

## CERTIFICATE OF ANALYSIS

Product Name	Bacteriocin peptide PlnE, Cat.#: 316214 (TFA Removed)
Lot No.	MTFB20352-251209
Sequence	FNRGGYNFGKSVRHVVDAIGSVAGIRGILKSIR (Acetate Salt)
Dissolution condition	100%H <sub>2</sub> O
Modification	acetate salt
Molecular Weight (MW)	3545.10
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3545.75	Conforms
Purity by HPLC	>95%	95.523%
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

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:



Jan/16/2026

Quality Assurance Department



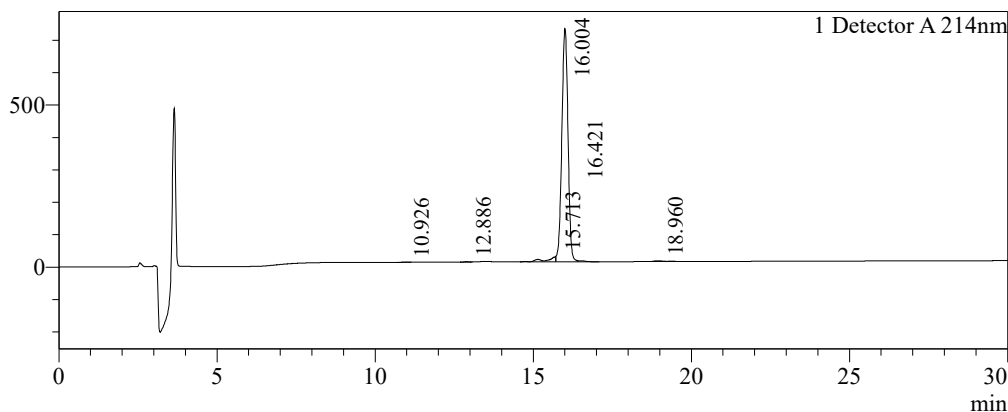
### Sample Information

Order ID :MTFB20352  
 Name :Bacteriocin peptide PlnE  
 Sequence :FNRRGGYNFGKSVRHVVDAIGSVAGIRGILKSIR (Acetate Salt)  
 Lot. No :MTFB20352-251209  
 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	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

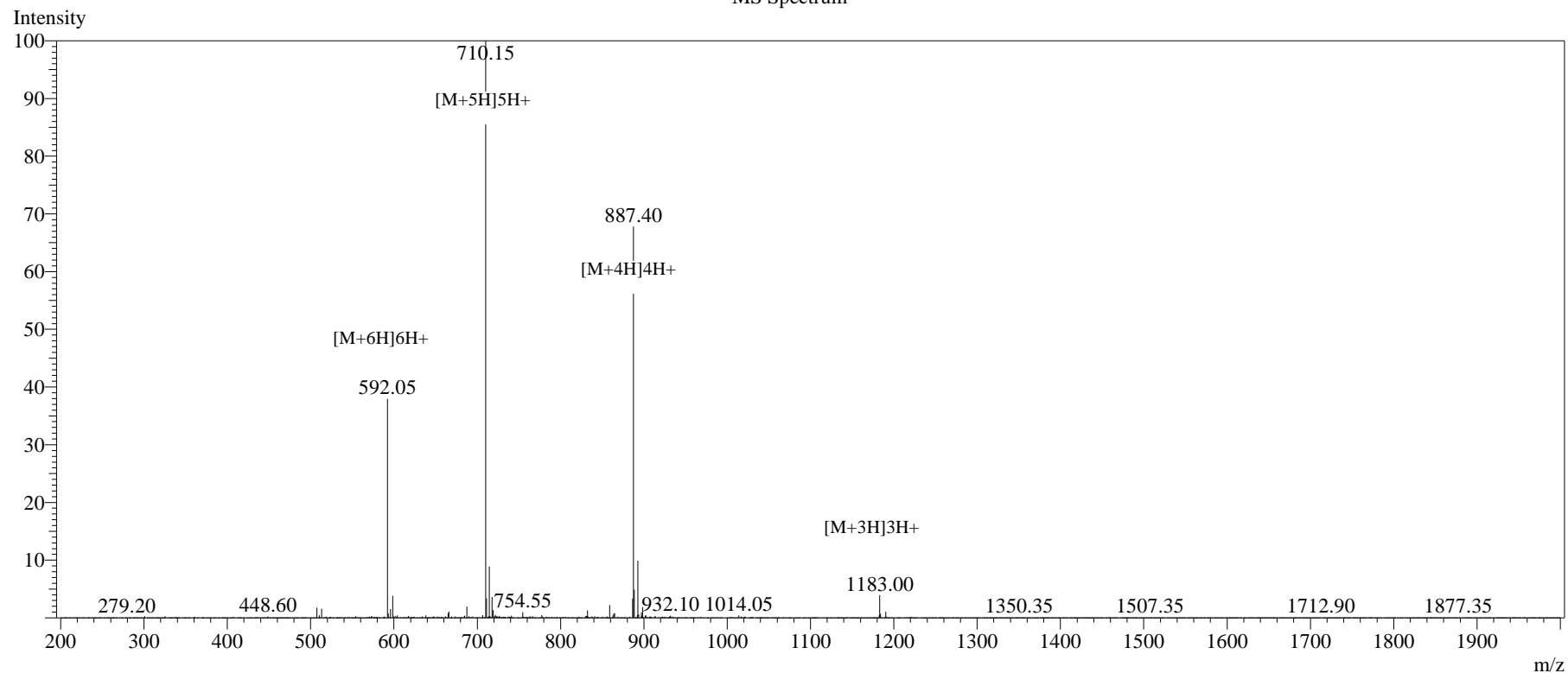


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.926	4511	451	0.044
2	12.886	12623	1411	0.124
3	15.713	320722	16426	3.139
4	16.004	9758602	720007	95.523
5	16.421	51696	3228	0.506
6	18.960	67839	2646	0.664
Total		10215994	744168	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 14:15:14	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% ME OH

Order ID	:MTFB20352
Name	:Bacteriocin peptide PlnE
Sequence	:FNRGGYNFGKSVRHVVDAIGSVAGIRGILKSIR (Acetate Salt)
Lot.No	:MTFB20352-251209
Theoretical	:3545.10
Observed	:3545.75