

CERTIFICATE OF ANALYSIS

Product Name	Cathelicidin-PY (Cat.#309810)
Lot No.	GTA32735-0430
Sequence	RKC*NFLC*KLKEKLRTVITSHIDKVLRPQG
Dissolution condition	100%H2O
Length	29AA
Modification	disulfide bond C3-C7
Molecular Weight (MW)	3423.12
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3423.30	Conforms
Purity by HPLC	>95%	95.548%
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	5mg	5.0mg

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

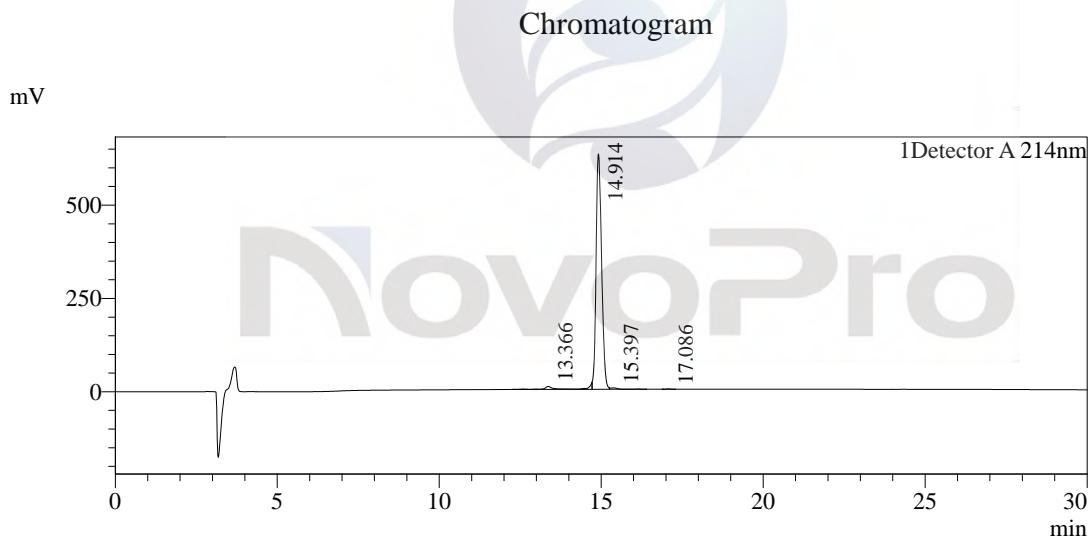
May/19/2020



Sample Information

Order ID :GTA32735
 Name :N/A
 Sequence :RKC*NFLC*KLKEKLRTVITSHIDKVLRPQG
 Lot. No :GTA32735-0430
 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 :SHIMADZU Inertsil ODS-SP(4.6*250mm*5um)
 Dissolution method :100% H2O
 Inj. Volume : 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	30
30.00	Pumps	B.Conc	60
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	30
50.00	Controller	Stop	

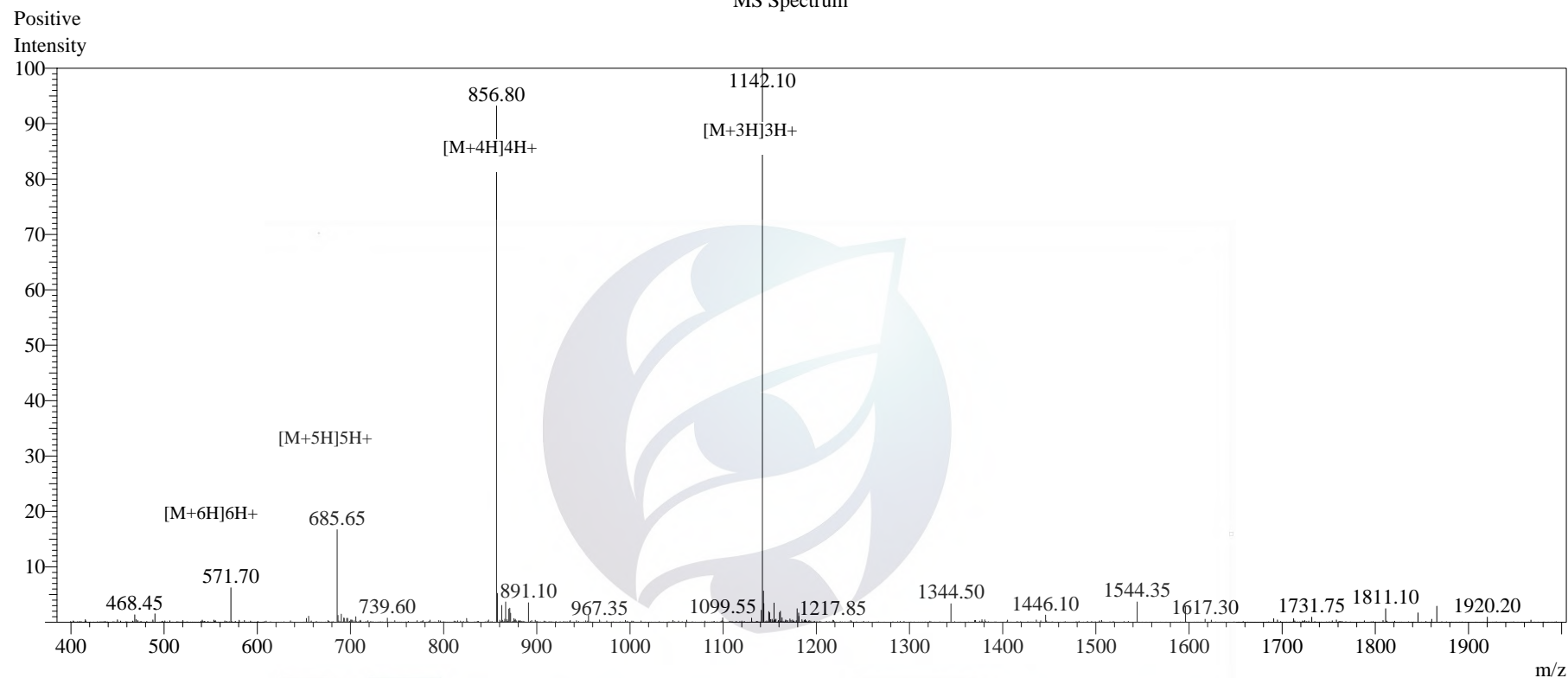


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.366	276076	7859	3.533
2	14.914	7466881	630721	95.548
3	15.397	63052	3675	0.807
4	17.086	8766	859	0.112
Total		7814775	643113	100.000

MS Spectrum



Sample Information

Dissolution method	:5% HAC+8% ACN+87% H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2020/05/19 09:28:32	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% H2O/50% MEOH

Order ID	:GTA32735
Name	:N/A
Sequence	:RKC*NFLC*KLKEKLRTVITSHIDKVL RPQG
Lot.No	:GTA32735-0430
Theoretical	:3423.12
Observed	:3423.30