

# Certificate of Analysis

## Reference Material & Standard

|                    |                                       |                   |                                           |
|--------------------|---------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Semaglutide Impurity 160 (x TFA Salt) | Catalogue Number: | C4X-2226160                               |
| Synonyms:          | N/A                                   | Lot Number:       | 0211-SA-7867                              |
| CAS Number:        | N/A                                   | Expiry Date:      | Feb 10, 30                                |
| Molecular Formula: | $C_{187}H_{291}N_{45}O_{59}$          | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 3762.28                               |                   |                                           |

Chemical Structure:  $H\text{-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys}$   
(AEEAcAEEAc- $\gamma$ -Glu-17-carboxy heptadecanoyl)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-  
GlyArg-Gly-OH

| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.548%   |

CATO Research Chemicals Inc.

Signature:

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Date: Feb 11, 26

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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           | Feb 11, 26 | First release.      |

