

CERTIFICATE OF ANALYSIS

Product Name	Glucagon (1-29) peptide, Cat.#: 309062 (TFA removed)
Lot No.	MTFA30574-3-1008
Sequence	HSQGTFTSDYSKYLDSRRAQDFVQWLMNT (Acetate Salt)
Dissolution condition	2%NH ₃ .H ₂ O+18%ACN+80%H ₂ O
Length	29AA
Modification	Acetate Salts
Molecular Weight (MW)	3481.75
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3482.55	Conforms
Purity by HPLC	>95%	95.016%
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/02/2023

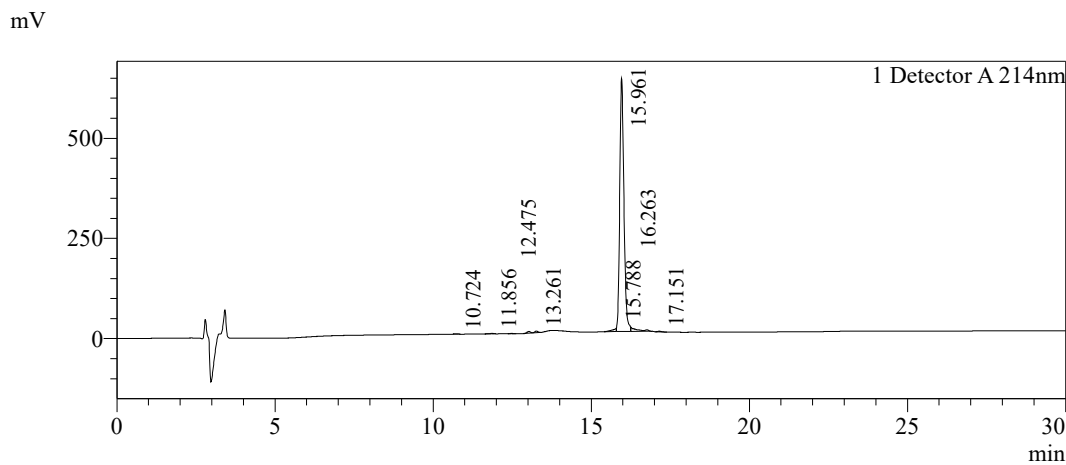


Sample Information

Order ID :MTFA30574-3
 Name :Glucagon(1-29)peptide
 Sequence :HSQGTFTSDYSKYLDSTRRAQDFVQWLMNT (Acetate Salt)
 Lot. No :MTFA30574-3-1008
 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 :Phenomenex Luna® 5 µm C18(2) (4.6*250mm*5 µm)
 Dissolution method :2%NH3.H2O+18%ACN+80%H2O
 Inj. Volume : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

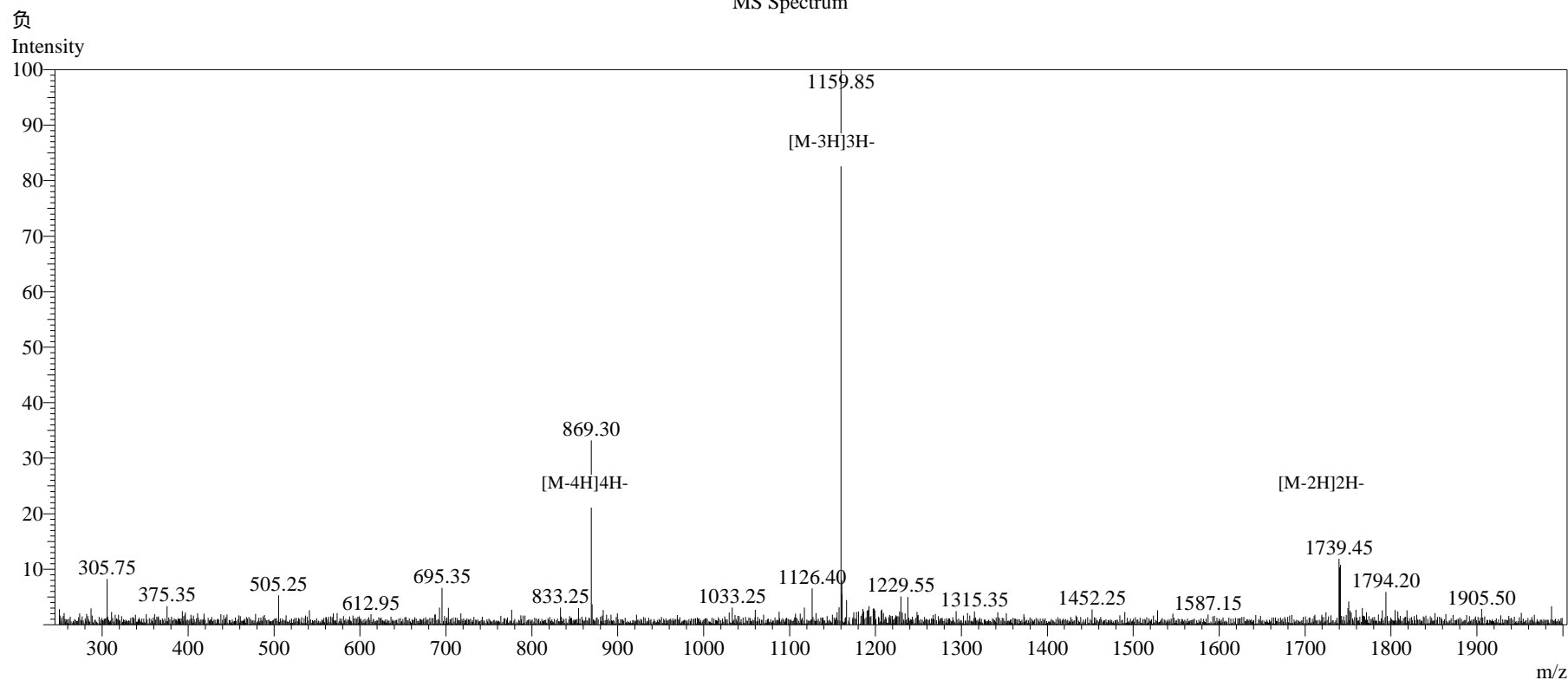


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.724	2591	417	0.042
2	11.856	10155	1011	0.166
3	12.475	3531	514	0.058
4	13.261	64560	4278	1.057
5	15.788	68627	7728	1.123
6	15.961	5804766	631910	95.016
7	16.263	141977	10416	2.324
8	17.151	13055	1555	0.214
Total		6109262	657828	100.000

MS Spectrum



Sample Information

Dissolution method	:2%NH ₃ .H ₂ O+18%ACN+80%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/10/13 13:33:36	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% H ₂ O/50% MEOH

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Name	:Glucagon(1-29)peptide
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Lot.No	:MTFA30574-3-1008
Theoretical	:3481.75
Observed	:3482.55