

CERTIFICATE OF ANALYSIS

Product Name	Antifreeze peptide SS-3, Cat.#: 314697 (TFA removed)
Lot No.	MTFB21058-01-260728
Sequence	MNAPARAAAKTAADALAAAKKTAADAAAAAAAA (Acetate Salt)
Dissolution condition	100%H ₂ O
Modification	Acetate salt
Molecular Weight (MW)	2939.22
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2939.70	Conforms
Purity by HPLC	>95%	98.803%
Peptide content	N/A	N/A
N content	N/A	N/A
TFA content	N/A	N/A
Endotoxin content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	20.0mg	5.0mg*4

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by:



Sep/09/2026

Quality Assurance Department

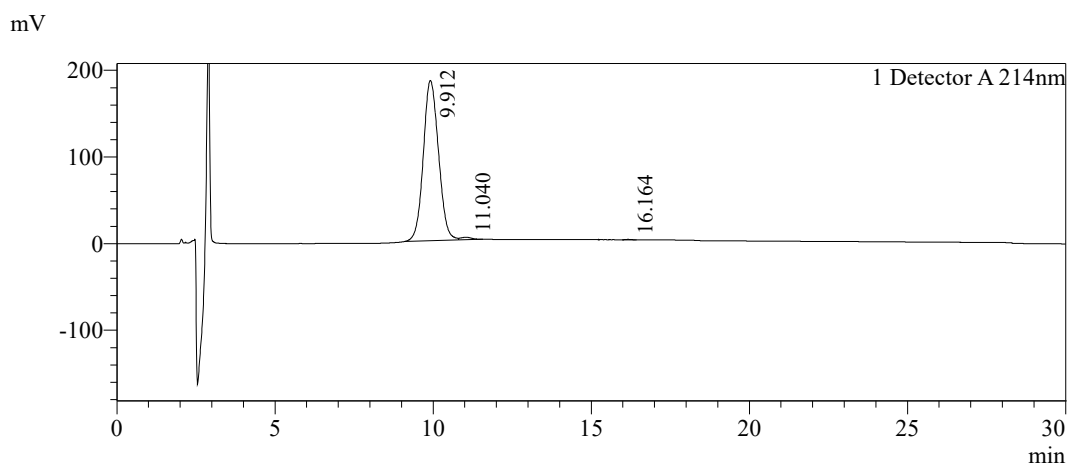


Sample Information

Order ID :MTFB21058-01
 Name :Antifreeze peptide SS-3 Cat.#: 314697 (TFA removed)
 Sequence :MNAPARAAAKTAADALAAAKKTAADAAAAAAAA (Acetate Salt)
 Lot. No :MTFB21058-01-260728
 Pump A :0.1%Trifluoroacetic in 100% water
 Pump B :0.1%Trifluoroacetic in 100% acetonitrile
 Total Flow :1ml/min
 Wavelength :214nm
 Analytical column type :Kromasil 100-5-C18 (4.6*250mm*5 μ m)
 Dissolution method :100%H₂O
 Inj. Volume : 15ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	30
30.00	Pumps	B.Conc	60
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	30
50.00	Controller	Stop	

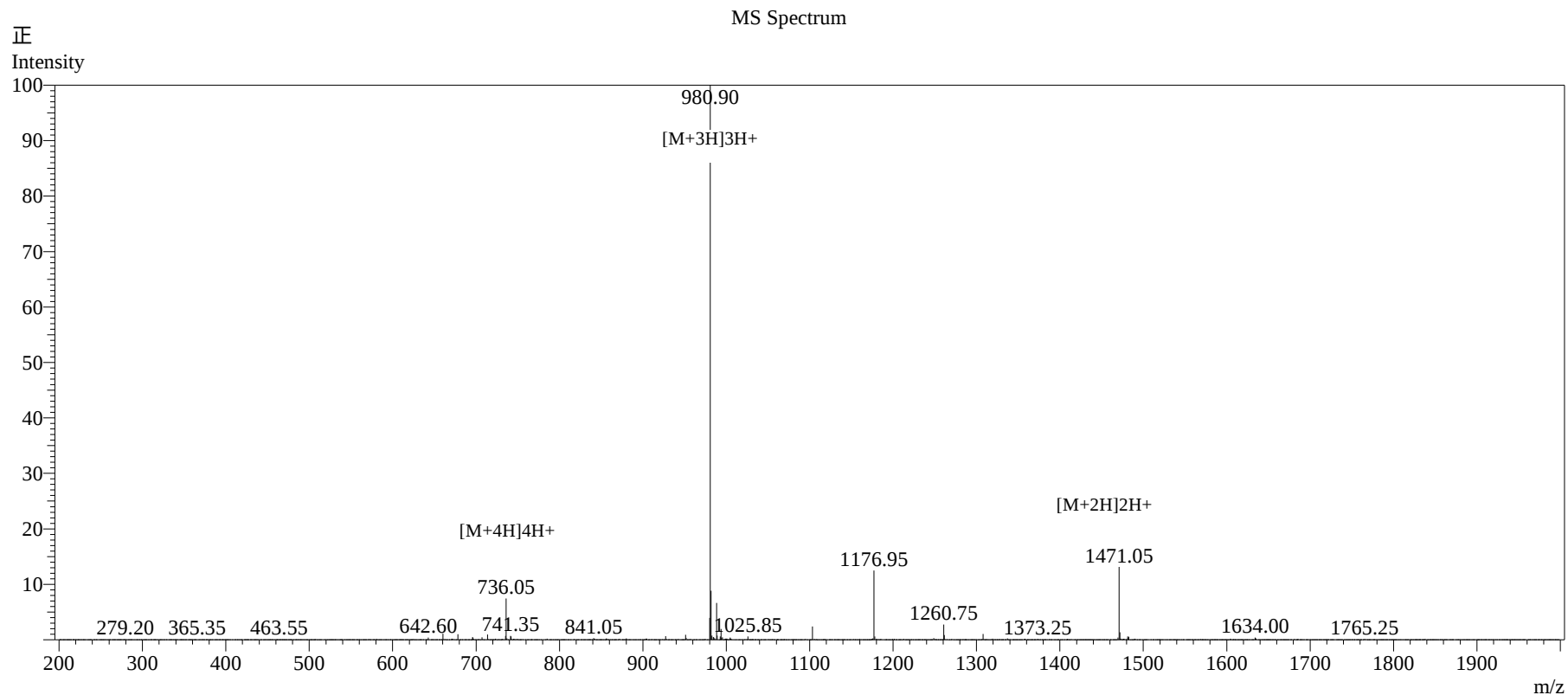
Chromatogram



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.912	6186965	185004	98.803
2	11.040	70856	2834	1.132
3	16.164	4073	429	0.065
Total		6261895	188267	100.000



Sample Information

Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/09/07 10:12:41	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H ₂ O/50%MEOH

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Sequence	:MNAPARAAAKTAADALAAAKKTAADAAAAAAAA(Acetate Salt)
Lot.No	:MTFB21058-01-260728
Theoretical	:2939.22
Observed	:2939.70