

CERTIFICATE OF ANALYSIS

Product Name	Apelin-17 (human, bovine, mouse, rat) (TFA removed), Cat.#: 313845
Lot No.	MTFA33247-250827
Sequence	KFRRQRPRLSHKGPMPPF (Acetate Salt)
Dissolution condition	100%H ₂ O
Modification	Acetate Salt
Molecular Weight (MW)	2138.54
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2138.60	Conforms
Purity by HPLC	>95%	99.611%
Peptide Content	N/A	N/A
TFA 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	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:



Sep/01/2025

Quality Assurance Department

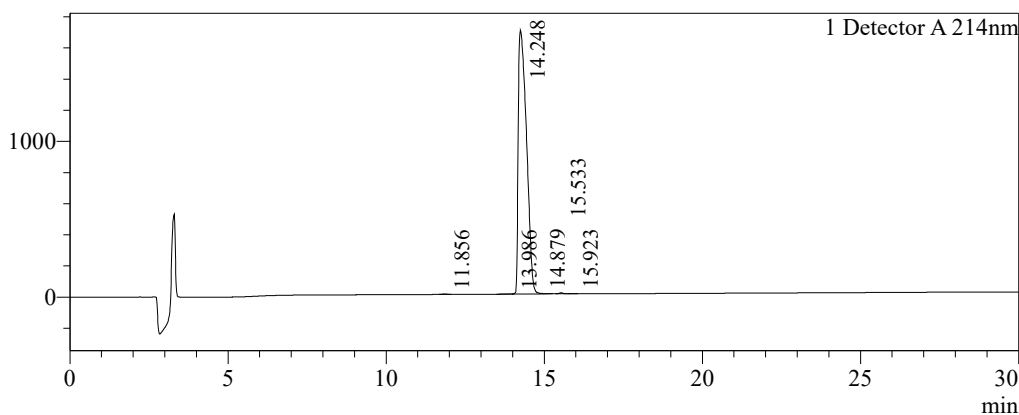


Sample Information

Order ID	:MTFA33247		
Name	:Apelin-17(human, bovine, mouse, rat)		
Sequence	:KFRRQRPRLSHKGPMPPF (Acetate Salt)		
Lot. No	:MTFA33247-250827		
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	: 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

mV

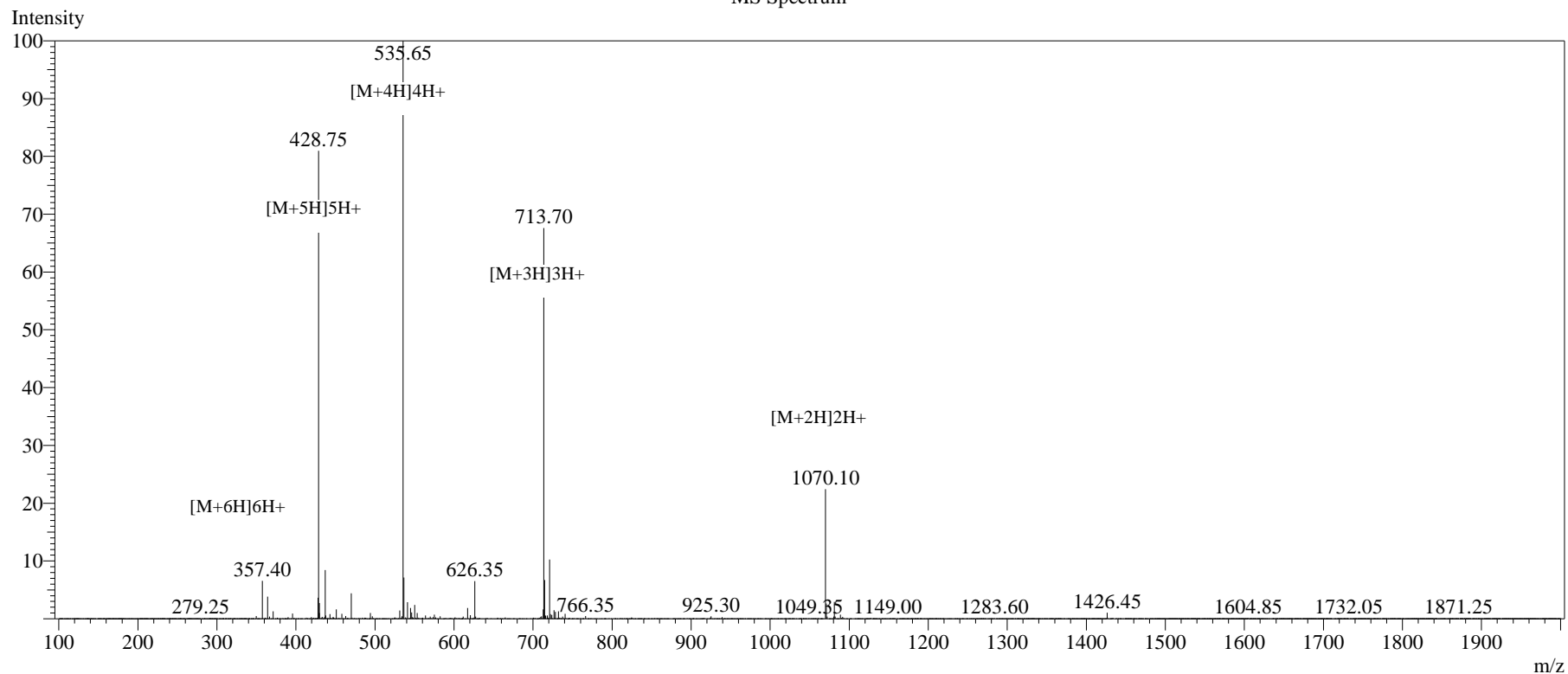


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.856	25295	3197	0.082
2	13.986	5021	320	0.016
3	14.248	30819319	1693603	99.611
4	14.879	35272	3890	0.114
5	15.533	53271	6460	0.172
6	15.923	1619	225	0.005
Total		30939797	1707694	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/08/29 14:07:31	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
Order ID	:MTFA33247				
Name	:Apelin-17(human, bovine, mouse, rat)				
Sequence	:KFR RQRPRLSHKGPMPF (Acetate Salt)				
Lot.No	:MTFA33247-250827				
Theoretical	:2138.54				
Observed	:2138.60				