

---

CERTIFICATE OF ANALYSIS

---

Product Name	PSM $\alpha$ 2, Cat.#: 319560 (TFA removed)
Lot No.	MTFA33005-02-250701
Sequence	MGIIAGIIKFIKGLIEKFTGK (Acetate Salt)
Dissolution condition	100%H <sub>2</sub> O
Length	21AA
Modification	acetate salt
Molecular Weight (MW)	2277.90
Storage	-20°C

---

Test Items	Specifications	Results
MW by MS	2278.00	Conforms
Purity by HPLC	>95%	98.898%
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	10mg	5.0mg*2

---

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:



Jul/04/2025

Quality Assurance Department

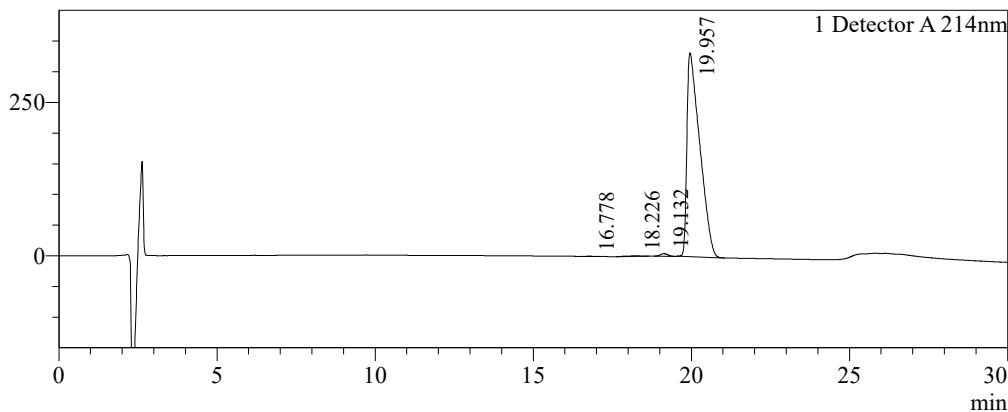


### Sample Information

Order ID	:MTFA33005-02		
Name	:PSM $\alpha$ 2		
Sequence	:MGIIAGIIKFIKGLIEKFTGK (Acetate Salt)		
Lot. No	:MTFA33005-02-250701		
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 $\mu$ m)		
Dissolution method	:100%H <sub>2</sub> O		
Inj. Volume	: 40ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	50
30.00	Pumps	B.Conc	80
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	50
50.00	Controller	Stop	

### Chromatogram

mV

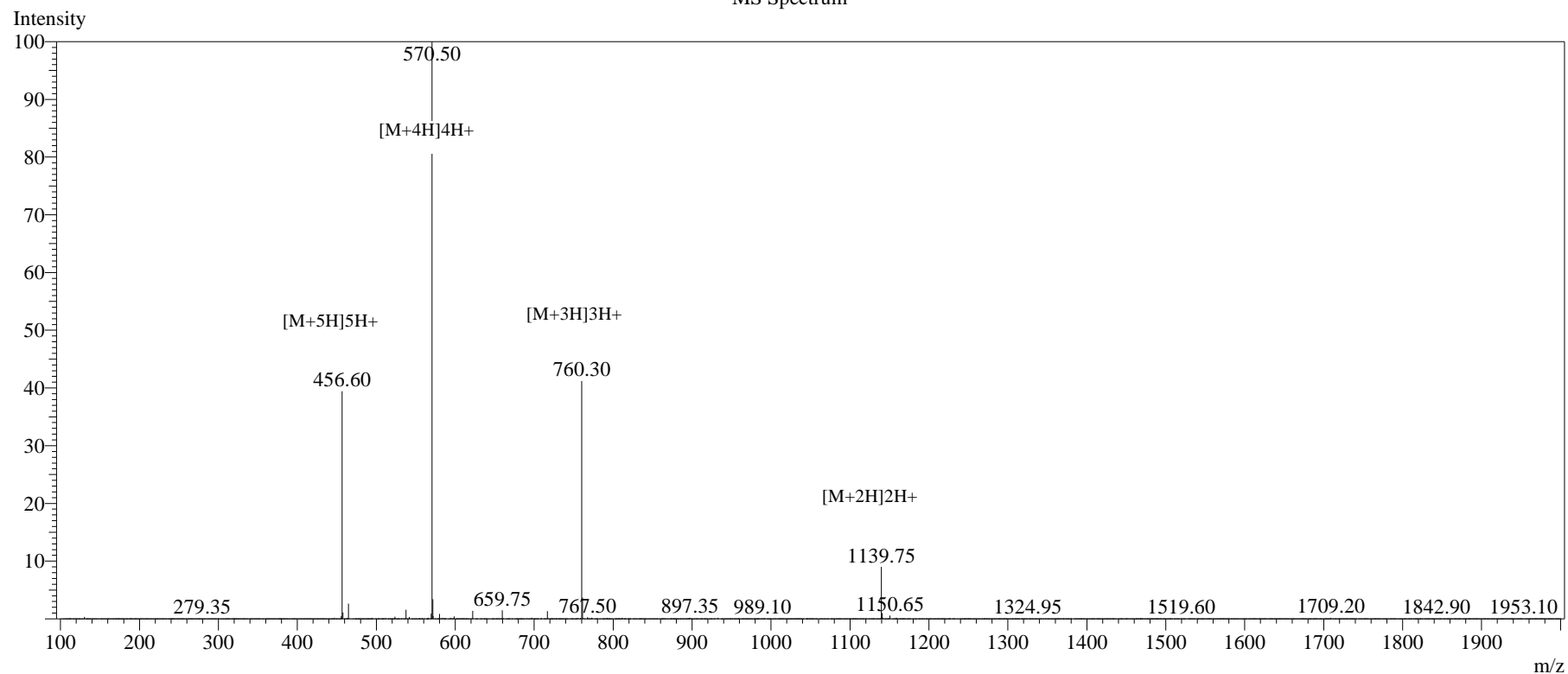


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	16.778	4563	376	0.048
2	18.226	30413	972	0.320
3	19.132	69947	4203	0.735
4	19.957	9413337	332555	98.898
Total		9518260	338106	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15% ACN+85% H <sub>2</sub> O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/07/02 10:45:21	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H <sub>2</sub> O/50% ME OH

Order ID	:MTFA33005-02
Name	:PSM $\alpha$ 2
Sequence	:MGIIAGIIKFIKGLIEKFTGK(Acetate Salt)
Lot.No	:MTFA33005-02-250701
Theoretical	:2277.90
Observed	:2278.00