

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Pentapeptide-3 Cat.#319220 (TFA removed)
<b>Lot No.</b>	MTFA30794-1211
<b>Sequence</b>	GPRPA-NH2 (Acetate Salt)
<b>Dissolution condition</b>	100%H2O
<b>Length</b>	5AA
<b>Modification</b>	Acetate salt
<b>Molecular Weight (MW)</b>	495.56
<b>Storage</b>	-20°C

<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	495.60	Conforms
<b>Purity by HPLC</b>	>95%	97.649%
<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>	40mg	5.0mg*8

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

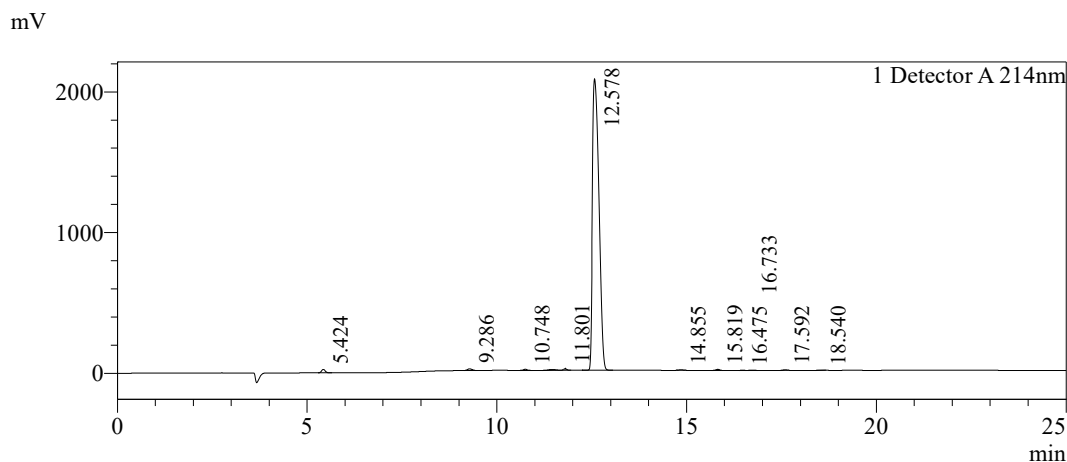
Dec/13/2023



### Sample Information

Order ID :MTFA30794  
 Name :Pentapeptide-3  
 Sequence :GPRPA-NH2 (Acetate Salt)  
 Lot. No :MTFA30794-1211  
 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 :Phenomenex Luna® 5 µm C18(2) (4.6\*250mm\*5 µm)  
 Dissolution method :100%H2O  
 Inj. Volume : 15ul  
 Time Module Action Value  
 0.01 Pumps B.Conc 0.1  
 25.00 Pumps B.Conc 25  
 33.00 Pumps B.Conc 100  
 38.00 Pumps B.Conc 100  
 40.00 Pumps B.Conc 0.1  
 50.00 Controller Stop

### Chromatogram

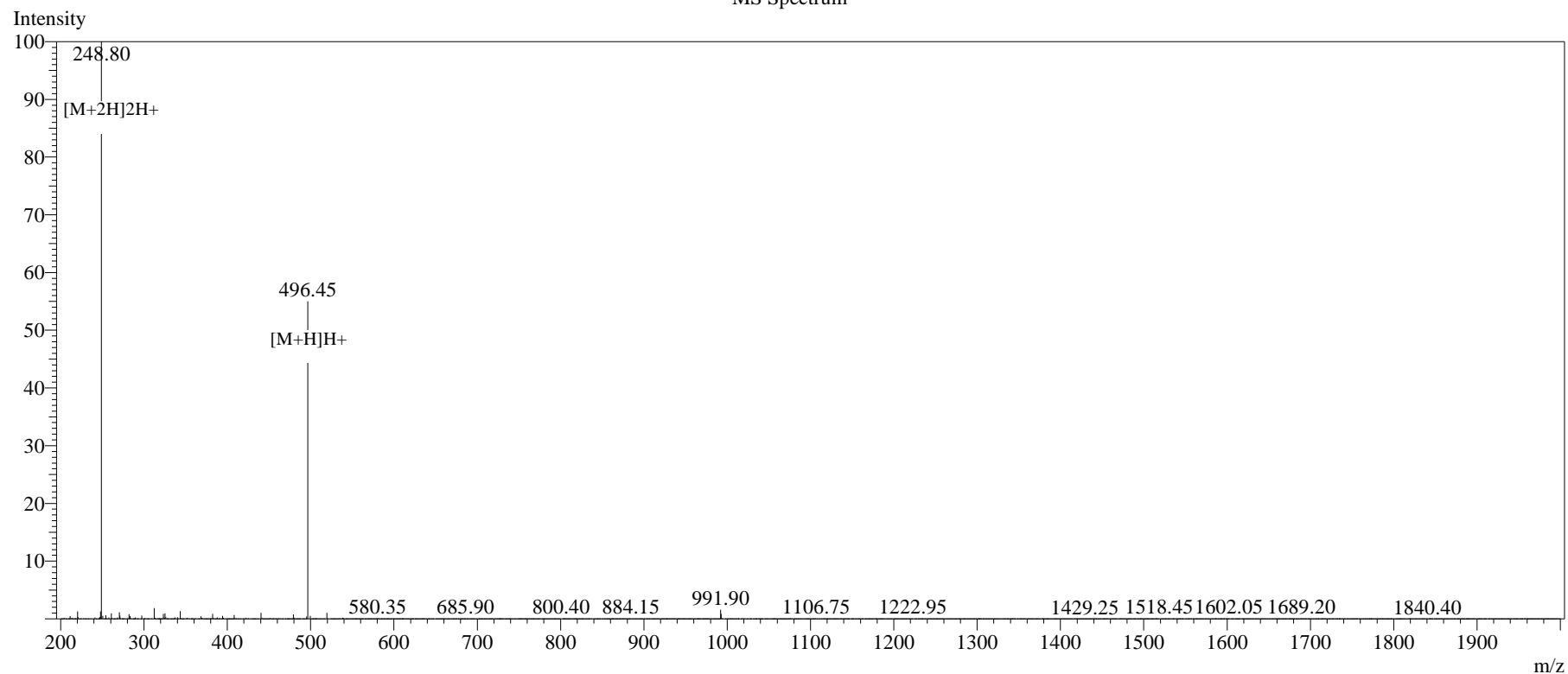


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	5.424	166800	24560	0.655
2	9.286	94181	11023	0.370
3	10.748	49858	8116	0.196
4	11.801	161520	11090	0.635
5	12.578	24848784	2070417	97.649
6	14.855	24940	3633	0.098
7	15.819	45952	7161	0.181
8	16.475	6417	1127	0.025
9	16.733	16492	2236	0.065
10	17.592	21319	3675	0.084
11	18.540	10856	1561	0.043
Total		25447119	2144599	100.000

## MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/12/12 15:06:24	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	:MTFA30794
Name	:五肽-3
Sequence	:GPRPA-NH <sub>2</sub> (Acetate Salt)
Lot.No	:MTFA30794-1211
Theoretical	:495.56
Observed	:495.60