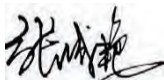

CERTIFICATE OF ANALYSIS

Product Name	antifouling zwitterionic peptide, Cat.#: 319257
Lot No.	MTFA32222-1216
Sequence	CFEFKFC
Dissolution condition	5%HCOOH+15%ACN+80%H2O
Length	7AA
Modification	N/A
Molecular Weight (MW)	923.11
Storage	-20°C

Test Items	Specifications	Results
MW by MS	923.10	Conforms
Purity by HPLC	>95%	99.056%
Peptide content	N/A	N/A
Moisture content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	10mg	5.0mg*2

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:



Quality Assurance Department

Dec/24/2024

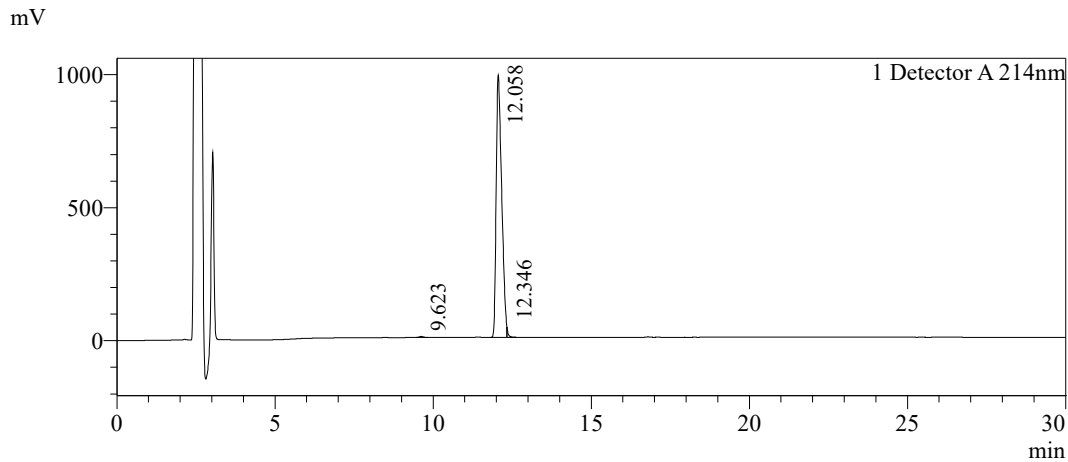


Sample Information

Order ID :MTFA32222
 Name :antifouling zwitterionic
 Sequence :CFEFKFC
 Lot. No :MTFA32222-1216
 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 μm)
 Dissolution method :5%HCOOH+15%ACN+80%H2O
 Inj. Volume : 8ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

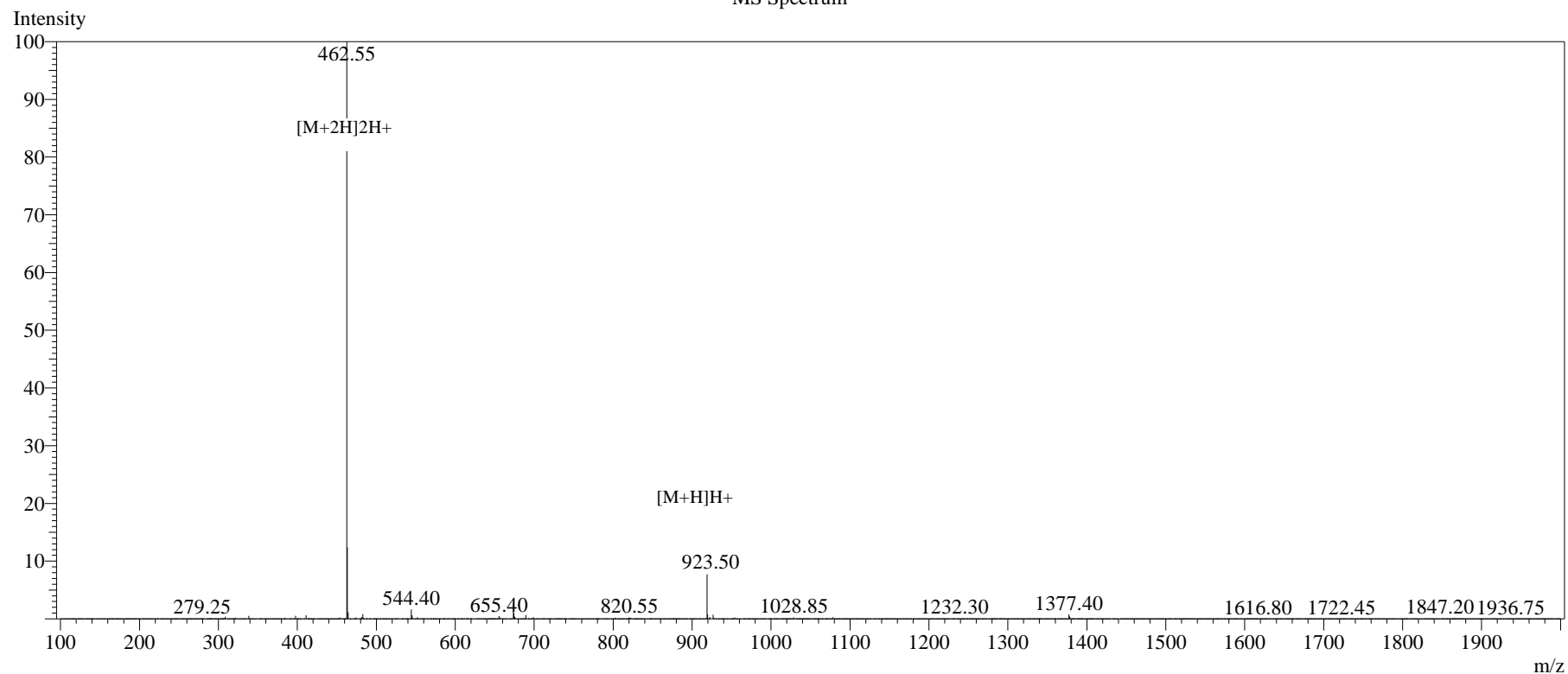
Chromatogram



Peak Table

Detector A 214nm				
Peak#	Ret. Time	Area	Height	Area%
1	9.623	32204	3742	0.267
2	12.058	11945936	984814	99.056
3	12.346	81617	31122	0.677
Total		12059756	1019679	100.000

MS Spectrum



Sample Information

Dissolution method :5% HCOOH+15% ACN+80% H₂O
 Date Acquired :2024/12/20 14:37:17
 Injection Volume :0.2ul
 Block Temp :200

Interface :ESI
 Nebulizing Gas Flow :1.50L/min
 CDL Temp :250°C
 CDL Volt :0v

Prerod Bias :+4.5kv
 Detector :-0.2kv
 T.Flow :0.2ml/min
 B.conc :50% H₂O/50% MEOH

Order ID :MTFA32222
 Name :antifouling zwitterionic
 Sequence :CFEFKFC
 Lot.No :MTFA32222-1216
 Theoretical :923.11
 Observed :923.10