

CERTIFICATE OF ANALYSIS

Product Name	VPM peptide, Cat.#: 319437 (TFA removed)
Lot No.	MTFA32781-0506
Sequence	GCRDVPMSMRGGDRCG (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	16AA
Modification	acetate salt
Molecular Weight (MW)	1696.95
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1696.95	Conforms
Purity by HPLC	>95%	95.293%
TFA content	N/A	N/A
Endotoxin content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	10mg	5.0mg*2

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:



May/09/2025

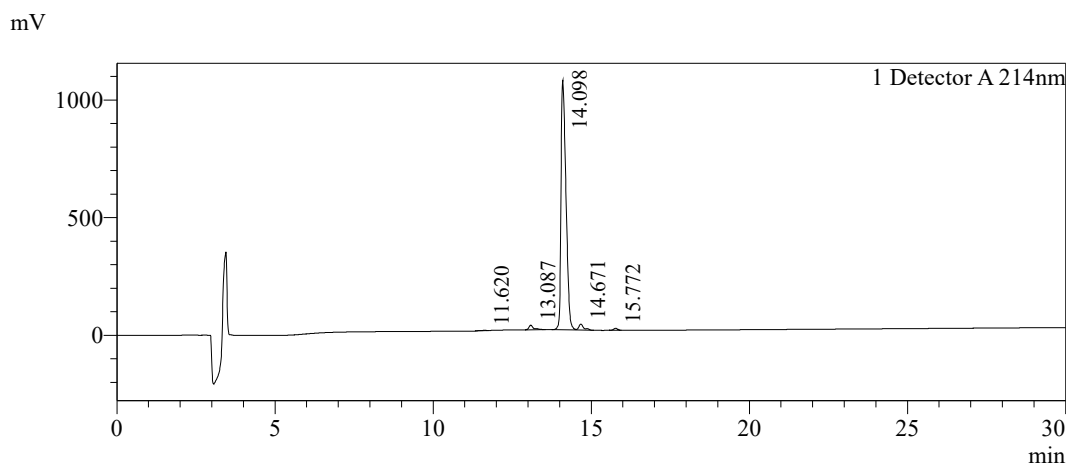
Quality Assurance Department



Sample Information

Order ID	:MTFA32781		
Name	:VPM		
Sequence	:GCRDVPMSMRGGDRCG (Acetate Salt)		
Lot. No	:MTFA32781-0506		
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%H ₂ O		
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

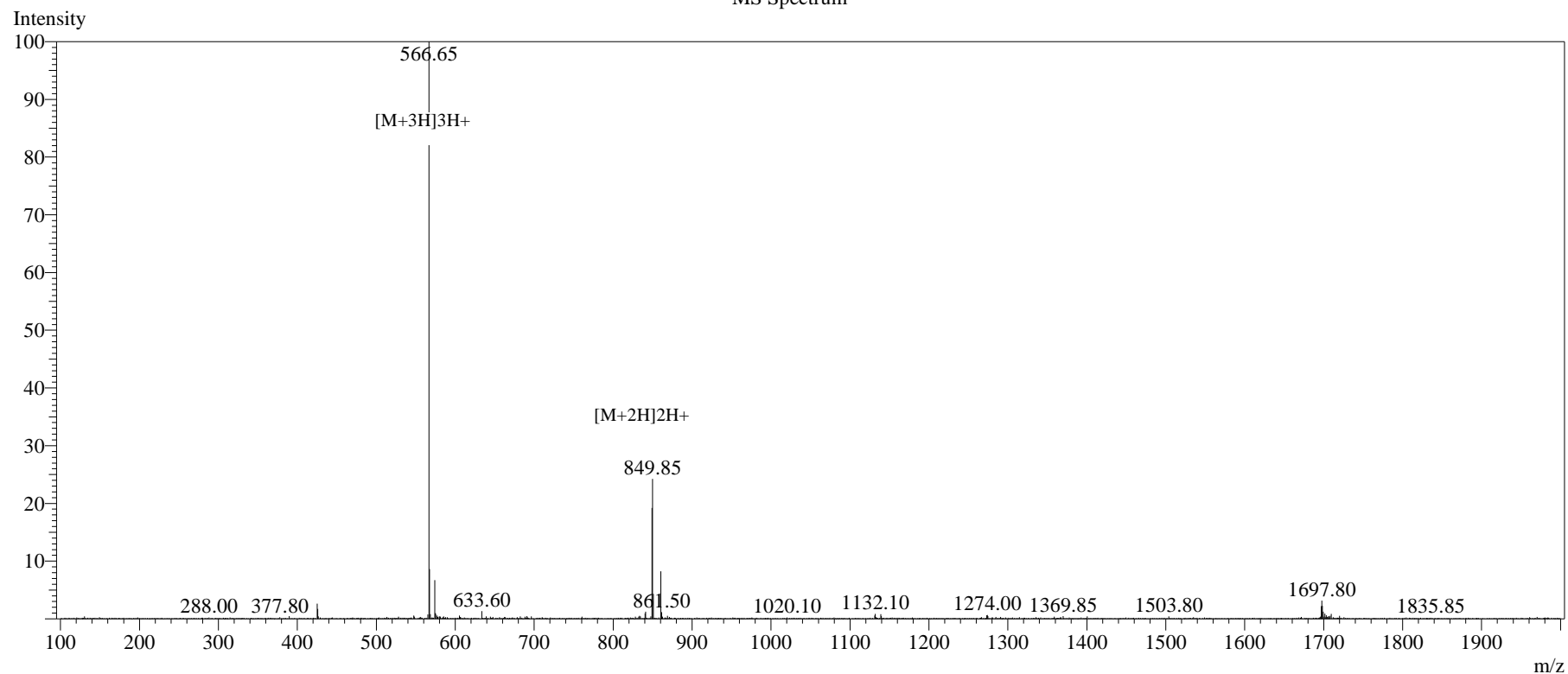


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.620	17711	1487	0.146
2	13.087	195261	19064	1.608
3	14.098	11572538	1060551	95.293
4	14.671	289650	25672	2.385
5	15.772	68963	8172	0.568
Total		12144122	1114946	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/05/07 16:14:35	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 ₂ O/50% ME OH

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Lot.No	:MTFA32781-0506
Theoretical	:1696.95
Observed	:1696.95