

## CERTIFICATE OF ANALYSIS

Product Name	Gastrin-releasing peptide, GRP, Cat.#: 314570 (TFA removed)
Lot No.	MTFA32741-0425
Sequence	APVSVGGGTVLAKMYPRGNHWAVGHLM-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	27AA
Modification	acetate salt
Molecular Weight (MW)	2805.29
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2805.40	Conforms
Purity by HPLC	>95%	98.643%
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	5mg	5.0mg

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:



May/21/2025

Quality Assurance Department

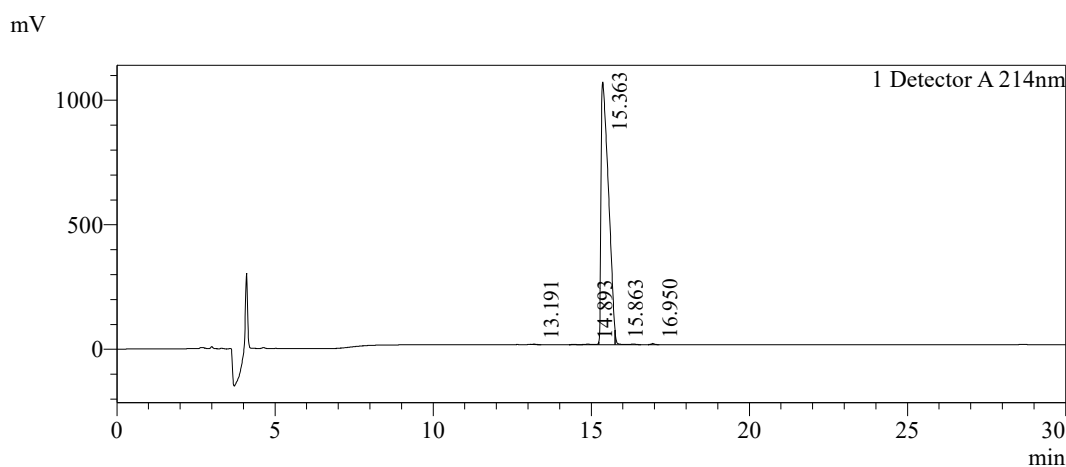


### Sample Information

Order ID :MTFA32741  
 Name :Gastrin-releasing peptide, GRP  
 Sequence :APVSVGGGTVLAKMYPRGNHWAVGHLM-NH2 (Acetate Salt)  
 Lot. No :MTFA32741-0425  
 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 :100%H<sub>2</sub>O  
 Inj. Volume : 50ul  

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
30.00	Pumps	B.Conc	50
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

### Chromatogram

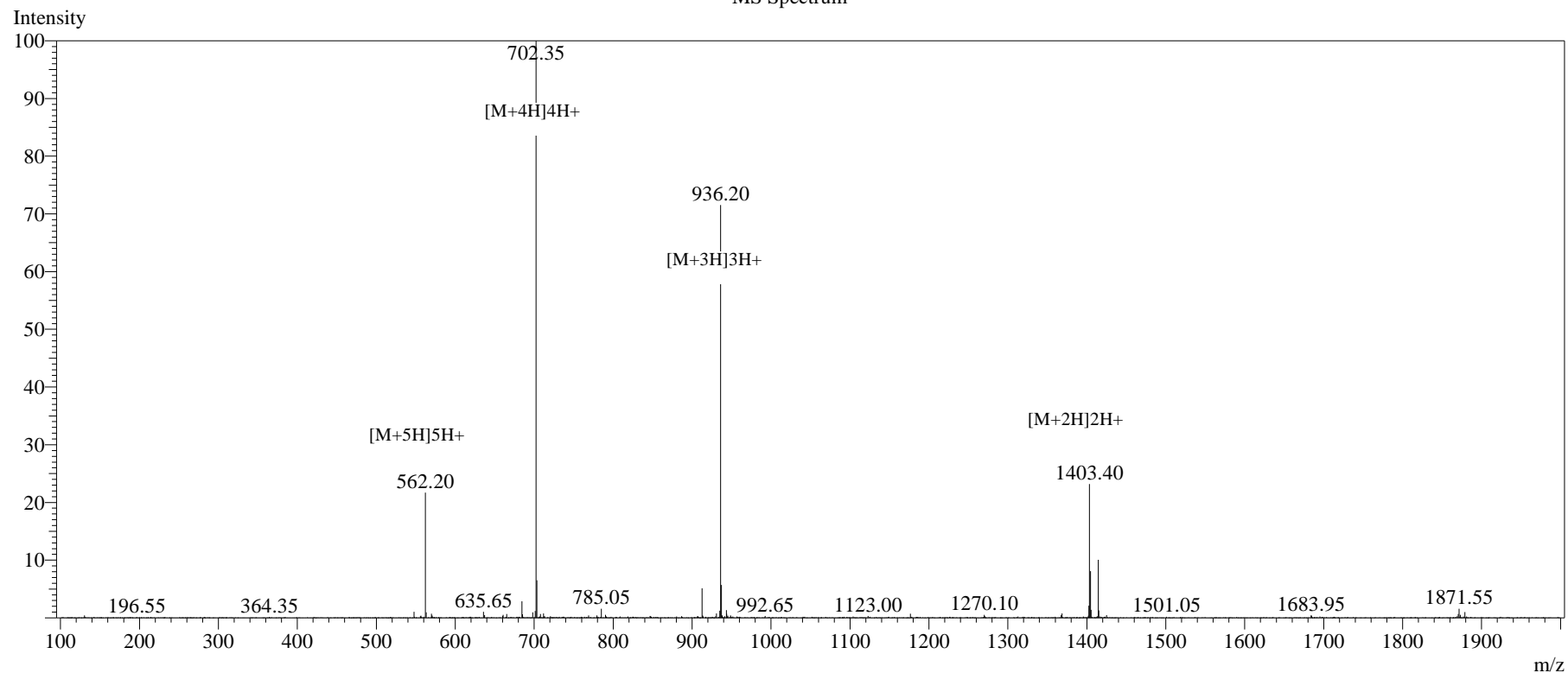


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.191	13992	2109	0.080
2	14.893	61506	2453	0.351
3	15.363	17274888	1053037	98.643
4	15.863	137705	3024	0.786
5	16.950	24439	3987	0.140
Total		17512529	1064610	100.000

# MS Spectrum



## Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/05/16 09:59:31	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% H2O/50% MEOH
Order ID	:MTFA32741				
Name	:Gastrin-releasing peptide, GRP				
Sequence	:APVSVGGGTVLAKMYPRGNHWAVGHLM-NH2 (Acetate Salt)				
Lot.No	:MTFA32741-0425				
Theoretical	:2805.29				
Observed	:2805.40				