

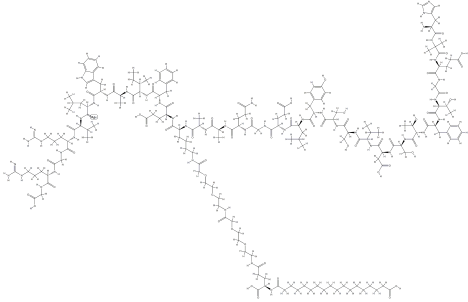


Wuhan HengHeDa Pharm Co., Ltd

Tel:86-27-84888681 Fax:86-27-84888682

Wuhan Economic& Technological Development Zone, Wuhan, China

CERTIFICATE OF ANALYSIS

Product name	Semaglutide	
CAS NO	910463-68-2	
Molecular formula	C187H291N45O59	
Molecular weight	4113.57	
Quantity	50g	
Batch NO	HHD20210723	
Production date	2022.07.23	
Expiry Date	2024.07.22	

Test based on enterprise standard

Test Item	Specification	Result
Appearance	White powder	Conforms
MS	4113.6 ± 1.0	4113.5
Solubility	Soluble in water	Conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
Sodium ion	1.5%-4.0%	2.3%
Water content(KF)	$\leq 8.0\%$	3.8%
Peptide content(N%)	$\geq 85\%$	93.3%
Purity (HPLC)	$\geq 98.0\%$	99.9%

Storage	Store in cool & dry place, keep away from strong light and heat.
Shelf life	2 years when properly stored.
Conclusion: This product complies with above specification.	

Inspector
Shen Wu

Director
King Yang

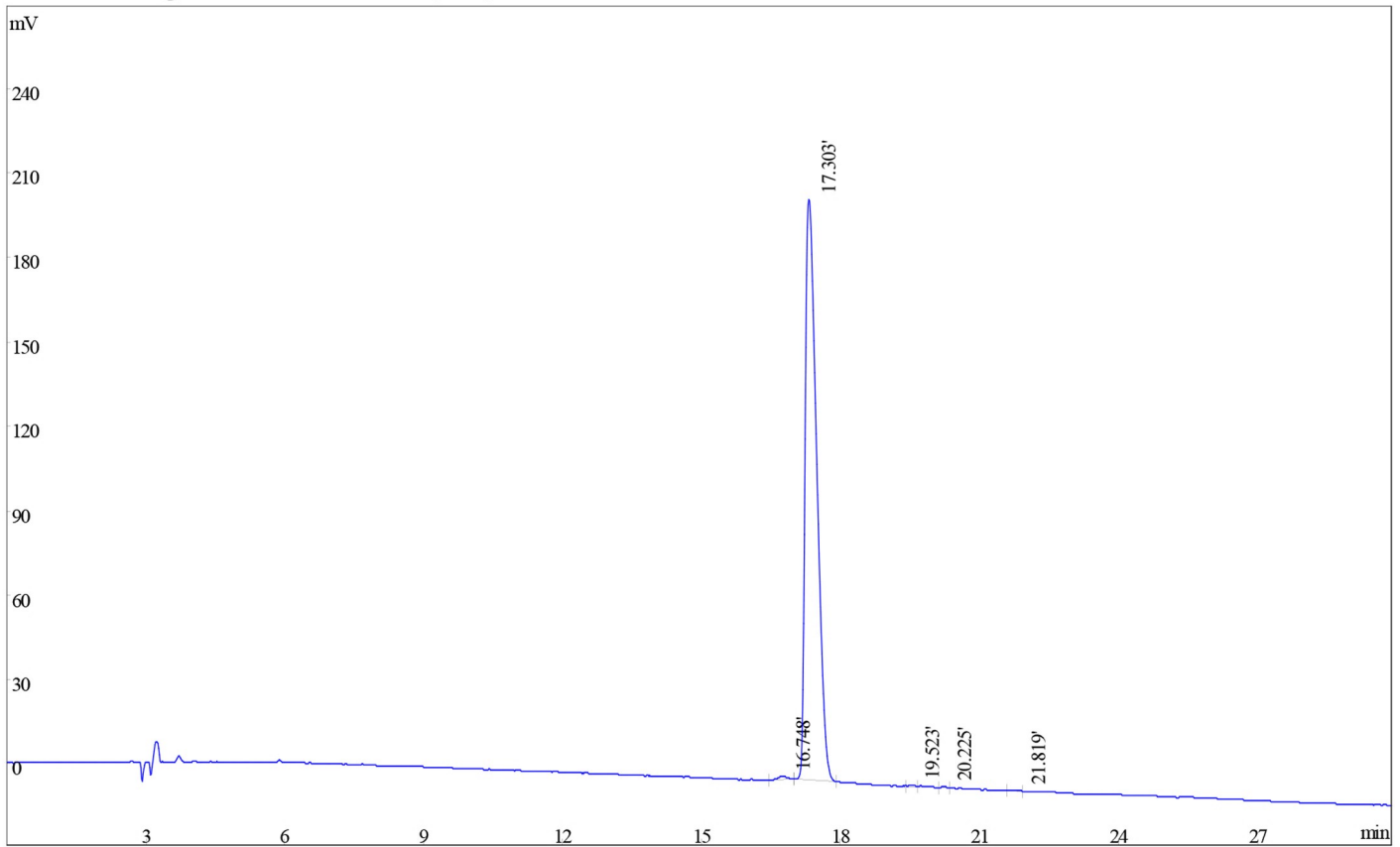




恒和达生物医药

Wuhan HengHeDa Pharm Co., Ltd.

Product Name : Sermaglutide Lot. NO: TH2205001
Solvent A : 0.1% Trifluoroacetic in 100% Water
Solvent B : 0.1% Trifluoroacetic in 100% Acetonitrile
Gradient Time A B
0.0min 60 40
30.0min 45 55
Flow rate : 1.0ml/min
Wavelength : 220nm
Column : PRONTOSIL, 120-5-C18, ACE-EPS, 250mm
Dissolution method : 100% H₂O Injection volume: 5
Injection date : 2023/03/08 10:21:13
Last changed : 2023/03/08 11:00:36



Rank	Time	Name	Conc.	Area	Height
1	16.748		0.5264	17996	1290
2	17.303		99.26	3393612	206568
3	19.523		0.03033	1037	229
4	20.225		0.05186	1773	300
5	21.819		0.1303	4455	375
Total			100	3418873	208762