

CERTIFICATE OF ANALYSIS

Product Name	Plantaricin NC8 α peptide, Cat.#: 314444
Lot No.	MTFA30408-4-0824
Sequence	DLTTKLWSSWGYLGGKARWNLKHPYVQF
Dissolution condition	100%H ₂ O
Length	29AA
Modification	N/A
Molecular Weight (MW)	3587.10
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3587.00	Conforms
Purity by HPLC	>95%	95.060%
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	20mg	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:



Quality Assurance Department

Sep/28/2023

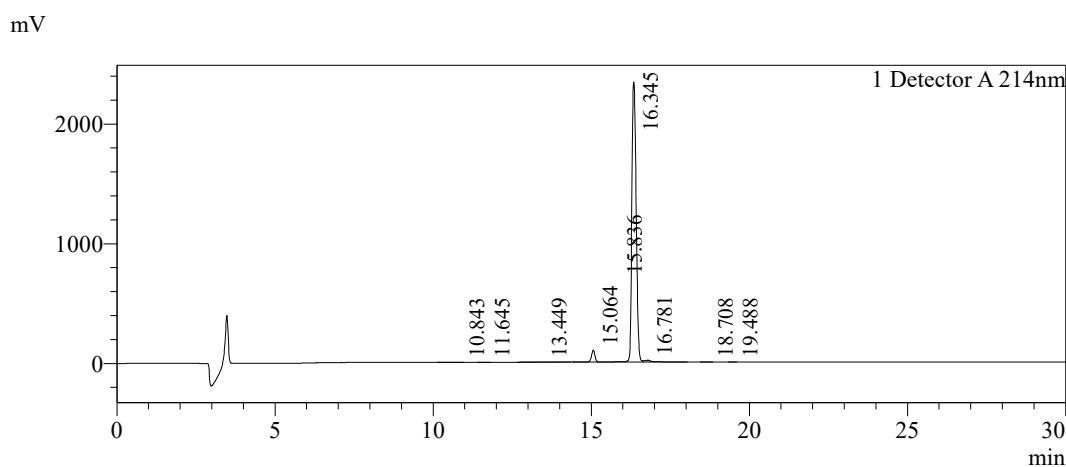


Sample Information

Order ID :MTFA30408-4
 Name :Plantaricin NC8 alpha peptide
 Sequence :DLTTKLWSSWGYYLGKKARWNLKHPYVQF
 Lot. No :MTFA30408-4-0824
 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 :Shim-pack GIST C18(4.6*250mm*5um)
 Dissolution method :100%H2O
 Inj. Volume : 20ul

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

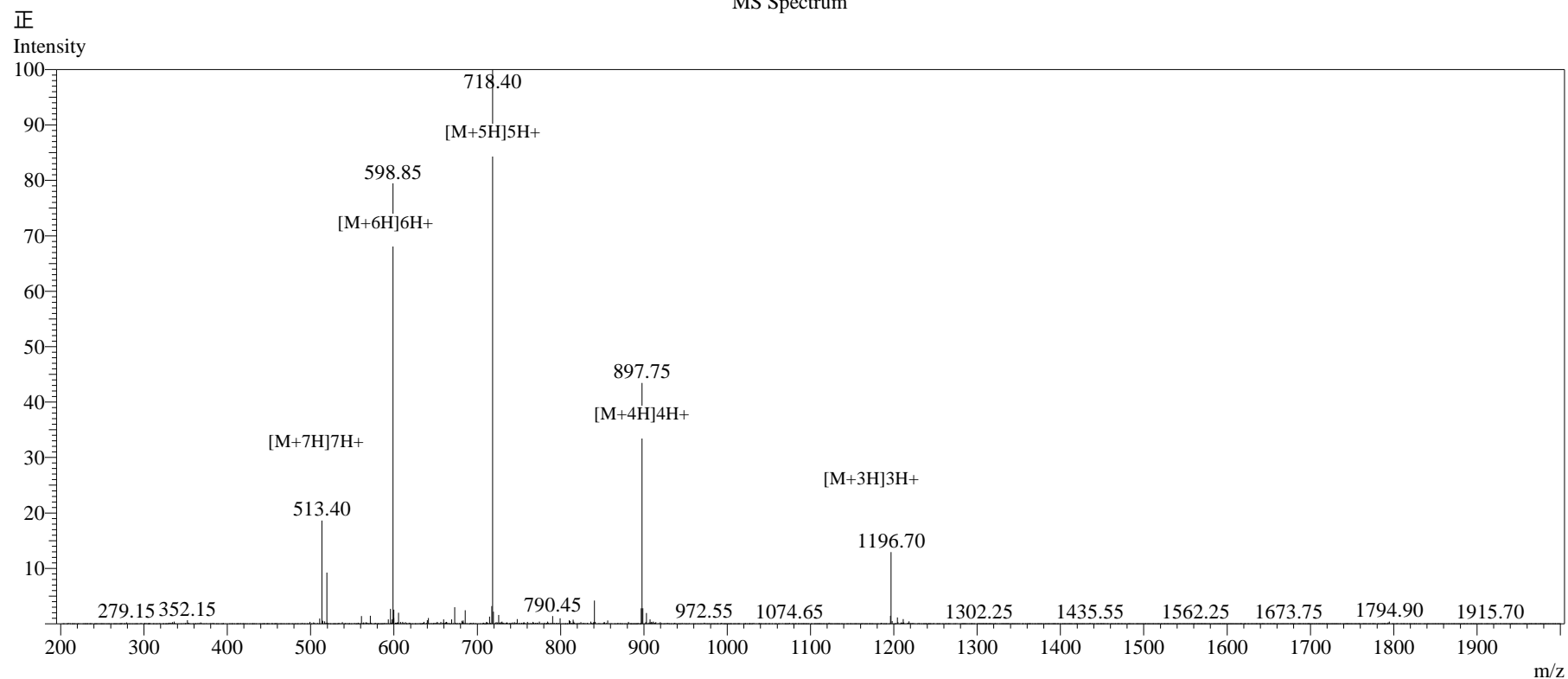


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.843	5469	216	0.024
2	11.645	1792	181	0.008
3	13.449	48091	1373	0.207
4	15.064	773539	99206	3.327
5	15.836	50886	3615	0.219
6	16.345	22103401	2336149	95.060
7	16.781	262823	14635	1.130
8	18.708	3917	360	0.017
9	19.488	2203	321	0.009
Total		23252121	2456056	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/09/12 11:27:03	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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Lot.No	:MTFA30408-4-0824
Theoretical	:3587.10
Observed	:3587.00