

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Sermorelin Acetate
Lot No.:	VI1720260307-5
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

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	3358.00 Da
Purity by HPLC	>98%	98.5%
Retention Time (HPLC)	±0.2min of Standard	Conforms
Assay	80.0% ~ 120.0%	115.8%
Solubility	5 mg/1ml H ₂ O	Clearly soluble
Loss on Drying	≤10.0%	0.7%
Water Content	≤8.0%	0.7%
Visible Particulate Matter	The sampling inspection results meet the requirements of AQL 0.65%	Conforms
Subvisible Particulate Matter	≤6000 counts/container ≥10um ≤600 counts/container ≥25um	Conforms
Content Uniformity	AV ≤15.0	Conforms
Acetic Acid Content	≤10.0%	7.3%
TFA Content	≤0.500%	Conforms
DCM Content	≤0.060%	0.001%
DMF Content	≤0.088%	N.D.
Total Aerobic Count	≤100CFU/g	Conforms
Yeast & Molds Count	≤100CFU/g	Conforms
Endotoxins	≤0.5EU/mg	Conforms

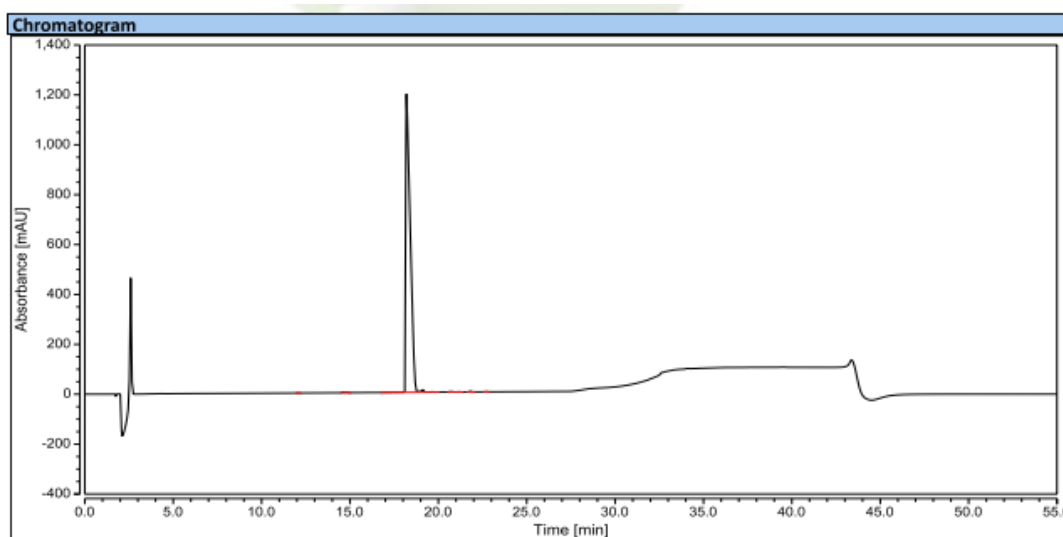
Storage Conditions: -20°C.

Date of Mfg: 07 Mar 2026

Sample Information

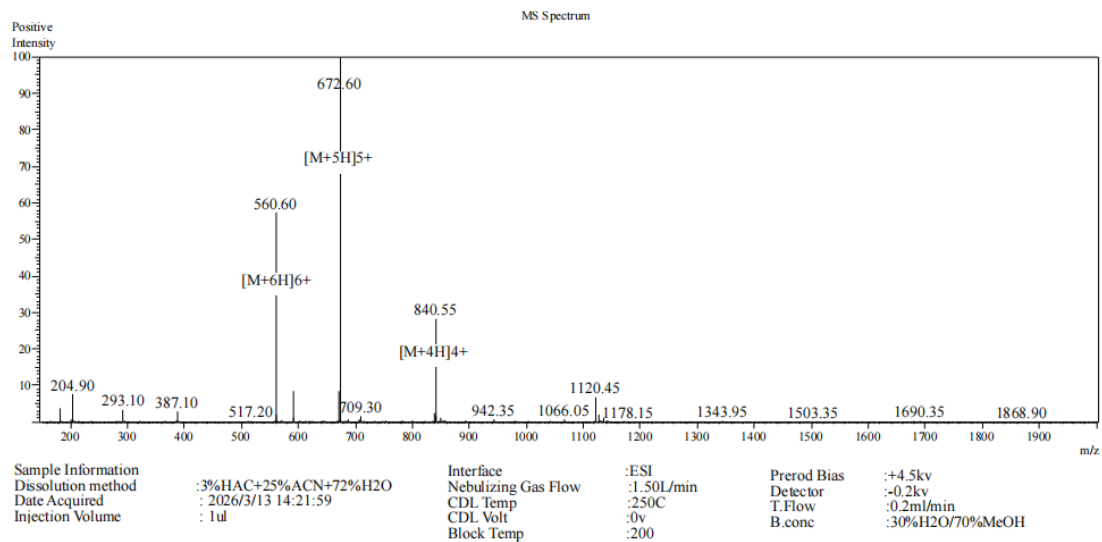
Lot. No	VI1720260307-5
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.8ml/min
Wavelength	220nm
Analytical column type	Phenomenex Luna 3um C18 (2) (4.6*150mm*3um)
Dissolution method	100%H ₂ O
Acquisition Time	2026/03/09 19:13
Inj. Volume	25ul

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	



Integration Results

No.	RetentionTime min	Area mAU*min	Height mAU	Rel.Area %
1	12.07	0.064	0.542	0.019
2	14.62	0.319	2.846	0.093
3	14.82	0.356	2.865	0.104
4	16.92	0.087	0.762	0.025
5	17.14	0.081	0.664	0.024
6	17.42	0.152	1.171	0.044
7	17.83	0.091	0.439	0.027
8	18.20	337.324	1195.373	98.536
9	18.93	0.512	3.666	0.150
10	19.11	1.722	11.012	0.503
11	19.50	0.105	0.878	0.031
12	19.67	0.188	1.429	0.055
13	19.94	0.099	0.538	0.029
14	20.67	0.319	2.225	0.093
15	20.76	0.161	1.394	0.047
16	21.18	0.159	1.004	0.046
17	21.81	0.460	3.161	0.135
18	22.72	0.134	1.086	0.039
Total:		1231.055		100.000



Lot No.	VI1720260307-5
Theoretical	3357.87
Observed	3358.00