


CERTIFICATE OF ANALYSIS

Product Name	Dermcidin - DCD-1 peptide, Cat.#: 319183 (TFA removed)
Lot No.	MTFA30501-1-0920
Sequence	SSLLEKGLDGAKKAVGGLGKLGKDAVEDLESVGKGA VHDVK DVLDSV (Acetate Salt)
Dissolution condition	2%NH ₃ .H ₂ O+18%ACN+80%H ₂ O
Length	47AA
Modification	Acetate salts
Molecular Weight (MW)	4705.26
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4705.00	Conforms
Purity by HPLC	>95%	95.179%
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:



Quality Assurance Department

Oct/24//2023

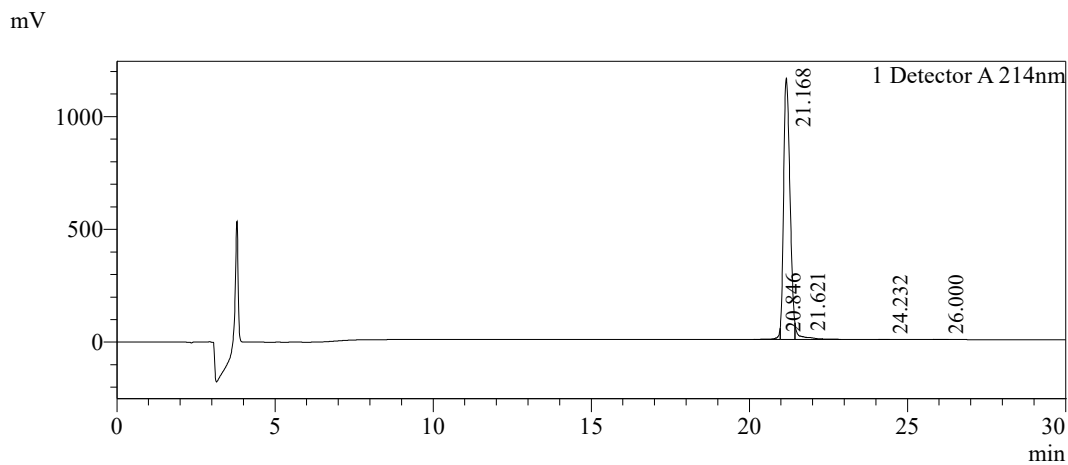


Sample Information

Order ID :MTFA30501-1
 Name :Dermcidin-DCD-1
 Sequence :SSLLEKGLDGAKKAVGGLGKLGKDAVEDLESVGKGAVHDVKD
 VLDSV (Acetate Salt)
 Lot. No :MTFA30501-1-0920
 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 :2%NH3.H2O+18%ACN+80%H2O
 Inj. Volume : 35ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

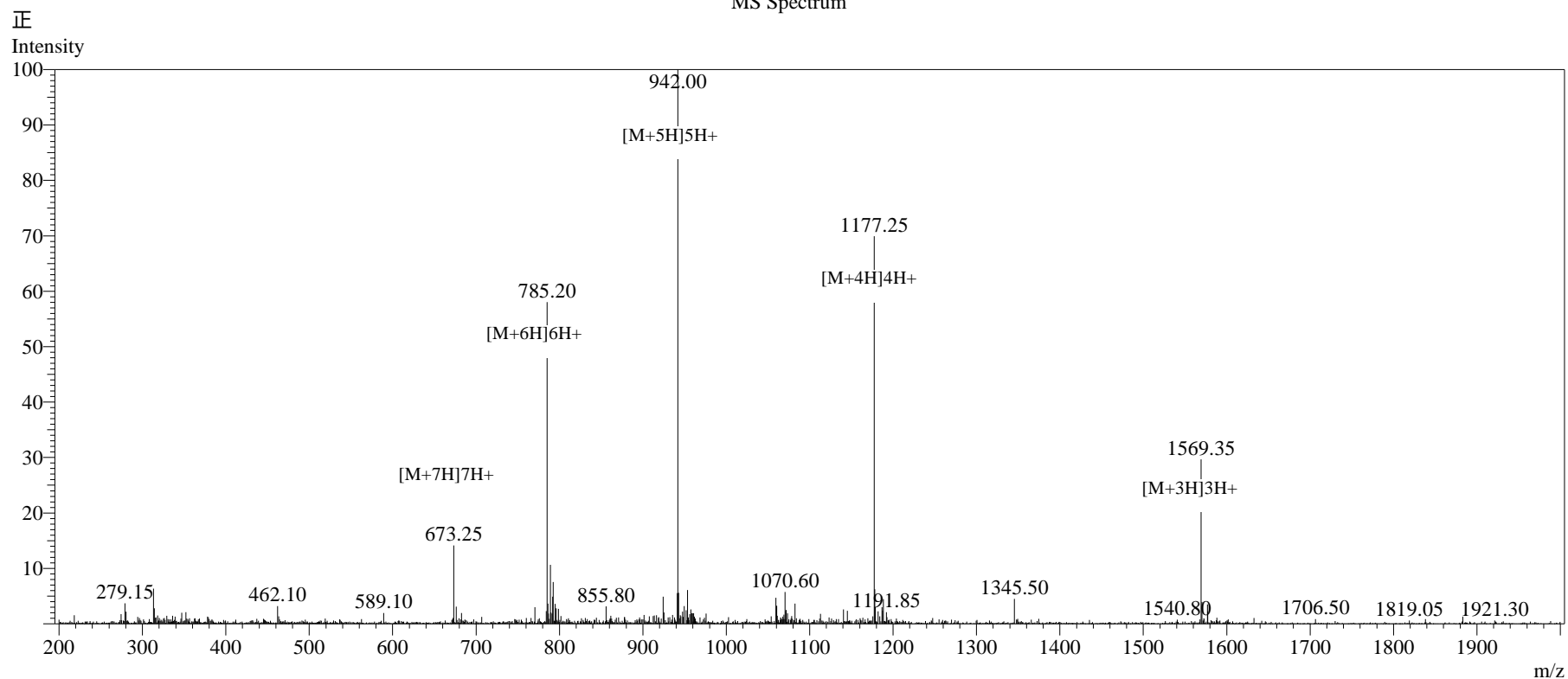


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	20.846	215186	6021	1.257
2	21.168	16300184	1157892	95.179
3	21.621	602471	14159	3.518
4	24.232	1391	156	0.008
5	26.000	6565	579	0.038
Total		17125797	1178806	100.000

MS Spectrum



Sample Information

Dissolution method	:2%NH ₃ .H ₂ O+18%ACN+80%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/10/18 11:16:06	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% MEOH

Order ID	:MTFA30501-1
Name	:Dermcidin-DCD-1
Sequence	:SSLLEKGLDGAKKAVGGLGKLGKDAVEDLESVGKGAHVHDVKDVLDSV (Acetate Salt)
Lot.No	:MTFA30501-1-0920
Theoretical	:4705.26
Observed	:4705.00