

## CERTIFICATE OF ANALYSIS

Product Name	Pancragen peptide, Cat.#: 319699 (TFA removed)
Lot No.	MTFA33147-02-250803
Sequence	KEDW (Acetate Salt)
Dissolution condition	100%H <sub>2</sub> O
Modification	acetate salt
Molecular Weight (MW)	576.60
Storage	-20°C

Test Items	Specifications	Results
MW by MS	576.25	Conforms
Purity by HPLC	>95%	98.043%
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:



Aug/12/2025

Quality Assurance Department



### Sample Information

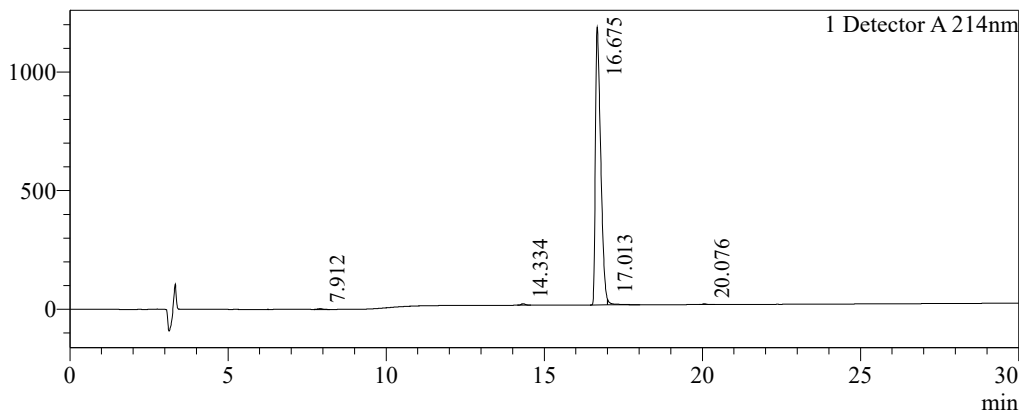
Order ID	:MTFA33147-02
Name	:Pancreagen
Sequence	:KEDW (Acetate Salt)
Lot. No	:MTFA33147-02-250803
Pump A	:0.1%Trifluoroacetic in 100% water
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile
Total Flow	:1ml/min
Wavelength	:214nm
Analytical column type	:Kromasil 100-5-C18 (4.6*250mm*5 µm)
Dissolution method	:100%H <sub>2</sub> O
Inj. Volume	: 5ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	10
30.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

### Chromatogram

mV

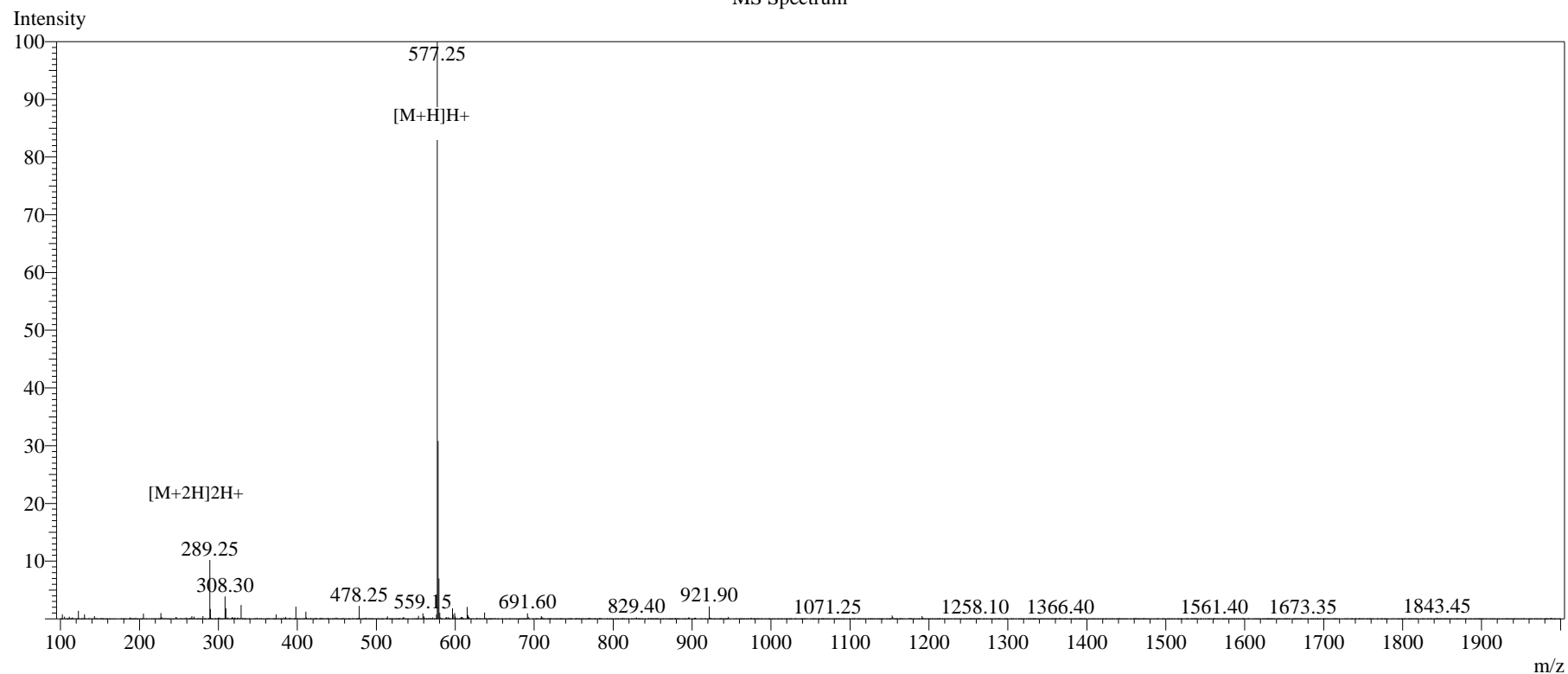


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	7.912	33057	3515	0.238
2	14.334	56517	6229	0.407
3	16.675	13631134	1169879	98.043
4	17.013	160899	21353	1.157
5	20.076	21552	2724	0.155
Total		13903159	1203700	100.000

# MS Spectrum



## Sample Information

Dissolution method :15% ACN+85% H<sub>2</sub>O  
 Date Acquired :2025/08/05 11:02:34  
 Injection Volume :0.2ul  
 Block Temp :200

Interface :ESI  
 Nebulizing Gas Flow :1.50L/min  
 CDL Temp :250°C  
 CDL Volt :0v

Prerod Bias :+4.5kv  
 Detector :-.0.2kv  
 T.Flow :0.2ml/min  
 B.conc :50% H<sub>2</sub>O/50% ME OH

Order ID :MTFA33147-02  
 Name :Pancreagen  
 Sequence :KEDW (Acetate Salt)  
 Lot.No :MTFA33147-02-250803  
 Theoretical :576.60  
 Observed :576.25