

# Certificate of Analysis

## Reference Material & Standard

|                    |                              |                   |                                           |
|--------------------|------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Semaglutide impurity 107     | Catalogue Number: | C4X-2226107                               |
| Synonyms:          | N/A                          | Lot Number:       | 0826-SA-7095                              |
| CAS Number:        | N/A                          | Expiry Date:      | Aug 25, 28                                |
| Molecular Formula: | $C_{189}H_{293}N_{43}O_{59}$ | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 4111.60                      |                   |                                           |

Chemical Structure: His-Aib-Glu-Gly-Thr-Phe-Thr-**DSer**-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(AEEA-AEEA-γ-Glu-Oct)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH

| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.782%   |

CATO Research Chemicals Inc.

Signature:

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Approved by General Manager:

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Date: Aug 26, 24

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## Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Aug 26, 24 | First release.      |

