

CERTIFICATE OF ANALYSIS

Product Name	APGWamide-related peptide 4, Cat.#: 314561, TFA removed
Lot No.	MTFA30249-0703
Sequence	TPGW-NH2 (Acetate salt)
Dissolution condition	100%H2O
Length	4AA
Modification	acetate salt
Molecular Weight (MW)	458.51
Storage	-20°C

Test Items	Specifications	Results
MW by MS	458.04	Conforms
Purity by HPLC	>95%	99.024%
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	50mg	5.0mg*10

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

July/20/2023

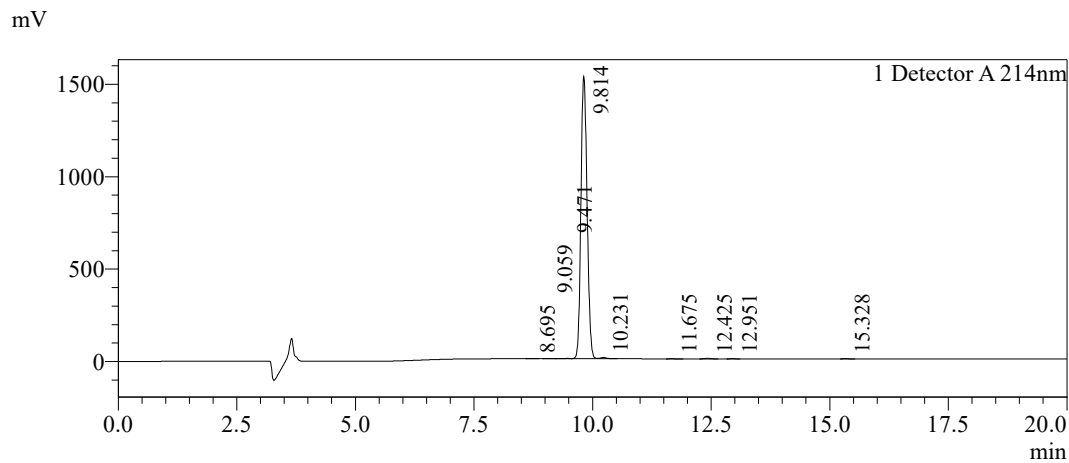


Sample Information

Order ID :MTFA30249
 Name :APGWamide-related peptide 4
 Sequence :TPGW-NH2 (Acetate Salt)
 Lot. No :MTFA30249-0703
 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 :Shim-pack GIST C18(4.6*250mm*5um)
 Dissolution method :100%H2O
 Inj. Volume : 10ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	15
20.00	Pumps	B.Conc	35
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

Chromatogram

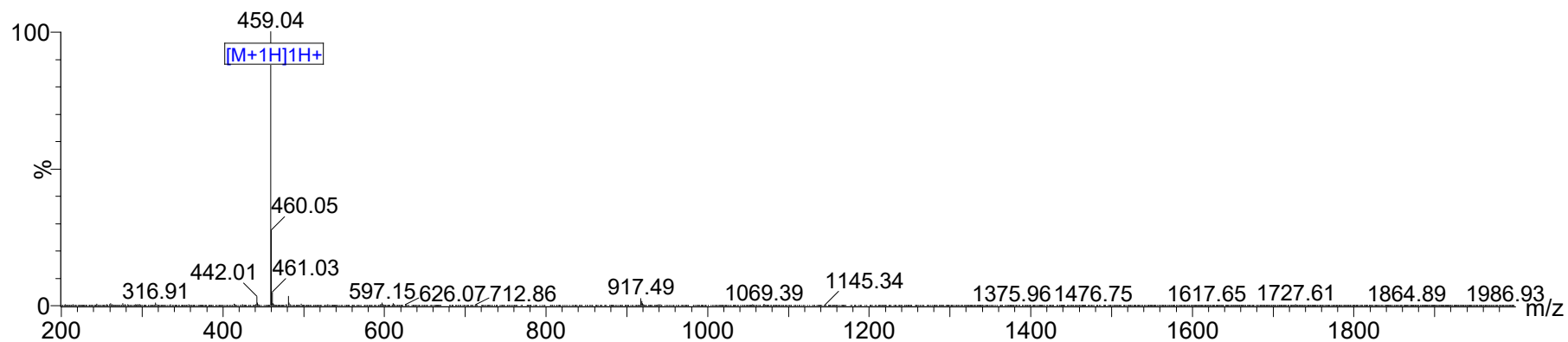


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	8.695	6221	973	0.045
2	9.059	2931	425	0.021
3	9.471	19025	1626	0.137
4	9.814	13783469	1525615	99.024
5	10.231	64339	6780	0.462
6	11.675	5849	676	0.042
7	12.425	22141	2660	0.159
8	12.951	4846	759	0.035
9	15.328	10463	1579	0.075
Total		13919282	1541093	100.000

MS Spectrum

 Positive
Intensity


Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:7/12/2023 4:20:48	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%H2O/50%MEOH

Order ID	: MTF30249
Name	: APGWamide-related peptide 4
Sequence	: TPGW-NH2 (Acetate Salt)
Lot.No	: MTF30249-0703
Theoretical	: 458.51
Observed	: 458.04