

CERTIFICATE OF ANALYSIS

Product Name	Bacteriocin, Plantaricin A peptide, Cat.#: 304361 (TFA removed)
Lot No.	MTFA31432-0604
Sequence	AYSLQMGATAIKQVKKLFKKWGW (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	23AA
Modification	acetate salt
Molecular Weight (MW)	2683.23
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2683.60	Conforms
Purity by HPLC	>95%	97.846%
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

Jun/06/2024

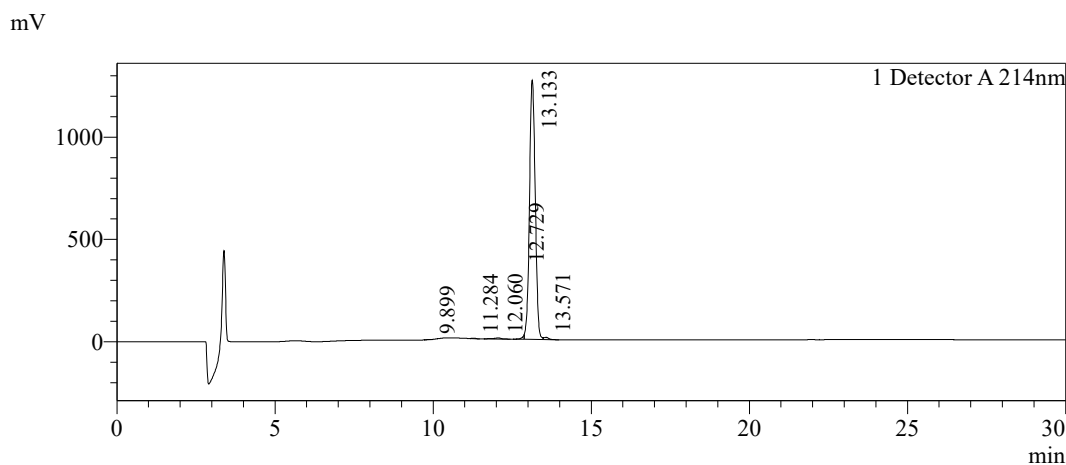


Sample Information

Order ID :MTFA31432
 Name :Bacteriocin, Plantaricin A
 Sequence :AYSLQMGATAIKQVKKLFKKWGW (Acetate Salt)
 Lot. No :MTFA31432-0604
 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 :100%H2O
 Inj. Volume : 25ul

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	

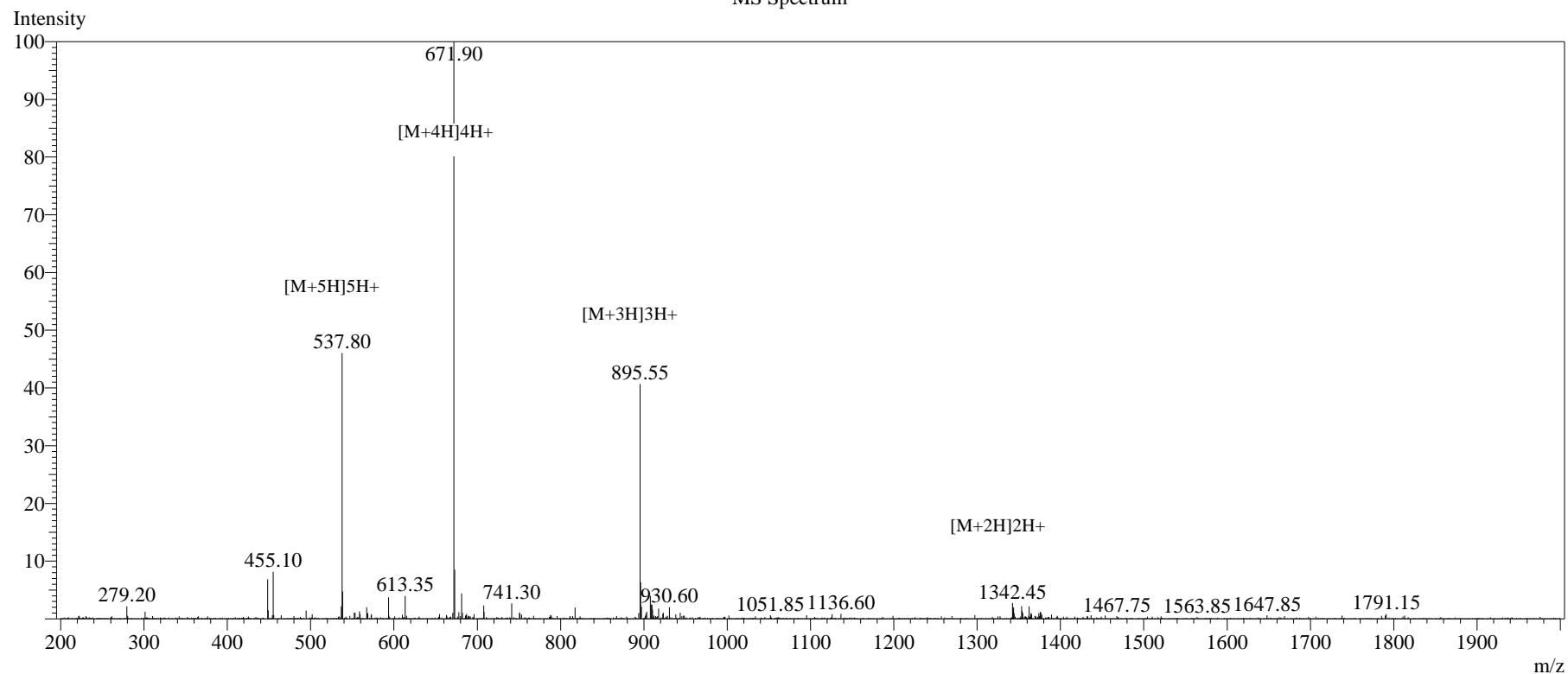
Chromatogram



Peak Table

Detector A 214nm				
Peak#	Ret. Time	Area	Height	Area%
1	9.899	8487	918	0.052
2	11.284	19269	2379	0.117
3	12.060	102452	5542	0.624
4	12.729	103276	2585	0.629
5	13.133	16053533	1266845	97.846
6	13.571	119927	10882	0.731
Total		16406944	1289151	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/06/05 16:10:34	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	:MTFA31432
Name	:Bacteriocin, Plantaricin A
Sequence	:AYSLQMGATAIKVVKLFFKKWGW (Acetate Salt)
Lot.No	:MTFA31432-0604
Theoretical	:2683.23
Observed	:2683.60