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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Semaglutide Impurity 45**

### Identification:

Chemical Name: 21,39-di-tert-butyl 1-(2,5-dioxopyrrolidin-1-yl) (S)-9,18,23-trioxo-2,5,11,14-tetraoxa-8,17,22-triazanonatriacontane-1,21,39-tricarboxylate

Synonyms : NA  
CAS Number : 1118767-15-9  
CAT Number : CP-S78043  
Molecular Formula : C47H82N4O15  
Molecular Weight : 943.19



### 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)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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