

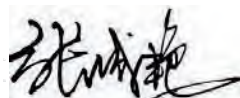
## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Laminin Penta Peptide, Cat.#: 310217
<b>Lot No.</b>	MTFA31865-2-0920
<b>Sequence</b>	YIGSR
<b>Dissolution condition</b>	100%H2O
<b>Length</b>	5AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	594.67
<b>Storage</b>	-20°C

Test Items	Specifications	Results
MW by MS	594.60	Conforms
Purity by HPLC	>90%	98.618%
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	200mg	50.0mg*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

Sep/23/2024



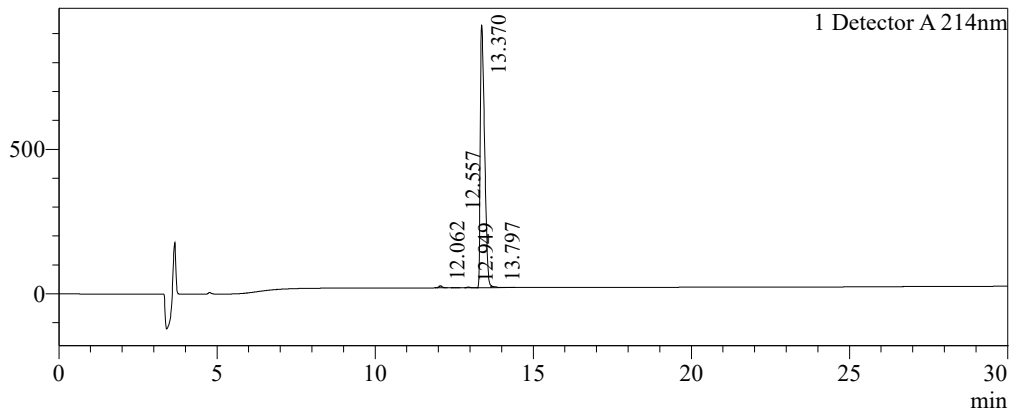
### Sample Information

Order ID :MTFA31865-2  
 Name :Laminin Penta Peptide  
 Sequence :YIGSR  
 Lot. No :MTFA31865-2-0920  
 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 : 15ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	5
30.00	Pumps	B.Conc	35
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	5
50.00	Controller	Stop	

### Chromatogram

mV

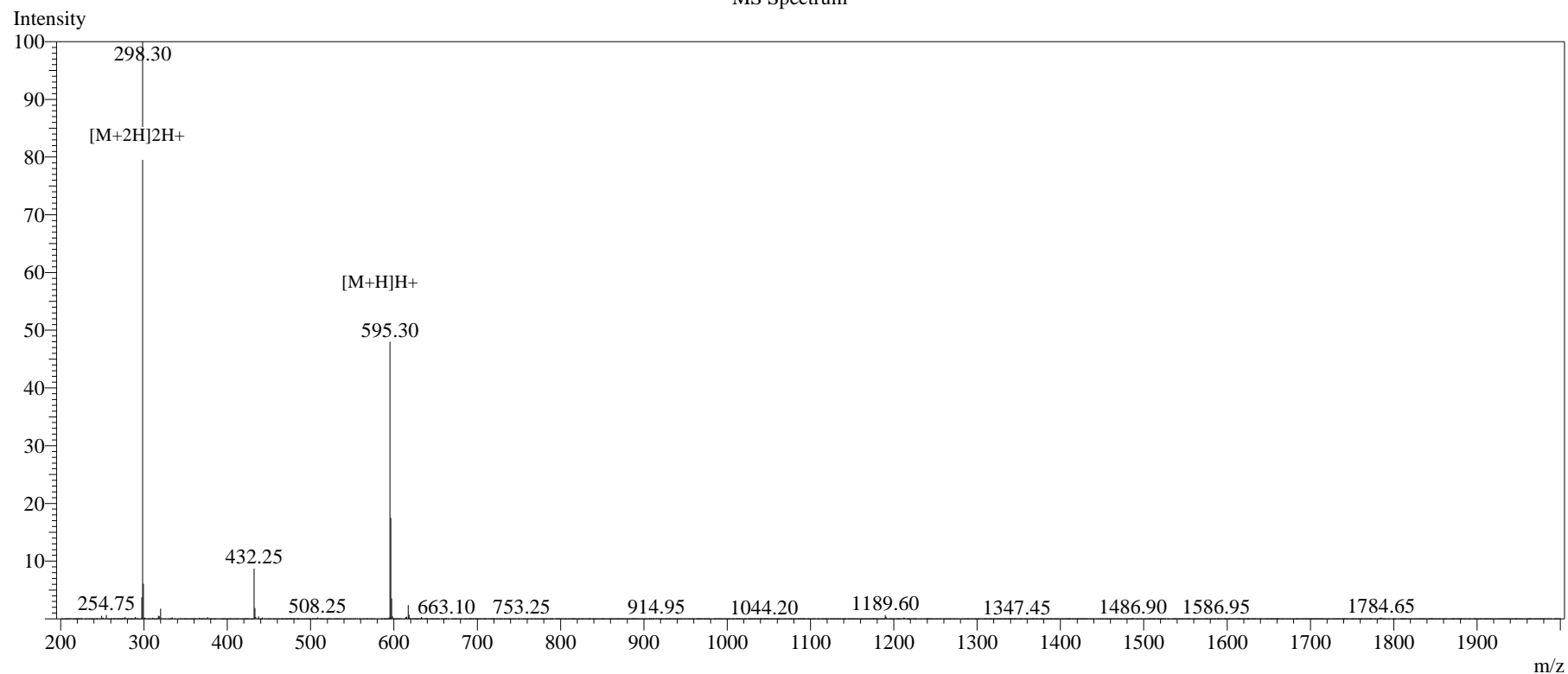


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.062	49537	6991	0.567
2	12.557	5138	658	0.059
3	12.949	14907	2371	0.171
4	13.370	8620967	907839	98.618
5	13.797	51220	3249	0.586
Total		8741770	921109	100.000

### MS Spectrum



### Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/09/21 13:32:24	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	:MTFA31865-2
Name	:Laminin Penta Peptide
Sequence	:YIGSR
Lot.No	:MTFA31865-2-0920
Theoretical	:594.67
Observed	:594.60