

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	(klaklak)2 peptide, Cat.# 318902
<b>Lot No.</b>	GTA34462-0817
<b>Sequence</b>	klaklakklaklak
<b>Dissolution condition</b>	100%H2O
<b>Length</b>	14AA
<b>Modification</b>	all D-AA
<b>Molecular Weight (MW)</b>	1523.97
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	1524.00	Conforms
<b>Purity by HPLC</b>	>95%	95.326%
<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>	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

August/31/2022

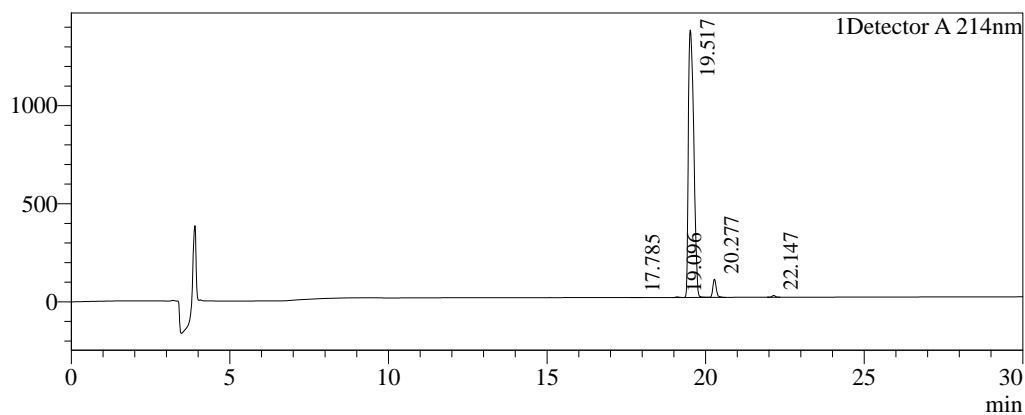


### Sample Information

Order ID	:GTA34462		
Name	:(klaklak)2 peptide,Cat.# 318902		
Sequence	:klaklakklaklak		
Lot. No	:GTA34462-0817		
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	:YMC-Triart C18(4.6*250mm*5um)		
Dissolution method	:100% H2O		
Inj. Volume	: 25ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	10
30.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

### Chromatogram

mV

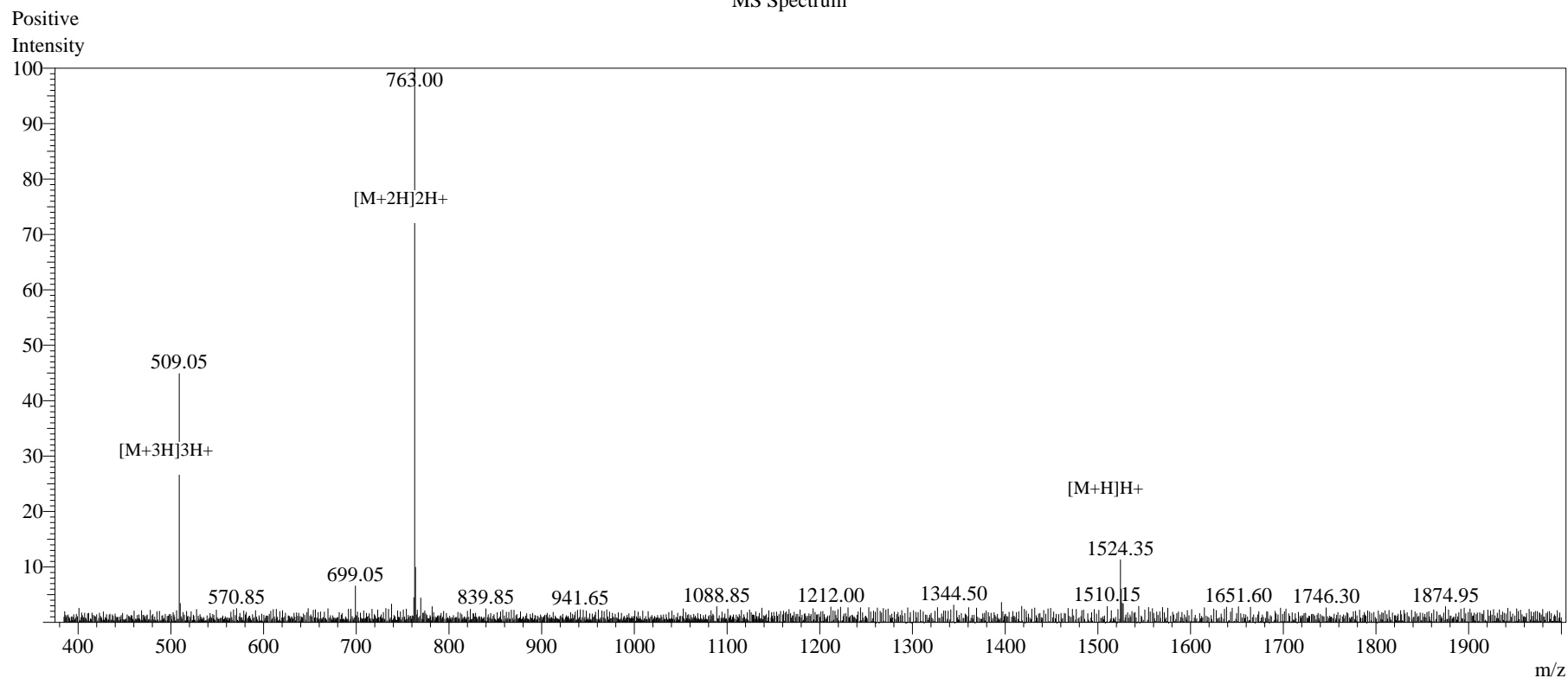


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	17.785	2322	331	0.014
2	19.096	26908	3229	0.158
3	19.517	16217839	1364109	95.326
4	20.277	701433	93077	4.123
5	22.147	64517	9344	0.379
Total		17013018	1470089	100.000

# MS Spectrum



## Sample Information

Dissolution method :15% ACN+85% H<sub>2</sub>O  
 Date Acquired :2022/08/31 10:09:40  
 Injection Volume :0.2ul  
 Block Temp :200

Interface :ESI  
 Nebulizing Gas Flow :1.50L/min  
 CDL Temp :250C  
 CDL Volt :0v

Prerod Bias :+4.5kv  
 Detector :-0.2kv  
 T.Flow :0.2ml/min  
 B.conc :50% H<sub>2</sub>O/50% MEOH

Order ID :GTA34462  
 Name : (klaklak) 2 peptide  
 Sequence :klaklakklaklak  
 Lot.No :GTA34462-0817  
 Theoretical :1523.97  
 Observed :1524.00