
CERTIFICATE OF ANALYSIS

Product Name	Lactocin 705 beta chain, Cat.#: 319523
Lot No.	MTFA30408-3-0824
Sequence	GFWGGLGYIAGRVGAAAYGHAQASANNHHSPING
Dissolution condition	100%H ₂ O
Length	33AA
Modification	N/A
Molecular Weight (MW)	3308.57
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3308.75	Conforms
Purity by HPLC	>95%	96.945%
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	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:



Quality Assurance Department

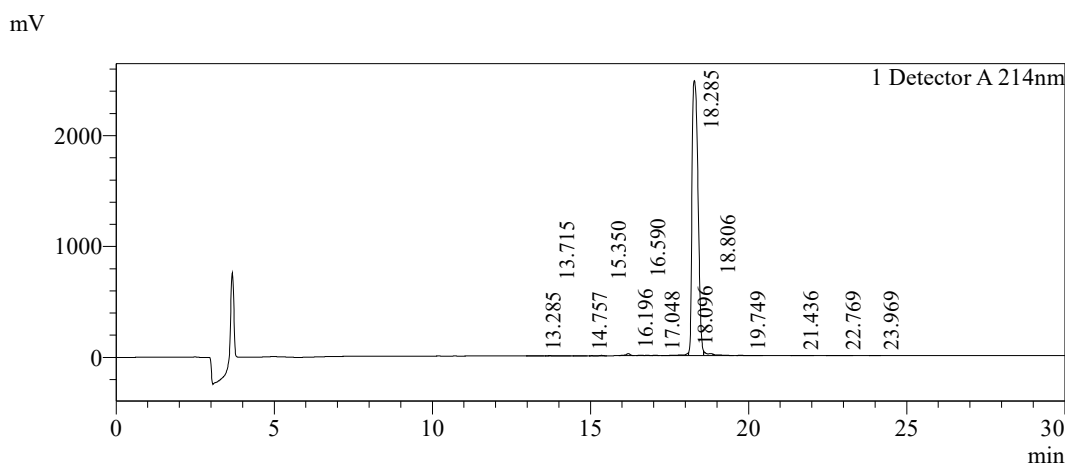
Sep/28/2023



Sample Information

Order ID :MFA30408-3
 Name :Lactocin 705 beta chain
 Sequence :GFWGGLGYIAGRVGAAAYGHAQASANNHHSPING
 Lot. No :MFA30408-3-0824
 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 :Shim-pack GIST C18(4.6*250mm*5um)
 Dissolution method :100%H2O
 Inj. Volume : 40ul
 Time Module Action Value
 0.01 Pumps B.Conc 20
 30.00 Pumps B.Conc 50
 33.00 Pumps B.Conc 100
 38.00 Pumps B.Conc 100
 40.00 Pumps B.Conc 20
 50.00 Controller Stop

Chromatogram

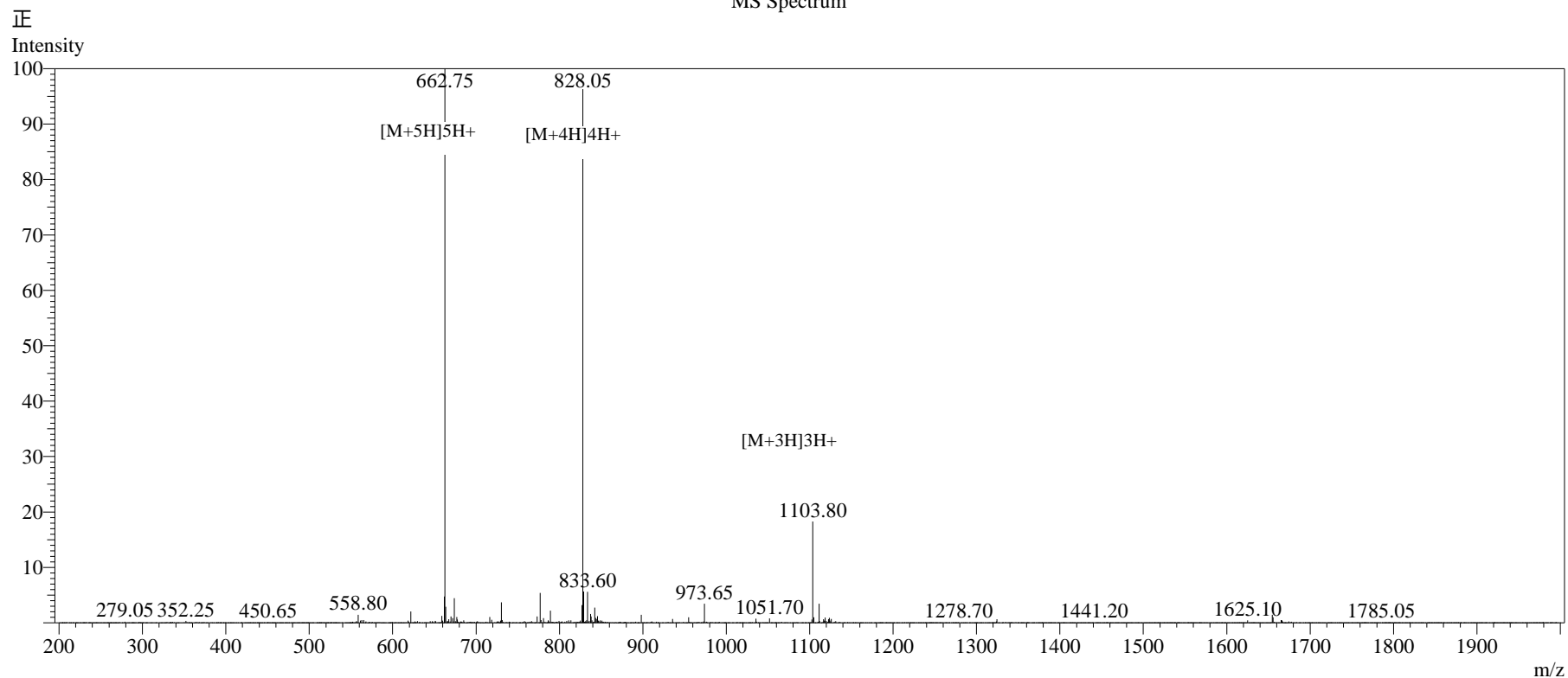


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.285	14123	1300	0.042
2	13.715	28766	2029	0.085
3	14.757	12805	759	0.038
4	15.350	34404	3630	0.102
5	16.196	173950	17472	0.515
6	16.590	45293	3542	0.134
7	17.048	21734	3228	0.064
8	18.096	197188	22409	0.584
9	18.285	32731571	2479001	96.945
10	18.806	436297	17793	1.292
11	19.749	34219	1811	0.101
12	21.436	14109	755	0.042
13	22.769	11206	726	0.033
14	23.969	7382	879	0.022
Total		33763047	2555333	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/09/12 11:31:54	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

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Theoretical	:3308.57
Observed	:3308.75