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## CERTIFICATE OF ANALYSIS

Analysis Date:

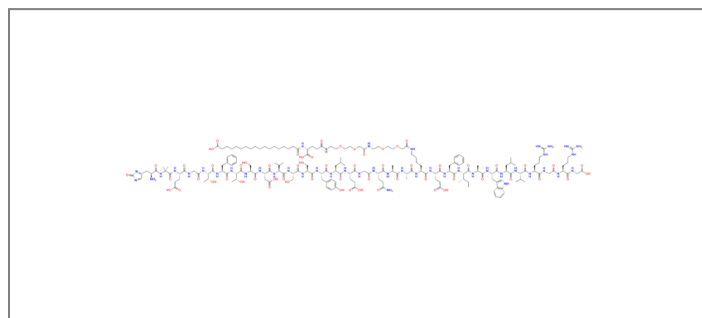
Re-test Date:

**Product Name: Semaglutide Impurity 31**

### Identification:

Chemical Name: (3S,9S,12S,15S,18S,21S,24S,27S,30S,33S,36S,39S,45S,48S,51S,54S,81R)-54-(((6S,12S,15S,18S,21S,24S,27S,30S,33S)-21-((1H-indol-3-yl)methyl)-1-amino-30-benzyl-27-((S)-sec-butyl)-35-carboxy-6-((carboxymethyl)carbamoyl)-12-(3-guanidinopropyl)-1-imino-18-isobutyl-15-isopropyl-24-methyl-8,11,14,17,20,23,26,29,32-nonaoxo-2,7,10,13,16,19,22,25,28,31-decaazapentatriacontan-33-yl)carbamoyl)-3-(2-((S)-2-amino-3-(2-oxo-2H-imidazol-4-yl)propanamido)-2-methylpropanamido)-45-(3-amino-3-oxopropyl)-12-benzyl-39-(2-carboxyethyl)-21-(carboxymethyl)-33-(4-hydroxybenzyl)-9,15-bis((R)-1-hydroxyethyl)-18,27,30-tris(hydroxymethyl)-36-isobutyl-24-isopropyl-48,51-dimethyl-4,7,10,13,16,19,22,25,28,31,34,37,40,43,46,49,52,60,69,78,83-henicosaoxo-62,65,71,74-tetraoxa-5,8,11,14,17,20,23,26,29,32,35,38,41,44,47,50,53,59,68,77,82-henicosaaazanonanonacontane-1,81,99-tricarboxylic acid

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-S78080  
Molecular Formula : C187H289N45O60  
Molecular Weight : 4127.6



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> HNMR	Confirm to structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.