

CERTIFICATE OF ANALYSIS

Product Name	ES2 peptide, Cat.# 318914
Lot No.	GTA34700-1107
Sequence	PRKGGRRRRRAWGRRRRRRRRRRRRRRRRRPRKRLTLA
Dissolution condition	100%H ₂ O
Length	35AA
Modification	N/A
Molecular Weight (MW)	4646.46
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4647.00	Conforms
Purity by HPLC	>95%	95.376%
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:



Quality Assurance Department

Nov./24/2022

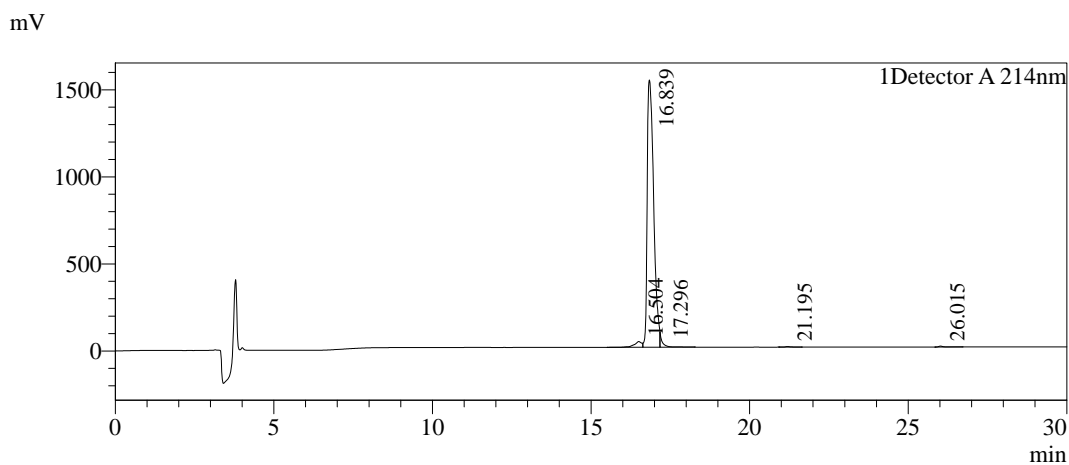


Sample Information

Order ID :GTA34700
 Name :ES2 peptide,Cat.# 318914
 Sequence :PRKGGRRRRRAWGRRRRRRRRRRRRRRRRRPRKRLTLA
 Lot. No :GTA34700-1107
 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 :YMC-Triart C18(4.6*250mm*5um)
 Dissolution method :100% H2O
 Inj. Volume : 25ul

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

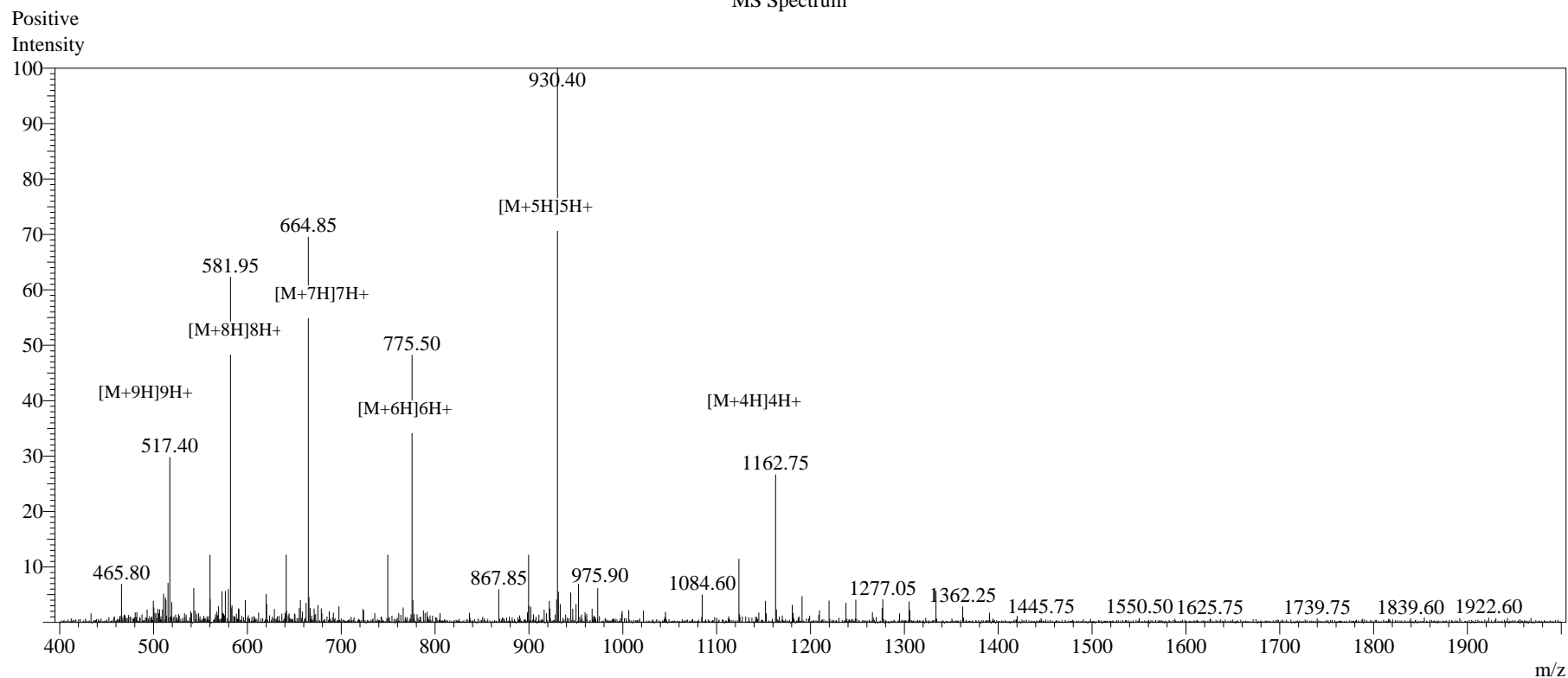


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	16.504	561125	33002	2.457
2	16.839	21780987	1535337	95.376
3	17.296	404168	17491	1.770
4	21.195	36591	3288	0.160
5	26.015	54085	5056	0.237
Total		22836955	1594174	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2022/11/24 14:05:46	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50% H ₂ O/50% MEOH

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Lot.No	:GTA34700-1107
Theoretical	:4646.46
Observed	:4647.00