

CERTIFICATE OF ANALYSIS

Product Name Casein alpha-s1 [186-197], Cat.#: 309837

Lot No. GTA34413-1-0728

Sequence IGSENSEKTTMP

Dissolution condition 100%H2O

Length 12AA

Modification N/A

Molecular Weight (MW) 1293.40

Storage -20°C

Test Items	Specifications	Results
MW by MS	1293.40	Conforms
Purity by HPLC	>95%	97.529%
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 :GTA34413-1

Name :Casein alpha-s1 186-197 Sequence :IGSENSEKTTMP Lot. No :GTA34413-1-0728

Pump A :0.1%Trifluoroacetic in 100% water Pump B :0.1%Trifluoroacetic in 100% acetonitrile

Total Flow :1ml/min Wavelength :214nm

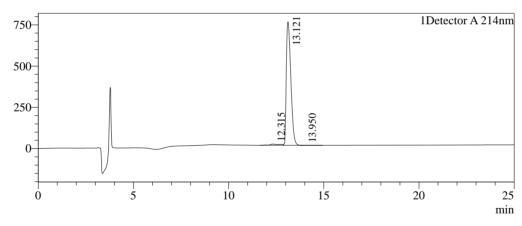
Analytial column type :YMC-Triart C18(4.6*250mm*5um)

Dissolution method :100%H2O Inj. Volume :25ul

Module Time Action Value 0.01 **Pumps** B.Conc 10 Pumps 25.00 B.Conc 35 B.Conc 100 33.00 **Pumps** 38.00 Pumps B.Conc 100 B.Conc 40.00 Pumps 10 50.00 Controller Stop

Chromatogram





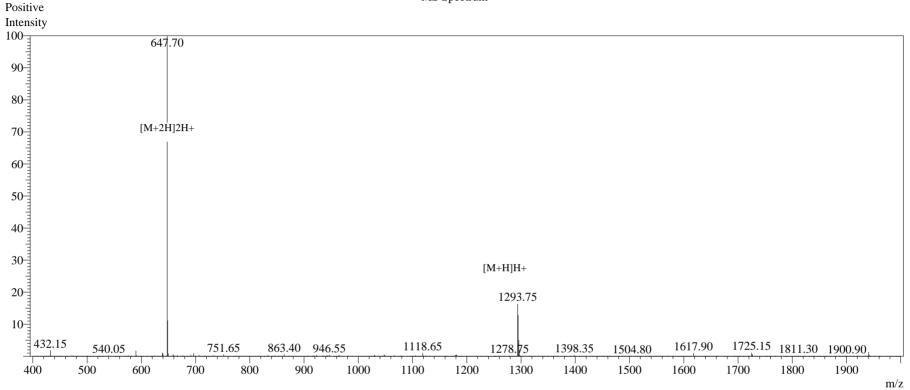
Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.315	288302	7492	2.295
2	13.121	12251574	748474	97.529
3	13.950	22111	697	0.176
Total		12561988	756663	100.000



MS Spectrum



Sample Information

Dissolution method 15% ACN+85% H2O 2022/08/13 14:47:52

Injection Volume :0.2ul Block Temp :200

Order ID :GTA34413-1

Name :Casein alpha-s1 186-197 Sequence :IGSENSEKTTMP Lot.No :GTA34413-1-0728

Theoretical :1293.40 Observed :1293.40

Interface :ES Nebulizing Gas Flow :1.5 CDL Temp :250 CDL Volt :0v)L/min Detector	:+4.5kv :-0.2kv :0.2ml/min :50% H2O/50% MEOH
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