

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Influenza HA (529-537) peptide, Cat.#: 301570
<b>Lot No.</b>	GTA34889-0112
<b>Sequence</b>	IYATVAGSL
<b>Dissolution condition</b>	15%ACN+85%H2O
<b>Length</b>	9AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	894.02
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	893.65	Conforms
<b>Purity by HPLC</b>	>95%	98.592%
<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

Jan/31/2023

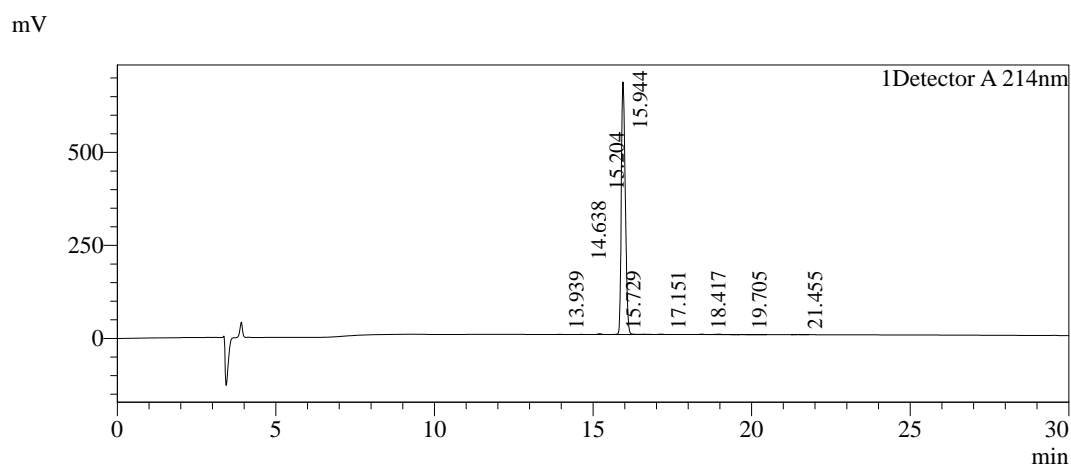


### Sample Information

Order ID :GTA34889  
 Name :Influenza HA (529-537) peptide  
 Sequence :IYATVAGSL  
 Lot. No :GTA34889-0112  
 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 :15% ACN+85% H2O  
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	15
30.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

### Chromatogram

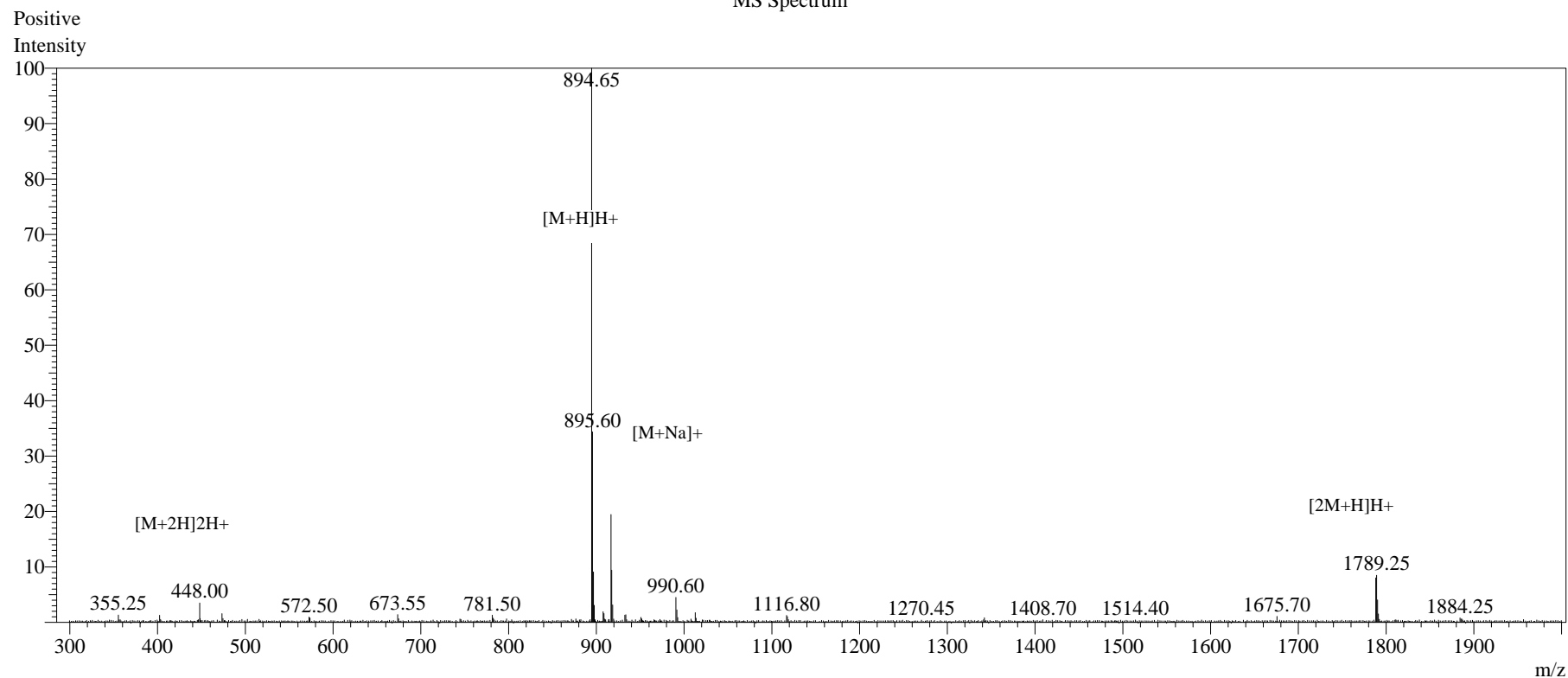


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.939	2167	213	0.036
2	14.638	1322	205	0.022
3	15.204	14809	1901	0.246
4	15.729	2139	508	0.035
5	15.944	5944330	678934	98.592
6	17.151	28278	1064	0.469
7	18.417	24815	1044	0.412
8	19.705	5629	378	0.093
9	21.455	5723	428	0.095
Total		6029212	684676	100.000

## MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/01/30 09:53:04	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

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Theoretical	:894.02
Observed	:893.65