

CERTIFICATE OF ANALYSIS

Product Information

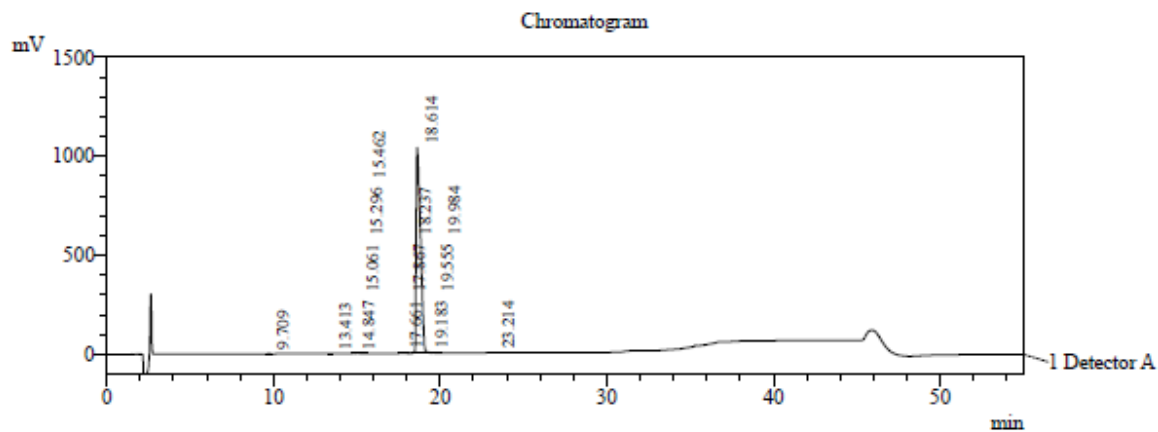
Product Name:	Sermorelin Acetate
Lot No.:	3140084
Sequence:	Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg
Modifications:	C-Terminal Amide
Storage Conditions:	-20°C.

Quality Control

Test Items	Specifications	Results
Appearance	White to off-white lyophilized powder	White to off-white lyophilized powder (Conforms)
Molecular Weight (MS)	3357.87±1.0 Da	3358.35 Da
Purity by HPLC	>98%	99.1%
Retention Time (HPLC)	±0.2min of Standard	Conforms
Net Peptide Content	≥5mg	5.7mg
Solubility	5 mg/1ml H ₂ O	Clearly soluble
Acetic acid content	≤10.0%	6.4%
TFA Content	≤0.500%	Conforms
DCM Content	≤0.060%	0.004%
DMF Content	≤0.088%	0.013%
Total Aerobic Count	≤100CFU/g	Conforms
Yeast & Molds Count	≤100CFU/g	Conforms
Endotoxins	≤0.5EU/mg	Conforms

	Sample Information
Lot. No	3140084
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.8ml/min
Wavelength	220nm
Analytical column type	Phenomenex Luna 3um C18 (2) (4.6*150mm*3um)
Dissolution method	100%H ₂ O
Acquisition Time	2026/3/22 21:52:29
Inj. Volume	25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	27
25.00	Pumps	B.Conc	42
30.00	Pumps	B.Conc	90
40.00	Pumps	B.Conc	90
41.00	Pumps	B.Conc	27
55.00	Controller	Stop	

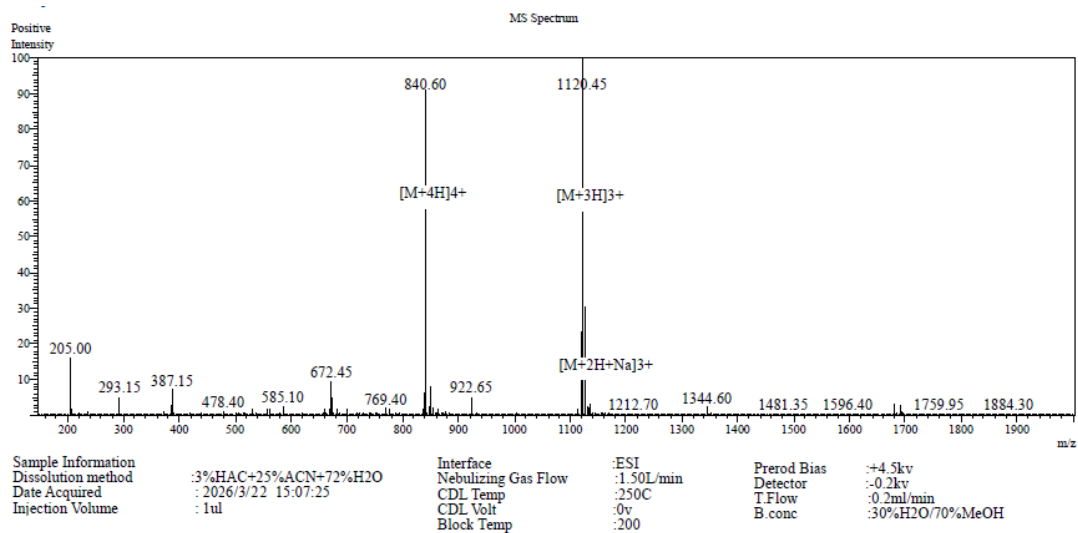


1 Detector A / 220nm

PeakTable

Detector A 220nm

Peak#	Ret. Time	Area	Height	Area %
1	9.709	5258	707	0.028
2	13.413	2101	270	0.011
3	14.847	19043	2604	0.101
4	15.061	21857	2819	0.116
5	15.296	1752	208	0.009
6	15.462	884	107	0.005
7	17.661	29480	3918	0.156
8	17.867	5267	563	0.028
9	18.237	5886	629	0.031
10	18.614	18689502	1037656	99.073
11	19.183	52729	5466	0.280
12	19.555	26403	2539	0.140
13	19.984	1323	162	0.007
14	23.214	2951	412	0.016
Total		18864434	1058059	100.000



Lot No.	3140084
Theoretical	3357.87
Observed	3358.35