

CERTIFICATE OF ANALYSIS

Product Name	Casein alpha-s2 [092-098], Cat.#: 300689
Lot No.	GTA34413-2-0728
Sequence	FPQYLQY
Dissolution condition	100%H2O
Length	7AA
Modification	N/A
Molecular Weight (MW)	958.07
Storage	-20°C

Test Items	Specifications	Results
MW by MS	958.00	Conforms
Purity by HPLC	>95%	98.978%
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

Aug/14/2022

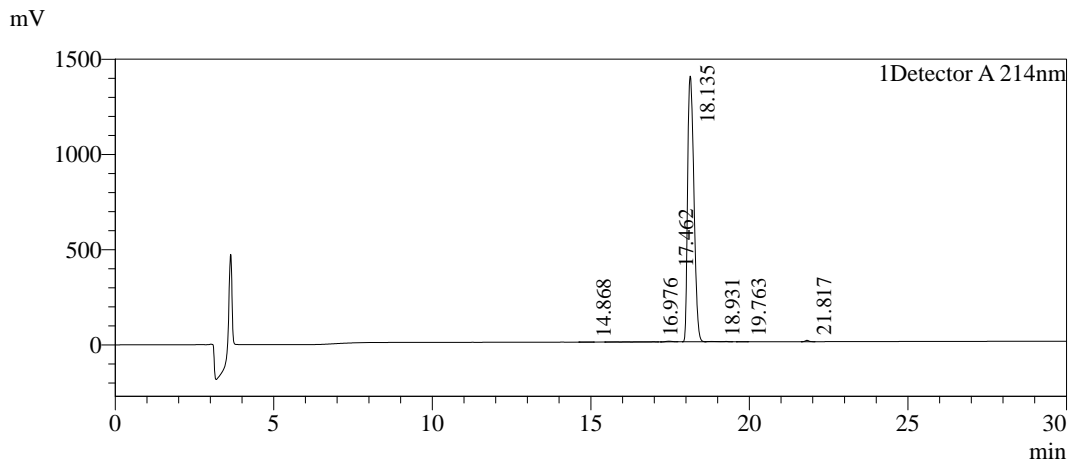


Sample Information

Order ID :GTA34413-2
 Name :Casein alpha-s2 092-098
 Sequence :FPQYLQY
 Lot. No :GTA34413-2-0728
 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 :YMC-Triart C18(4.6*250mm*5um)
 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

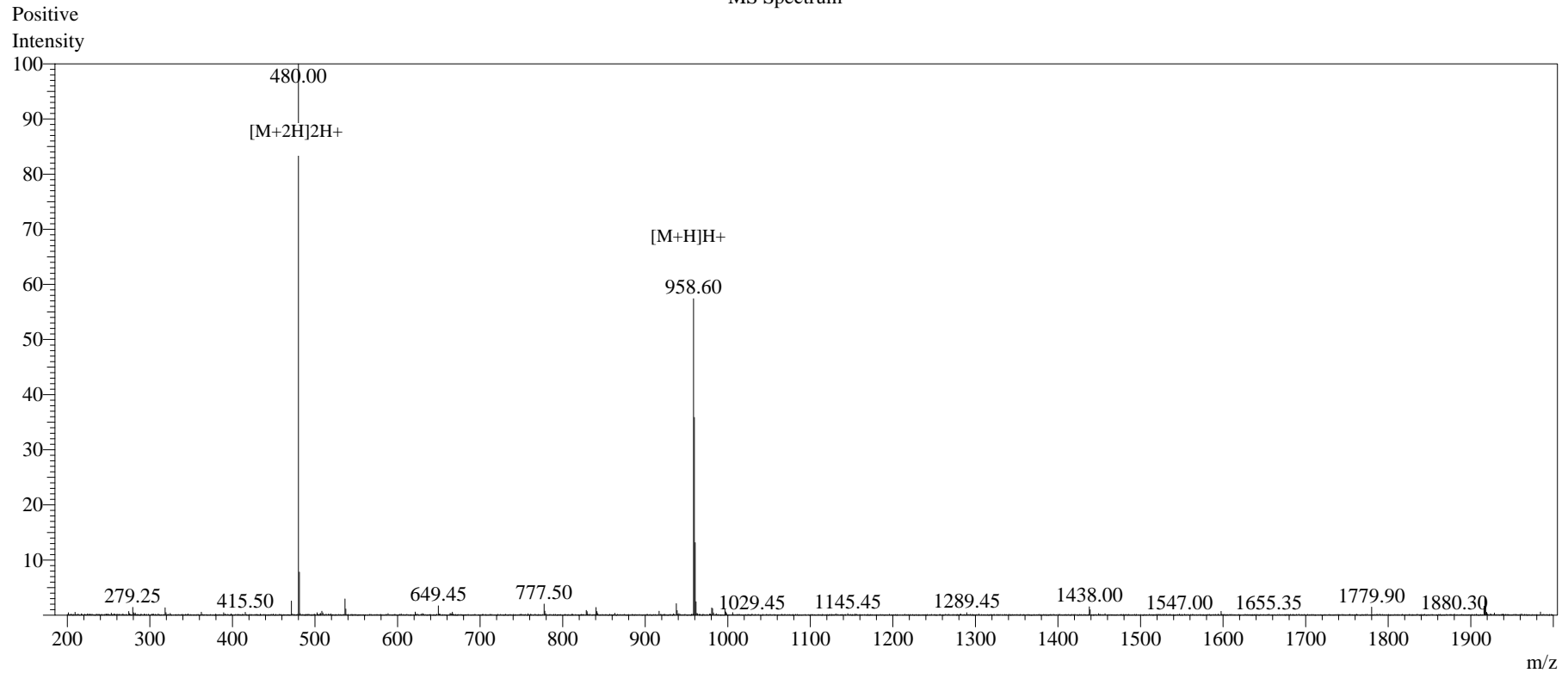


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.868	6297	532	0.032
2	16.976	27063	712	0.138
3	17.462	46560	3485	0.238
4	18.135	19343055	1396039	98.978
5	18.931	61972	2212	0.317
6	19.763	4855	484	0.025
7	21.817	52969	7071	0.271
Total		19542770	1410536	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2022/08/08 12:17:28	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% H ₂ O/50% MEOH
Order ID	:GTA34413-2				
Name	:Casein alpha-s2 092-098				
Sequence	:FPQYLQY				
Lot.No	:GTA34413-2-0728				
Theoretical	:958.07				
Observed	:958.00				