

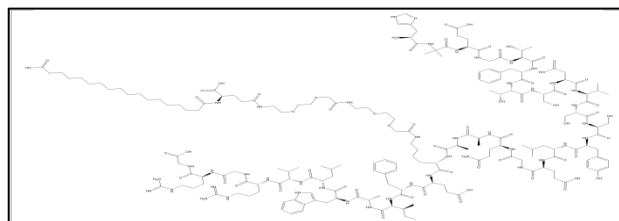
Analysis Date: 11-07-2025

Re-test Date: 11-07-2028

D-[ARG]28-SEMAGLUTIDE

Identification

Chemical Name	: (3S,9S,12S,15S,18S,21S,24S,27S,30S,33S,36S,39S,45S,48S,51S,54S,81R)-54-(((6S,12R,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-(1H-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-henicosaazanonanonacontane-1,81,99-tricarboxylic acid
CAT No	: ALL-S08882
CAS No	: N.A.
Molecular Formula	: C187H291N45O59
Molecular Weight	: 4113.6



Analytical Information

Batch Code	: ALL-S08882	HPLC Purity	: 98.05%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 95.95%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20 ⁰ C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.681%	1HNMR	: Confirm
Residue Of Ignition	: 1.456 %		

Additional Information

$$\%Potency = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.681 + 1.456) \times 98.05] / 100 = 95.95\%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office