

# Certificate of Analysis

|                         |                                                                                                                                                                                          |                          |                                                                   |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------|
| <b>Product</b>          | Survodutide                                                                                                                                                                              | <b>CAS No.:</b>          | 2805997-46-8                                                      |
| <b>Product No.:</b>     | SUR10                                                                                                                                                                                    | <b>Molecular Formula</b> | C <sub>192</sub> H <sub>289</sub> N <sub>47</sub> O <sub>61</sub> |
| <b>Sequence</b>         | His-Ac4c-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Glu-Arg-Ala-Ala-Lys-Asp-Phe-Ile-Lys(Gly-Gly-Ser-Gly-Ser-Gly-γ-Glu-Octadecanedioic acid)-Trp-Leu-Glu-Ser-Ala-NH <sub>2</sub> |                          |                                                                   |
| <b>Molecular Weight</b> | 4231.7                                                                                                                                                                                   | <b>Quantity</b>          | 2.0g                                                              |
| <b>Batch No.</b>        | SUR10-26031501                                                                                                                                                                           | <b>Storage Temp.</b>     | -20±5°C                                                           |
| <b>Mfg. Date</b>        | Aug.16 <sup>th</sup> , 2025                                                                                                                                                              | <b>Retest Date</b>       | Aug.16 <sup>th</sup> , 2027                                       |

| 【ITEMS】                           |                      | 【SPECIFICATIONS】                                                                                                                       | 【RESULTS】    |
|-----------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Appearance</b>                 |                      | White or almost white powder                                                                                                           | White powder |
| <b>Solubility</b>                 |                      | Soluble in water                                                                                                                       | Conforms     |
| <b>Solution clarity and color</b> |                      | Clear and colorless liquid                                                                                                             | Conforms     |
| <b>Identification</b>             | <b>HPLC</b>          | The retention time of the principal peak of the test solution corresponds to that of the reference solution, as obtained in the Assay. | Conforms     |
|                                   | <b>Mass spectrum</b> | 4231.7±1.0                                                                                                                             | 4231.9       |
| <b>Amino acid content</b>         |                      | His: 0.9~1.1                                                                                                                           | 1.0          |
|                                   |                      | Ac4c: Should be detected                                                                                                               | Conforms     |
|                                   |                      | Asp: 2.7~3.3                                                                                                                           | 3.0          |
|                                   |                      | Thr: 1.8~2.2                                                                                                                           | 2.0          |
|                                   |                      | Ser: 4.5~5.5                                                                                                                           | 4.8          |
|                                   |                      | Glu: 3.6~4.4                                                                                                                           | 4.0          |
|                                   |                      | Gly: 4.5~5.5                                                                                                                           | 5.0          |
|                                   |                      | Ala: 2.7~3.3                                                                                                                           | 3.0          |
|                                   |                      | Ile: 0.9~1.1                                                                                                                           | 1.0          |
|                                   |                      | Leu: 1.8~2.2                                                                                                                           | 2.0          |
|                                   |                      | Tyr: 1.8~2.2                                                                                                                           | 2.0          |
|                                   |                      | Phe: 1.8~2.2                                                                                                                           | 2.0          |
|                                   |                      | Lys: 2.7~3.3                                                                                                                           | 3.0          |
|                                   |                      | Arg: 0.9~1.1                                                                                                                           | 1.0          |
|                                   |                      | Trp: 0.9~1.1                                                                                                                           | 1.0          |
| <b>Related substances (HPLC)</b>  |                      | Largest single impurity: NMT 1.0%                                                                                                      | 0.28%        |
|                                   |                      | Total impurities: NMT 2.0%                                                                                                             | 1.17%        |
| <b>Purity (HPLC)</b>              |                      | NLT 99.0%                                                                                                                              | 99.73%       |
| <b>pH</b>                         |                      | 4.0~7.0                                                                                                                                | 6.7          |
| <b>Acid group ions</b>            |                      | Trifluoroacetate ion (TFA residue): NMT 1.0%                                                                                           | N.D          |
|                                   |                      | Acetate ion (acetic acid, counter-ion): NMT 15.0%                                                                                      | 6.6%         |
| <b>Water content (KF)</b>         |                      | NMT 8.0%                                                                                                                               | 2.7%         |
| <b>Peptide content</b>            |                      | NLT 80.0%                                                                                                                              | 88.1%        |
| <b>Residual solvent</b>           |                      | Acetonitrile NMT 410ppm                                                                                                                | 88ppm        |
|                                   |                      | Methanol NMT 3000ppm                                                                                                                   | N.D          |
|                                   |                      | Methyl tert-butyl ether NMT 5000ppm                                                                                                    | N.D          |
| <b>Bacterial endotoxins</b>       |                      | NMT 10EU/mg                                                                                                                            | 3.8EU/mg     |
| <b>Microbial Limits</b>           |                      | Total aerobic bacteria ≤100cfu/g                                                                                                       | Conforms     |
|                                   |                      | Mould & Yeast ≤10cfu/g                                                                                                                 | Conforms     |
|                                   |                      | Bile tolerant enterobacteria: absence in 1g                                                                                            | absent       |
|                                   |                      | Pseudomonas aeruginosa: absence in 1g                                                                                                  | absent       |
|                                   |                      | Staphylococcus aureus: absence in 1g                                                                                                   | absent       |
| <b>Assay</b>                      |                      | 95.0%~105.0%<br>(Calculated on anhydrous, acetate-free basis)                                                                          | 98.4%        |
| <b>Storage</b>                    |                      | Keep in tight container, protect from light, store at a temperature of -20±5°C.                                                        |              |

|                                                                      |      |                                    |
|----------------------------------------------------------------------|------|------------------------------------|
| Report                                                               | QC01 | Date: Jun. 25 <sup>th</sup> . 2026 |
| Reviewer                                                             | QC02 | Date: Jun. 25 <sup>th</sup> . 2026 |
| Conclusion: This batch of product complies with Enterprise Standard. |      |                                    |

合格

It is only supplied as chemical product.  
It is only for R&D use.