical Analyst

Audited By: Quality Assurance Manager

Date: 31/08/2026

AlloLabs Quality Control Department

(This peptide is only for lab research, not for human use)

