CERTIFICATE OF ANALYSIS

Product Name	Mel4 peptide, Cat.#: 318830
Lot No.	MTFA32278-2-1230
Sequence	KNKRKRRRRRGGRRRR
Dissolution condition	100%H2O
Length	17AA
Modification	N/A
Molecular Weight (MW)	2348.77
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2349.20	Conforms
Purity by HPLC	>95%	95.527%
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:

Quality Assurance Department

Feb/26/2025

Sample Information

Order ID	:MTFA32278-2
Name	:Mel4
Sequence	:KNKRKRRRRRRGGRRRR
Lot. No	:MTFA32278-2-1230
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	:Kromasil 100-5-C18 (4.6*250mm*5 μm)
Dissolution method	:100%H2O
Inj. Volume	: 30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	0.1
30.00	Pumps	B.Conc	30
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	0.1
50.00	Controller	Stop	

Chromatogram
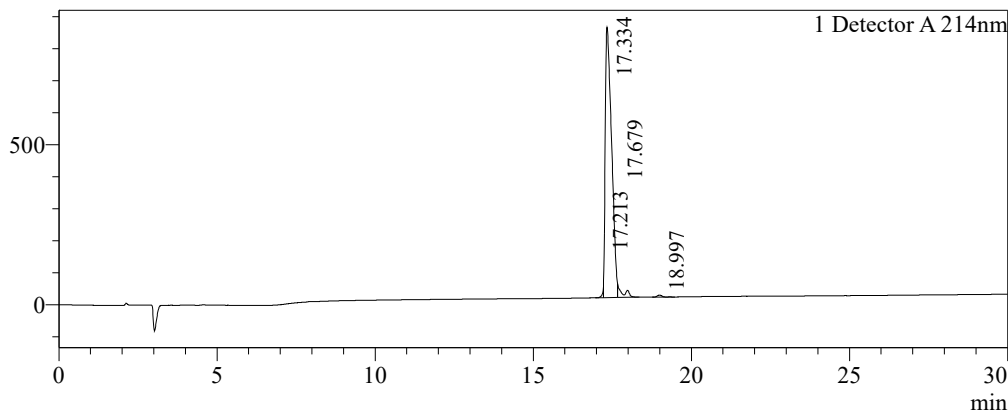
Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	17.213	73190	23073	0.591
2	17.334	11824113	844634	95.527
3	17.679	420799	38499	3.400
4	18.997	59614	6143	0.482
Total		12377716	912349	100.000

MS Spectrum

Intensity

588.30	[M+4H]4H+
784.10	[M+3H]3H+
470.90	[M+5H]5H+

253.25 338.50 716.55 847.75 935.50 1036.80 1175.10 1360.95 1522.05 1686.20 1742.35 1826.05 1914.75

m/z
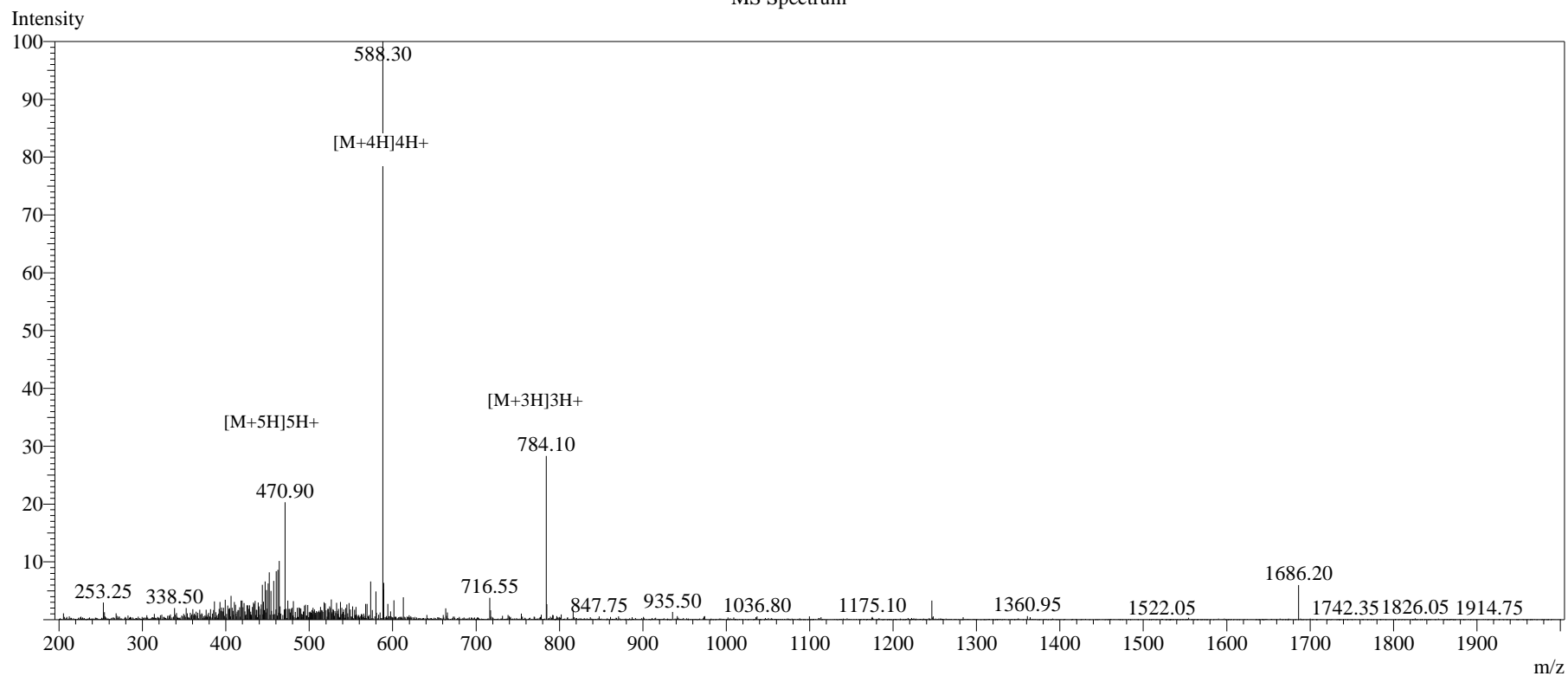
Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/01/13 14:16:12	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250℃	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H2O/50%MEOH

Order ID	:MTFA32278-2
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Theoretical	:2348.77
Observed	:2349.20