

Certificate of Analysis

Reference Material & Standard

Product Name:	Semaglutide impurity 51	Catalogue Number:	C4X-222651
Synonyms:	N/A	Lot Number:	0704-SA-7014
CAS Number:	N/A	Expiry Date:	Jul 03, 29
Molecular Formula:	$C_{187}H_{291}N_{45}O_{60}$	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	4129.6		

Chemical Structure:

H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-
Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(Octadecanedioic-y-
Glu-PEG2-PEG2)-Glu-Phe-Ile-Ala-Trp(O)-Leu-Val-
Arg-Gly-Arg-Gly-OH

Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	97.961%

Signature:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Jul 04, 25

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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	Jul 04, 25	First release.

