

CERTIFICATE OF ANALYSIS

Product Name	Vasoactive intestinal polypeptide, VIP, Cat.#: 312079	
Lot No.	MTFA30550-1007	
Sequence	HSDAVFTDNYTRLRKQMAVKKYLNSILN	
Dissolution condition	100%H2O	
Length	33AA	
Modification	N/A	
Molecular Weight (MW)	3326.78	
Storage	-20°C	

Test Items	Specifications	Results
MW by MS	3226.80	Conforms
Purity by HPLC	>95%	95.368%
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:

Oct/23/2023



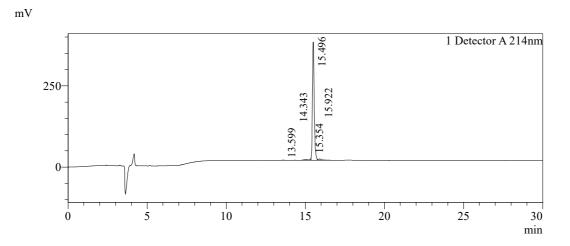


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Sample Information

Order ID	:MTFA30550				
Name	:Vasoactive intestinal polypeptide				
Sequence	:HSDAVFTDNYTRLRKÖMAVKKYLNSILN				
Lot. No	:MTFA30550-1007				
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	: Phenomenex Luna \otimes 5 μ m C18(2) (4.6*250mm*5 μ m)				
Dissolution method	:100%H2O	•	• /		
Inj. Volume	: 25ul				
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	13.599	4685	461	0.157		
2	14.343	1754	281	0.059		
3	15.354	62322	5814	2.083		
4	15.496	2853716	363258	95.368		
5	15.922	69839	4356	2.334		
Total		2992316	374169	100.000		



