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**CERTIFICATE OF ANALYSIS**


<b>Product Name</b>	Bacteriocin, Plantaricin A peptide, Cat.#: 304361 (TFA Removed)
<b>Lot No.</b>	MTFB20351-251209
<b>Sequence</b>	AYSLQMGATAIKQVKKLFKKWGW (Acetate Salt)
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Modification</b>	acetate salt
<b>Molecular Weight (MW)</b>	2683.23
<b>Storage</b>	-20°C

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<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
MW by MS	2684.00	Conforms
Purity by HPLC	>95%	95.337%
Endotoxin Content	N/A	N/A
TFA solubility	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

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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

Jan/16/2026

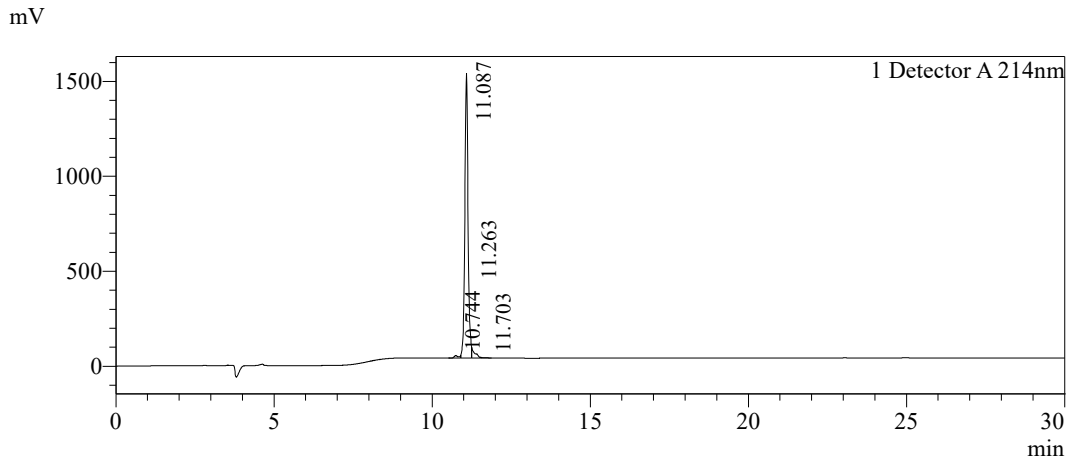


Sample Information

Order ID :MTFB20351  
 Name :Bacteriocin, Plantaricin A peptide  
 Sequence :AYS LQMGATAIKQVKKLFKKWGW (Acetate Salt)  
 Lot. No :MTFB20351-251209  
 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%H<sub>2</sub>O  
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	35
30.00	Pumps	B.Conc	65
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	35
50.00	Controller	Stop	

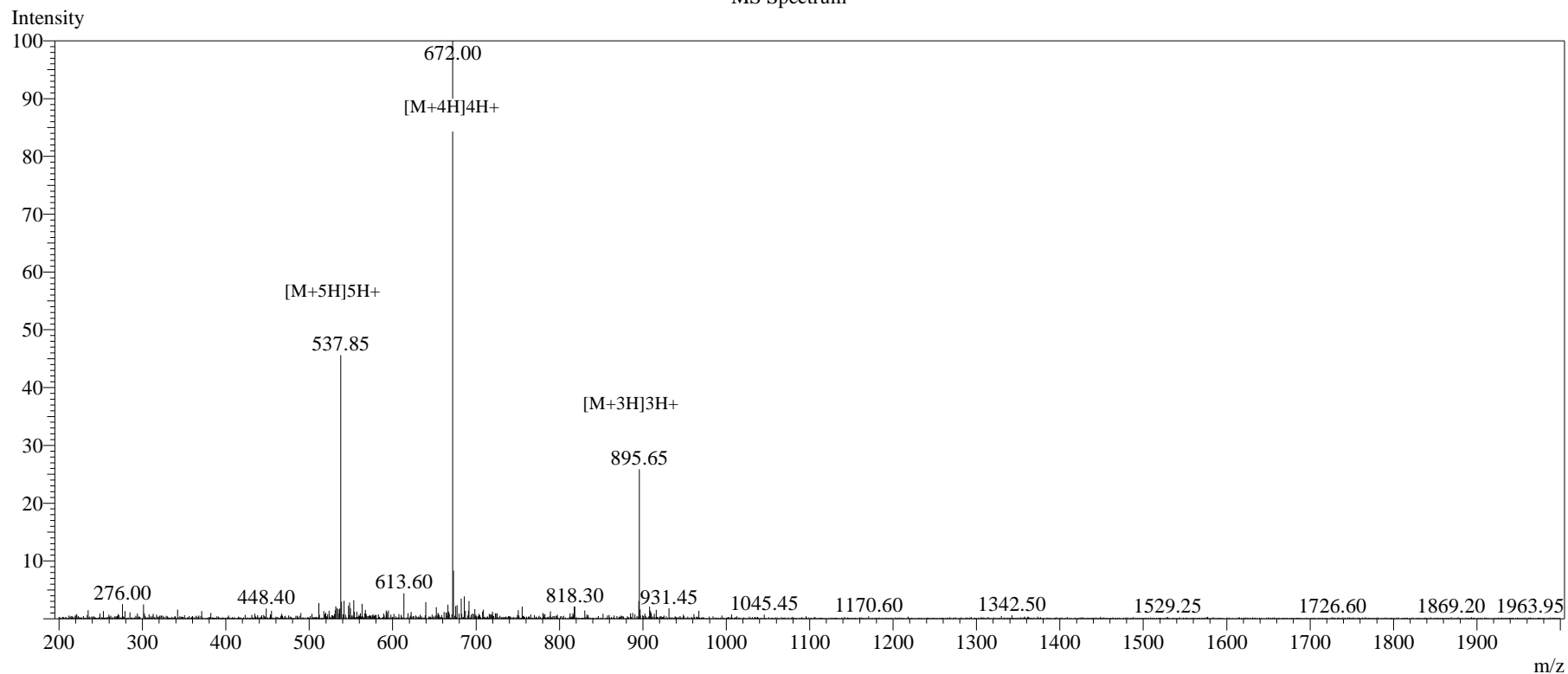
Chromatogram



Peak Table

Peak#	Ret. Time	Area	Height	Area%
1	10.744	135207	13101	1.216
2	11.087	10599827	1498508	95.337
3	11.263	365389	50697	3.286
4	11.703	17906	2052	0.161
Total		11118329	1564357	100.000

## MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/01/15 09:40:58	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 <sub>2</sub> O/50% MEOH

Order ID	:MTFB20351
Name	:Bacteriocin, Plantaricin A peptide
Sequence	:AYSLQMGATAIKQVKKLFKKWGW (Acetate Salt)
Lot.No	:MTFB20351-251209
Theoretical	:2683.23
Observed	:2684.00