

## CERTIFICATE OF ANALYSIS

Product Name	Human Defensin-5 (1-9) peptide, Cat.#: 318760 (TFA removed)
Lot No.	MTFA32984-250626
Sequence	ATCYCRTGR-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	9AA
Modification	N/A
Molecular Weight (MW)	1029.19
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1029.00	Conforms
Purity by HPLC	>95%	95.332%
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	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:



Jul/02/2025

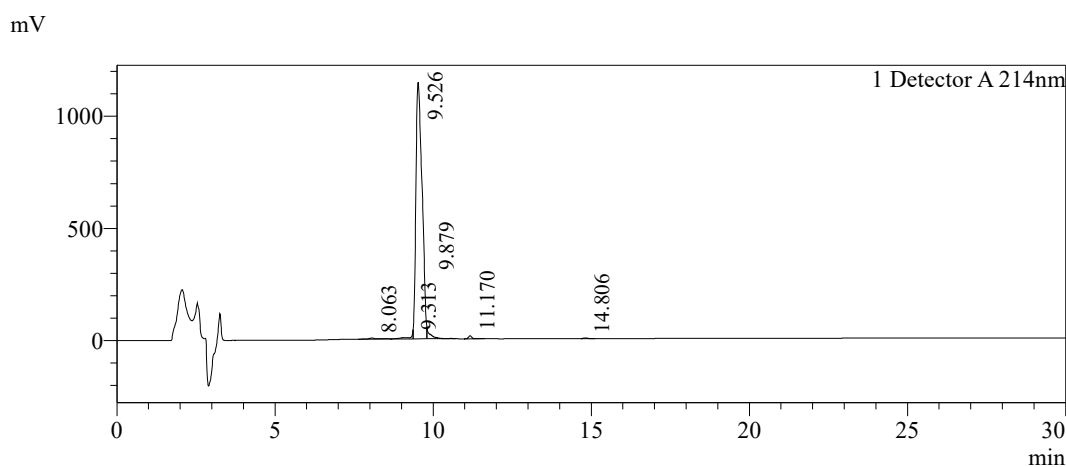
Quality Assurance Department



### Sample Information

Order ID	:MTFA32984		
Name	:Human Defensin-5 (1-9) peptide		
Sequence	:ATCYCRTGR-NH2 (Acetate Salt)		
Lot. No	:MTFA32984-250626		
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	: 50ul		
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

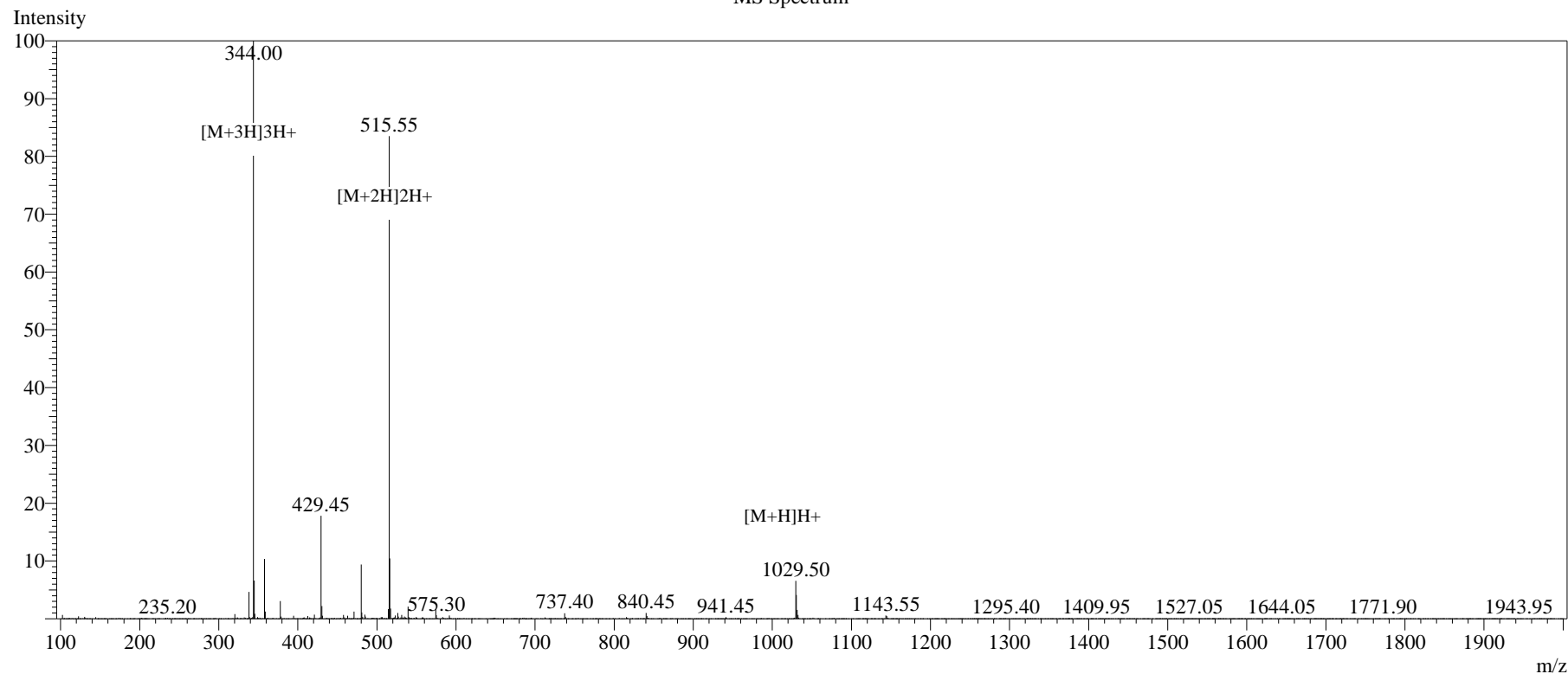


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	8.063	89355	4626	0.549
2	9.313	195971	7309	1.205
3	9.526	15505757	1143295	95.332
4	9.879	349092	22437	2.146
5	11.170	98251	13584	0.604
6	14.806	26617	3303	0.164
Total		16265043	1194554	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/06/27 14:59:52	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% ME OH
Order ID	:MTFA32984				
Name	:Human Defensin-5 (1-9) peptide				
Sequence	:ATCYCRTGR-NH <sub>2</sub> (Acetate Salt)				
Lot.No	:MTFA32984-250626				
Theoretical	:1029.19				
Observed	:1029.00				