

# Triptorelin

## Certificate of Analysis

|                      |                     |                   |                                                                                                               |
|----------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------|
| Product Name         | Triptorelin         |                   |                                                                                                               |
| CAS No.              | 140194-24-7         | Batch No.         | 2501012047                                                                                                    |
| Date of Producing    | 2025-10-12          | Molecular Formula | C <sub>64</sub> H <sub>82</sub> N <sub>18</sub> O <sub>13</sub> .C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> |
| Retest Date          | 2027-10-12          | Molecular Weight  | 1311.5                                                                                                        |
| Condition of Storage | 2~8℃                |                   |                                                                                                               |
| Reference Standard   | Enterprise Standard |                   |                                                                                                               |

| TEST                         | SPECIFICATION                                                   | RESULT   |
|------------------------------|-----------------------------------------------------------------|----------|
| Appearance                   | White or almost white powder                                    | Conforms |
| Solubility                   | Sparingly soluble in MeOH, soluble in water and 1% acetate acid | Conforms |
| Water Content (Karl Fischer) | ≤7.0%                                                           | 4.1%     |
| Acetic Acid (By HPLC)        | ≤12%                                                            | 11.4%    |
| Peptide Purity (By HPLC)     | ≥98.0%                                                          | 98.5%    |
| Related Substance (By HPLC)  | Total Impurities(%)≤2.0%                                        | 1.4%     |
|                              | Largest Single Impurity(%)≤1.0%                                 | 1.1%     |

|            |                                     |
|------------|-------------------------------------|
| Conclusion | Conforms to the Enterprise standard |
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