

## Certificate of Analysis

|                                                               |                                                                                                                                                                                                                                                       |                                                                                                                                                                       |              |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Product Name                                                  | Semaglutide, sodium salt                                                                                                                                                                                                                              | Batch No.                                                                                                                                                             | M23X04231    |
| CAS No.                                                       | 910463-68-2 (free peptide)                                                                                                                                                                                                                            | MFG. Date                                                                                                                                                             | Apr 23, 2023 |
| CAT No.                                                       | P000181 (free peptide)                                                                                                                                                                                                                                | Retest Date                                                                                                                                                           | Apr, 2025    |
| Items                                                         | Specification                                                                                                                                                                                                                                         | Results                                                                                                                                                               |              |
| Appearance                                                    | White powder                                                                                                                                                                                                                                          | Conforms                                                                                                                                                              |              |
| MS                                                            | 4113.6±1.0                                                                                                                                                                                                                                            | 4113.9                                                                                                                                                                |              |
| Purity (HPLC)                                                 | ≥ 98.0%                                                                                                                                                                                                                                               | 99.7%                                                                                                                                                                 |              |
| Amino acid analysis                                           | His (0.9-1.1); Asp (0.9-1.1)<br>Ala (2.7-3.3); Val (1.8-2.2)<br>Glu (4.5-5.5); Leu (1.8-2.2)<br>Gly (3.6-4.4); Lys (0.9-1.1)<br>Thr (1.8-2.2); Ile (0.9-1.1)<br>Phe (1.8-2.2); Arg (1.8-2.2)<br>Ser (2.7-3.3); Tyr (0.9-1.1)<br>Aib (Det); AEEA (Det) | His 1.0 ; Asp 1.0<br>Ala 3.0 ; Val 2.1<br>Glu 5.1 ; Leu 2.1<br>Gly 3.8; Lys 1.0<br>Thr 1.9 ; Ile 1.1<br>Phe 2.0 ; Arg 2.1<br>Ser 2.8 ; Tyr 0.9<br>Aib(Det); AEEA(Det) |              |
| Sodium ion                                                    | 1.5%-4.0%                                                                                                                                                                                                                                             | 2.2%                                                                                                                                                                  |              |
| Water content (KF)                                            | ≤ 8.0%                                                                                                                                                                                                                                                | 4.9%                                                                                                                                                                  |              |
| Peptide content (N%)                                          | ≥ 85%                                                                                                                                                                                                                                                 | 92.1%                                                                                                                                                                 |              |
| Assay                                                         | 97.0%-103.0% (anhydrous and sodium free substance)                                                                                                                                                                                                    | 99.1%                                                                                                                                                                 |              |
| Residual solvent<br>Methanol<br>Acetonitrile<br>Triethylamine | ≤ 3000 ppm<br>≤ 410 ppm<br>≤ 320 ppm                                                                                                                                                                                                                  | N.D<br>8 ppm<br>N.D                                                                                                                                                   |              |
| Conclusion                                                    | Corresponds.                                                                                                                                                                                                                                          |                                                                                                                                                                       |              |
| Storage Condition                                             | Refrigerator.                                                                                                                                                                                                                                         |                                                                                                                                                                       |              |

QC:

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QA:

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