

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Sakacin P peptide (Cat.# 301938)
<b>Lot No.</b>	MTFA30138-0509
<b>Sequence</b>	KYYGNGVHCGKHSCTVDW
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	18AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	2054.30
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	2054.08	Conforms
<b>Purity by HPLC</b>	>95%	96.436%
<b>Peptide Content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	5mg	5.0mg

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

May/24/2023

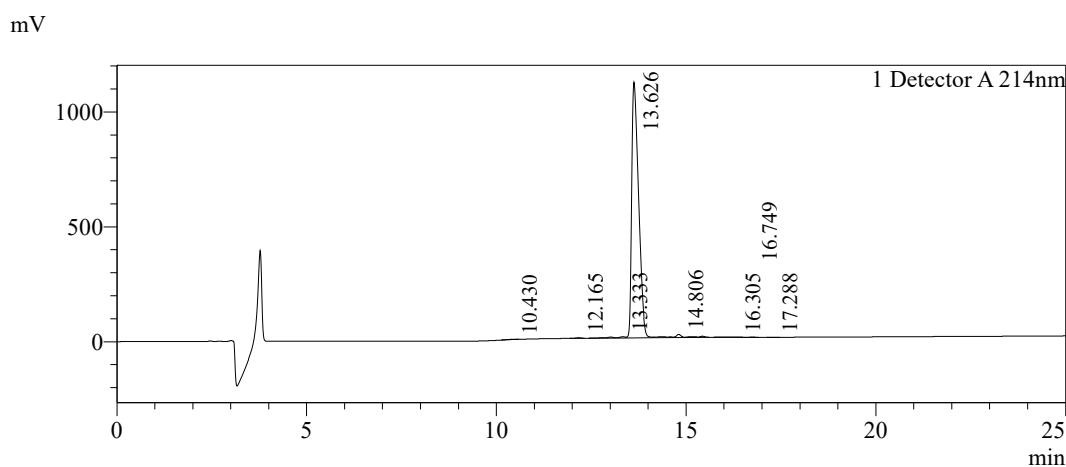


### Sample Information

Order ID :MTFA30138  
 Name :Sakacin P peptide  
 Sequence :KYYGNGVHCGKHSCTVDW  
 Lot. No :MTFA30138-0509  
 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 : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
25.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

### Chromatogram

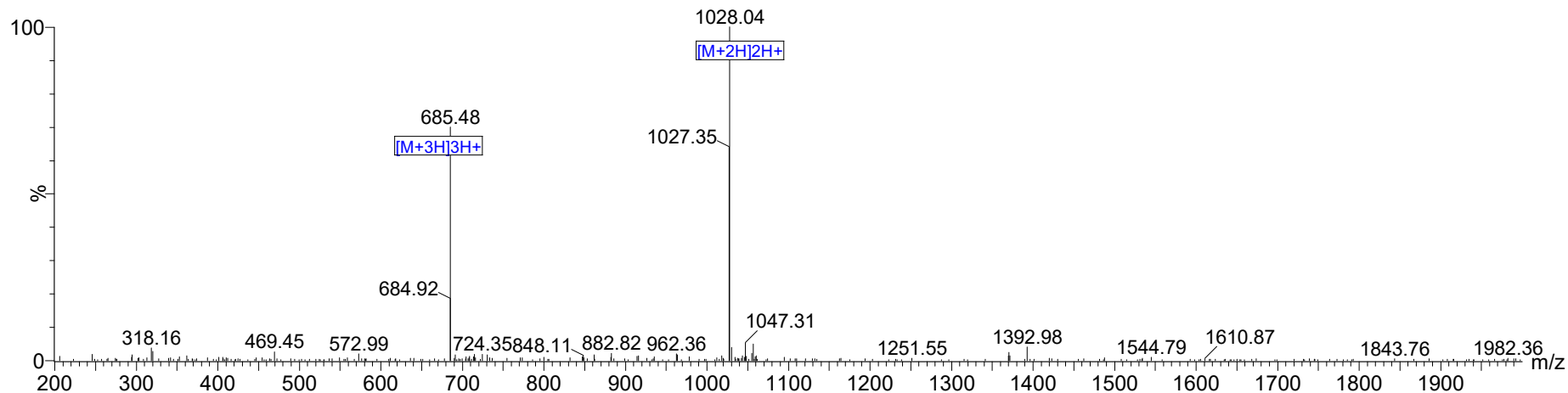


### Peak Table

#### Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.430	18965	1007	0.131
2	12.165	22147	2297	0.153
3	13.333	122522	4952	0.847
4	13.626	13957000	1112115	96.436
5	14.806	293121	13631	2.025
6	16.305	44118	1920	0.305
7	16.749	9514	1185	0.066
8	17.288	5397	519	0.037
Total		14472784	1137627	100.000

## MS Spectrum

 Positive  
Intensity


Dissolution method	:15%ACN+85%H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:5/23/2023 8:31:18	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H <sub>2</sub> O/50%MEOH

Order ID	: MTF A30138
Name	: Sakacin P peptide
Sequence	: KYYGNGVHCGKHSCTVDW
Lot.No	: MTF A30138-0509
Theoretical	: 2054.30
Observed	: 2054.08