



Certificate of Analysis

Sermorelin Acetate

Product Name : Sermorelin Acetate
Mfg. Date : Apr 05, 2024
M.F. : C₁₅₁H₂₅₀N₄₄O₄₄S
CAS No. : 114466-38-5
Sequence : Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH₂·CH₃COOH

Lot No. : DL8116
Exp. Date : Apr 04, 2027
M.W. : 3417.9
Batch Qty : 815 g

| TESTS | SPECIFICATIONS | | RESULTS |
|--|--|-------------------------|--------------------------|
| Appearance | White or almost white crystalline powder | | White crystalline powder |
| Solubility | Soluble in water | | Conforms |
| Amino Acid Composition (AAA) | Leu | 3.6 – 4.4 | 4.2 |
| | Asp | 2.7 – 3.3 | 3.1 |
| | Glu | 1.8 – 2.2 | 2.0 |
| | Arg | 2.7 – 3.3 | 3.1 |
| | Lys | 1.8 – 2.2 | 2.0 |
| | Thr | 0.9 – 1.1 | 1.0 |
| | Tyr | 1.8 – 2.2 | 2.1 |
| | Val | 0.9 – 1.1 | 1.0 |
| | Phe | 0.9 – 1.1 | 1.0 |
| | Ala | 2.7 – 3.3 | 3.1 |
| | Ser | 2.7 – 3.3 | 2.9 |
| | Met | 0.9 – 1.1 | 1.0 |
| | Gly | 0.9 – 1.1 | 1.1 |
| | Ile | 1.8 – 2.2 | 2.1 |
| Mass (MS) | 3357.88 ± 1 | | 3357.02 |
| Water Content (KF) | ≤ 10.0% | | 5.2% |
| Acetic Acid Content (HPLC) | ≤ 15.0 % | | 7.0% |
| Peptide Purity (HPLC) | ≥ 98.0 % | | 98.7% |
| Related Substances (HPLC) | Total Impurities | ≤ 2.0% | 1.3% |
| | Maximum Individual Impurity | ≤ 1.0 % | 0.6% |
| Peptide Content (N%) | ≥ 80.0 % | | 87.7% |
| Assay (On Anhydrous and Acetic Acid-Free Basis) (HPLC) (CP2020) | 95.0 - 105.0 % | | 99.6% |
| Bacterial Endotoxins (USP2022) | ≤ 10 EU/mg | | < 10 EU/mg |
| Microbial Test (USP2022) | Total Aerobic Microbial Count | ≤ 10 ² CFU/g | < 20 CFU/g |
| | Total Yeast and Mold Count | ≤ 10 ² CFU/g | < 20 CFU/g |
| | <i>E. coli</i> | Not Detected | Not Detected |
| Conclusion: The product is a synthetic peptide and meets the In-House specifications. Long Term Storage: Store in a sealed container at 2°C - 8°C in the fridge or in the freezer. Distributed by Darmerica. | | | |

Note: Analytical results transcribed from the original COA provided by Chengdu Weihual Pharmaceutical Technology Co., Ltd. (China); Lot No. WHT-25/20240405/2.

Based on the review of above information, the lot stands released.

| | Name | Title | Signature | Date |
|-------------|------------------|--------------------|-------------------------|------------|
| Prepared by | Kamlesh Mistry | Quality Manager | <i>KB Mistry</i> | 05/16/2024 |
| Released by | Christina Boykin | Quality Supervisor | <i>Christina Boykin</i> | 05/29/2024 |