

## **CERTIFICATE OF ANALYSIS**

Product Name	beta-Casomorphin-5 peptide, Cat.#: 303337	
Lot No.	MTFA30366-1-0810	
Sequence	YPFVE	
Dissolution condition	100%H2O	
Length	5AA	
Modification	N/A	
Molecular Weight (MW)	653.73	
Storage	-20°C	

Test Items	Specifications	Results
MW by MS	953.12	Conforms
Purity by HPLC	>95%	95.504%
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	40mg	5.0mg*8

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/16/2023

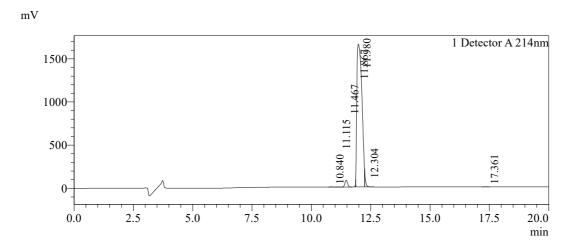




# Sample Information

Order ID Name Sequence Lot. No Pump A	:MTFA30366-1 :beta-Casomorphin-5 pe :YPFVE :MTFA30366-1-0810 :0.1%Trifluoroacetic i	-		
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile			
Total Flow	:1ml/min			
Wavelength	:214nm			
Analytial column type	:Shim-pack GIST C18	8(4.6*250mm*5um)		
Dissolution method	:100%H2O			
Inj. Volume	: 15ul			
Time	Module	Action	Value	
0.01	Pumps	B.Conc	20	
20.00	Pumps	B.Conc	40	
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 21	<u>4nm</u>			
Peak#	Ret. Time	Area	Height	Area%
1	10.840	9908	1397	0.038
2	11.115	6119	788	0.024
3	11.467	605902	77939	2.345
4	11.867	74111	85745	0.287
5	11.980	24677947	1653837	95.504
6	12.304	452385	47179	1.751
7	17.361	13314	1817	0.052
Total		25839687	1868702	100.000



#### MS Spectrum

#### Positive Intensity

