

## CERTIFICATE OF ANALYSIS

Product Name	PSM $\alpha$ 4, Cat.#: 319561 (TFA removed)
Lot No.	MTFA33005-04-250701
Sequence	MAIVGTIIKIIKAIIDIFAK (Acetate Salt)
Dissolution condition	15%ACN+85%H <sub>2</sub> O
Length	20AA
Modification	acetate salt
Molecular Weight (MW)	2171.81
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2171.70	Conforms
Purity by HPLC	>95%	98.517%
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



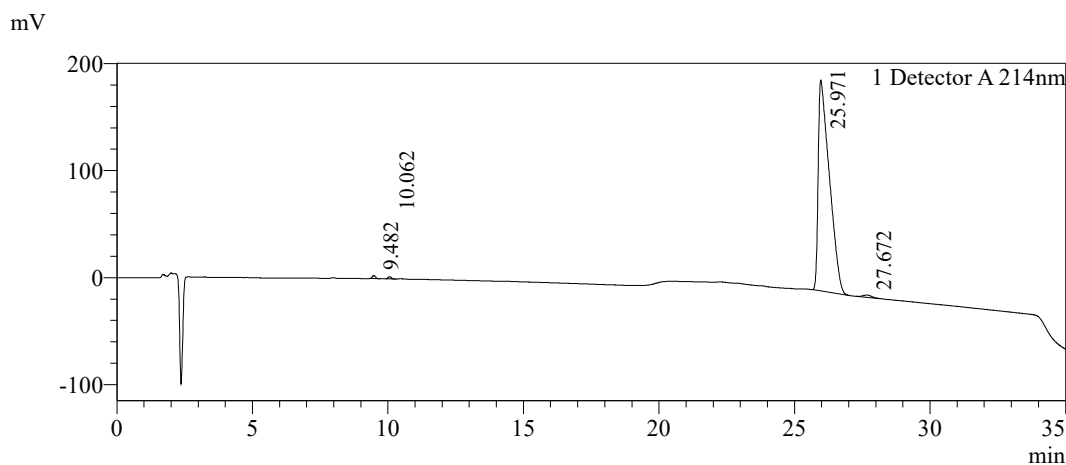
### Sample Information

Order ID	:MTFA33005-04
Name	:PSMα4
Sequence	:MAIVGTIIKIIKAIDIFAK (Acetate Salt)
Lot. No	:MTFA33005-04-250701
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 μm)
Dissolution method	:15%ACN+85%H <sub>2</sub> O
Inj. Volume	: 40ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	55
30.00	Pumps	B.Conc	85
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	55
50.00	Controller	Stop	

### Chromatogram

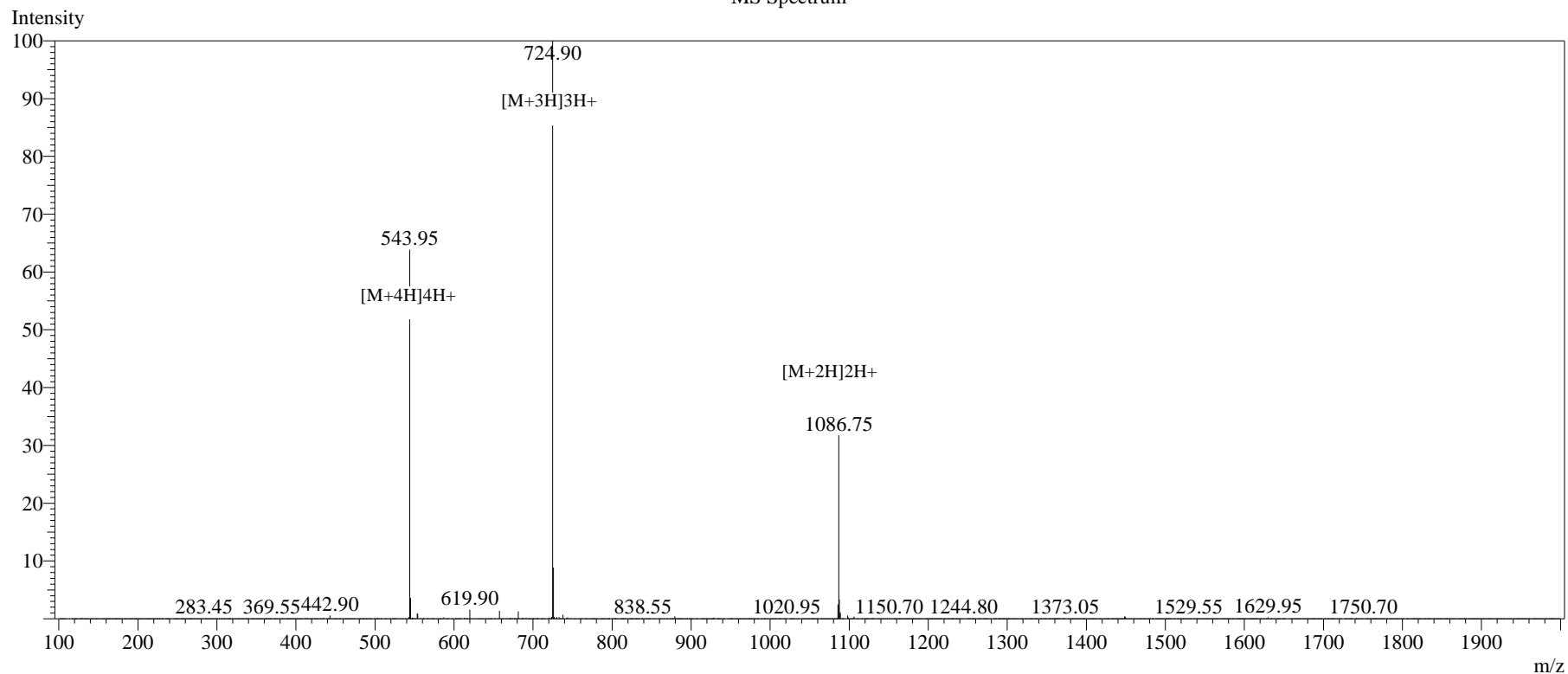


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.482	23316	2833	0.407
2	10.062	15568	1927	0.272
3	25.971	5641355	196627	98.517
4	27.672	46031	2197	0.804
Total		5726270	203584	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 10:43:12	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	:MTFA33005-04
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Lot.No	:MTFA33005-04-250701
Theoretical	:2171.81
Observed	:2171.70