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**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	TLQP-62 Cat.#: 317603
<b>Lot No.</b>	GT30928-1128
<b>Sequence</b>	TLQPPASSRRRRHFHHALPPARHHPDLEAQARRAQEEADAEERRL QEQEELENYIEHVLLHRP
<b>Dissolution condition</b>	100%H <sub>2</sub> O
<b>Length</b>	62AA
<b>Modification</b>	N/A
<b>Molecular Weight (MW)</b>	7401.01
<b>Storage</b>	-20°C

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<b>Test Items</b>	<b>Specifications</b>	<b>Results</b>
<b>MW by MS</b>	7400.72	Conforms
<b>Purity by HPLC</b>	>96%	97.642%
<b>Peptide Content</b>	N/A	N/A
<b>Moisture content</b>	N/A	N/A
<b>Acetic acid content</b>	N/A	N/A
<b>Appearance</b>	White to off-white lyophilized powder	Conforms
<b>Quantity</b>	5mg	5.0mg

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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

Jan/03/2018

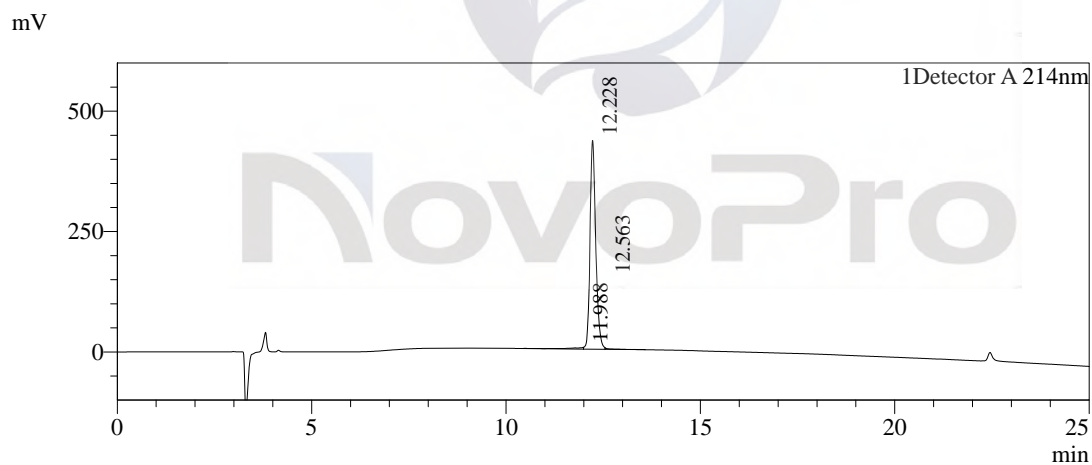


Sample Information

Order ID :GT30928  
 Name :N/A  
 Sequence :TLQPPASSRRRHFFHALPPARHHPDLEAQRRAQ  
 EEADAEERRLQEQEELNYIEHVLLHRP  
 Lot. No :GT30928-1128  
 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 :SHIMADZU Inertsil ODS-SP(4.6\*250mm\*5um)  
 Dissolution method :100% H2O  
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
25.00	Pumps	B.Conc	85
30.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

Chromatogram



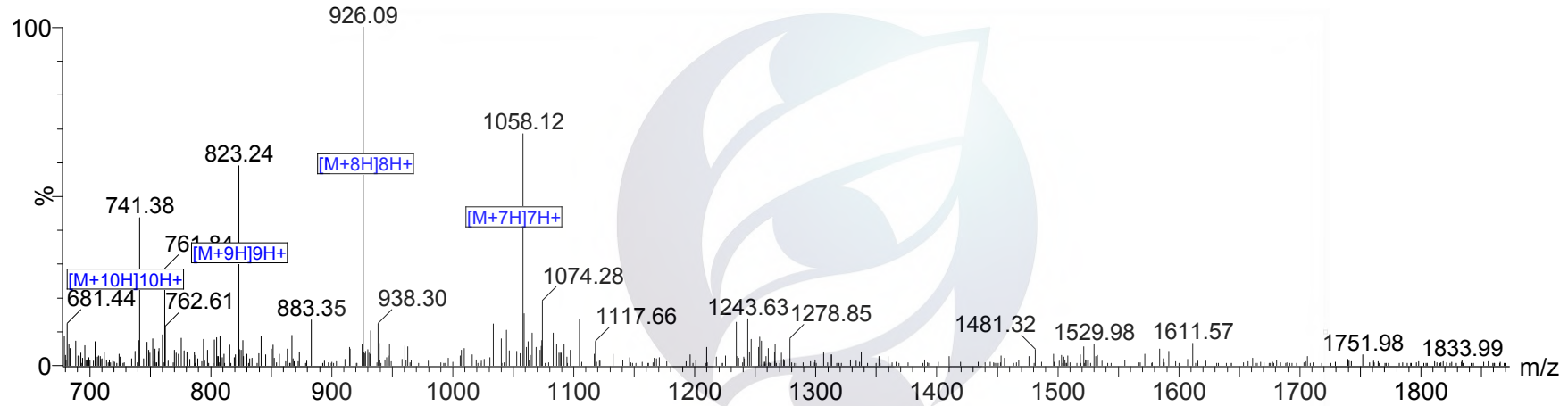
Peak Table


Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.988	79979	3368	1.761
2	12.228	4432965	433352	97.624
3	12.563	27909	2635	0.615
Total		4540852	439355	100.000

MS Spectrum

Positive  
Intensity



Dissolution method	:5%HAC+8%ACN+87%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2017/12/22 12:26:25	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	:GT30928				
Name	:N/A				
Sequence	:TLQPPASSRRRHFHHALPPARHHPDLEAQQARRAQEEADAERRLQEQELENYIEHVLLHRP				
Lot.No	:GT30928-1128				
Theoretical	:7401.01				
Observed	:7400.72				