

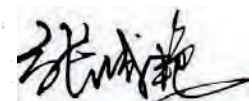
CERTIFICATE OF ANALYSIS

Product Name	Plantaricin NC8 β peptide, Cat.#: 318810
Lot No.	MTFA32093-2-1114
Sequence	SVPTSVYTLGIKILWSAYKHRKTIEKSFNKGFYH
Dissolution condition	100%H ₂ O
Length	34AA
Modification	N/A
Molecular Weight (MW)	4000.63
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4000.80	Conforms
Purity by HPLC	>95%	95.016%
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

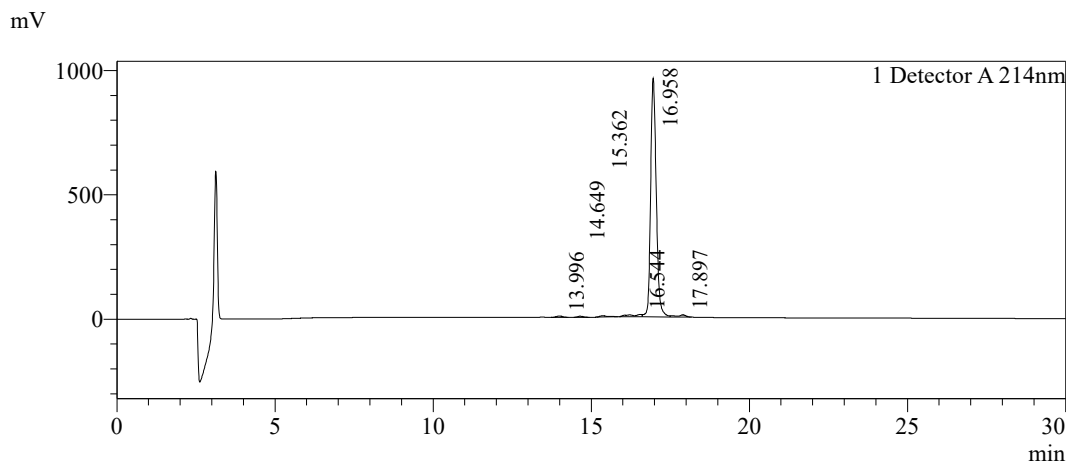


Sample Information

Order ID :MTFA32093-2
 Name :Plantaricin NC8 β peptide
 Sequence :SVPTSVYTLGIKILWSAYKHRKTIEKSFNKGIFYH
 Lot. No :MTFA32093-2-1114
 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 μ m)
 Dissolution method :100%H₂O
 Inj. Volume : 25ul

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

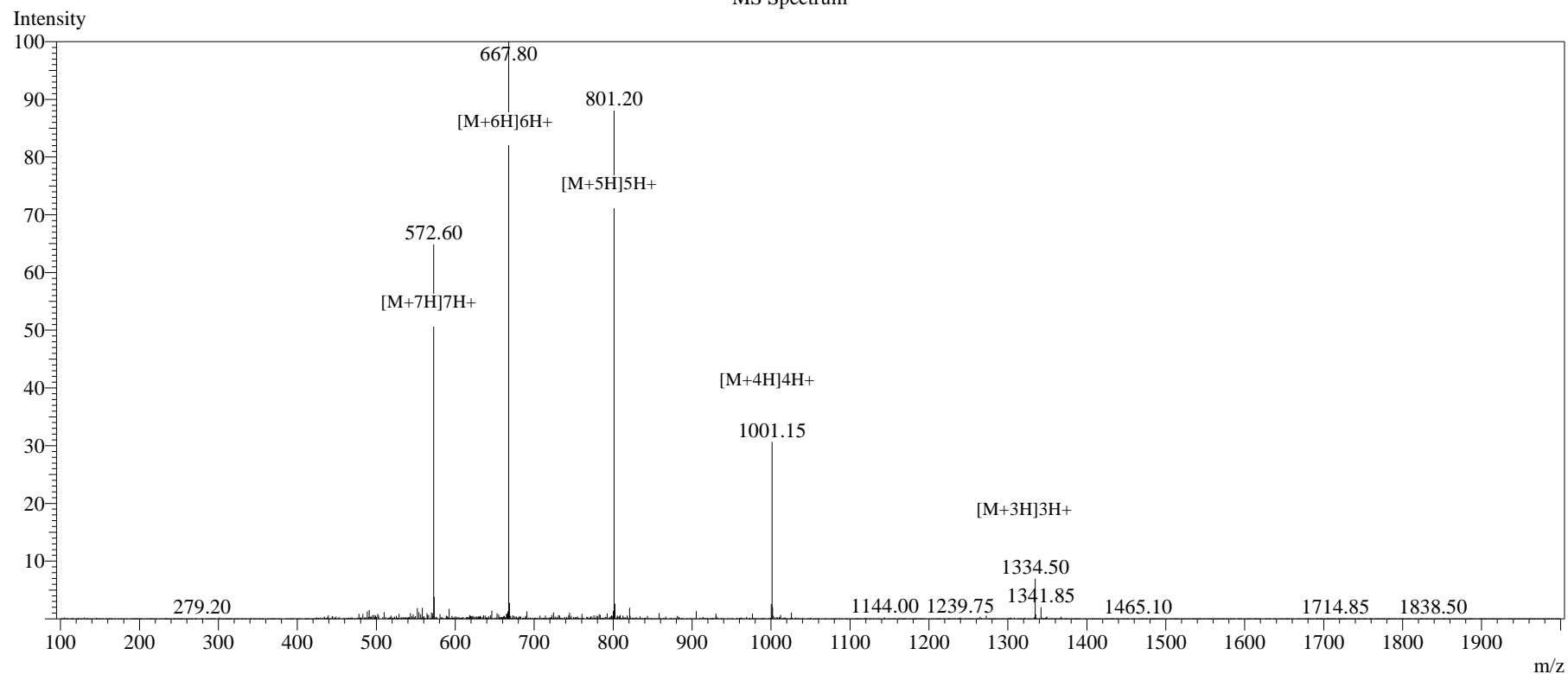


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.996	67350	5356	0.540
2	14.649	47980	4216	0.385
3	15.362	89648	5594	0.719
4	16.544	252444	9103	2.025
5	16.958	11845521	959252	95.016
6	17.897	163886	8428	1.315
Total		12466829	991949	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/11/15 16:41:06	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

Order ID	:MTFA32093-2
Name	:Plantaricin NC8β peptide
Sequence	:SVPTSVYTLGIKILWSAYKHRKTIEKSFNKGFYH
Lot.No	:MTFA32093-2-1114
Theoretical	:4000.63
Observed	:4000.80