


## CERTIFICATE OF ANALYSIS

Product Name	Plantaricin NC8 $\alpha$ peptide, Cat.#: 314444
Lot No.	MTFA32093-1-1114
Sequence	DLTTKLWSSWGYLGGKARWNLKHPYVQF
Dissolution condition	100%H <sub>2</sub> O
Length	29AA
Modification	N/A
Molecular Weight (MW)	3587.10
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3587.25	Conforms
Purity by HPLC	>95%	96.617%
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	1mg	1.0mg

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

Nov/18/2024



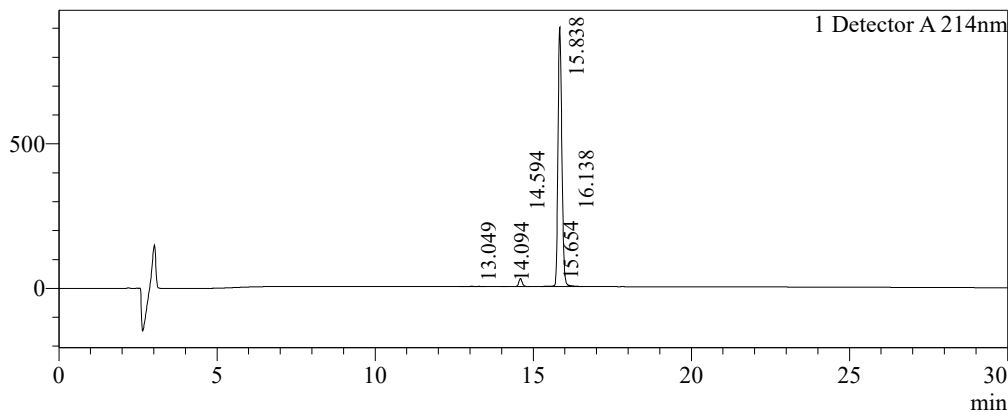
### Sample Information

Order ID :MTFA32093-1  
 Name :Plantaricin NC8 $\alpha$  peptide  
 Sequence :DLTTKLWSSWGYLYLGKKARWNLKHPYVQF  
 Lot. No :MTFA32093-1-1114  
 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  $\mu$ m)  
 Dissolution method :100%H<sub>2</sub>O  
 Inj. Volume : 10ul  

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

mV

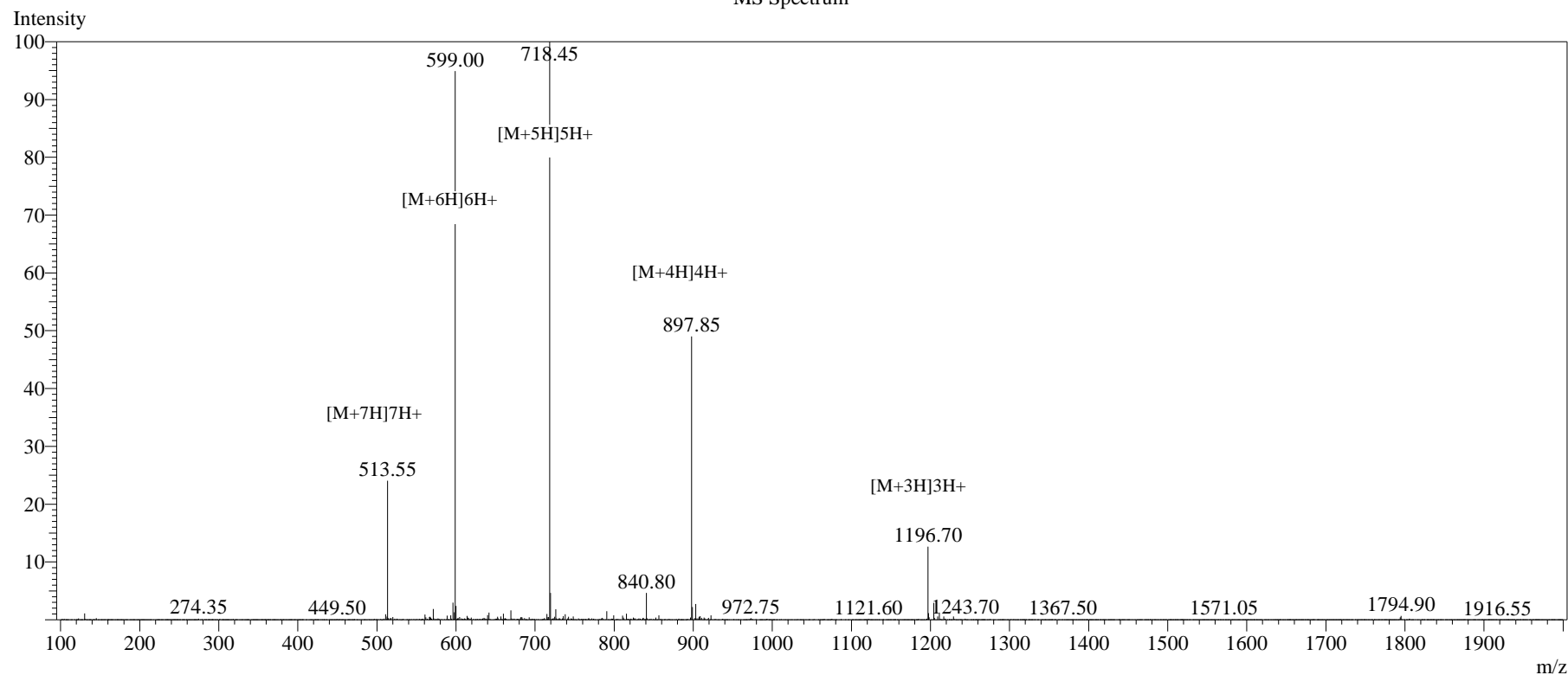


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.049	11596	688	0.147
2	14.094	917	143	0.012
3	14.594	205474	27590	2.607
4	15.654	19033	2438	0.242
5	15.838	7614435	896771	96.617
6	16.138	29580	3801	0.375
Total		7881034	931430	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/11/15 14:47:23	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% H2O/50% MEOH

Order ID	:MTFA32093-1
Name	:Plantaricin NC8α peptide
Sequence	:DLTTKLWSSWGYYLGKKARWNLKHPYVQF
Lot.No	:MTFA32093-1-1114
Theoretical	:3587.10
Observed	:3587.25