

CERTIFICATE OF ANALYSIS

Product Name	Insulin B (9-23) peptide (Cat.#305334), TFA removed
Lot No.	GTA33837-1123
Sequence	SHLVEALYLVCGERG(Desalt)
Dissolution condition	15%ACN+85%H2O
Length	15AA
Modification	TFA Removal
Molecular Weight (MW)	1645.87
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1645.80	Conforms
Purity by HPLC	>95%	95.215%
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

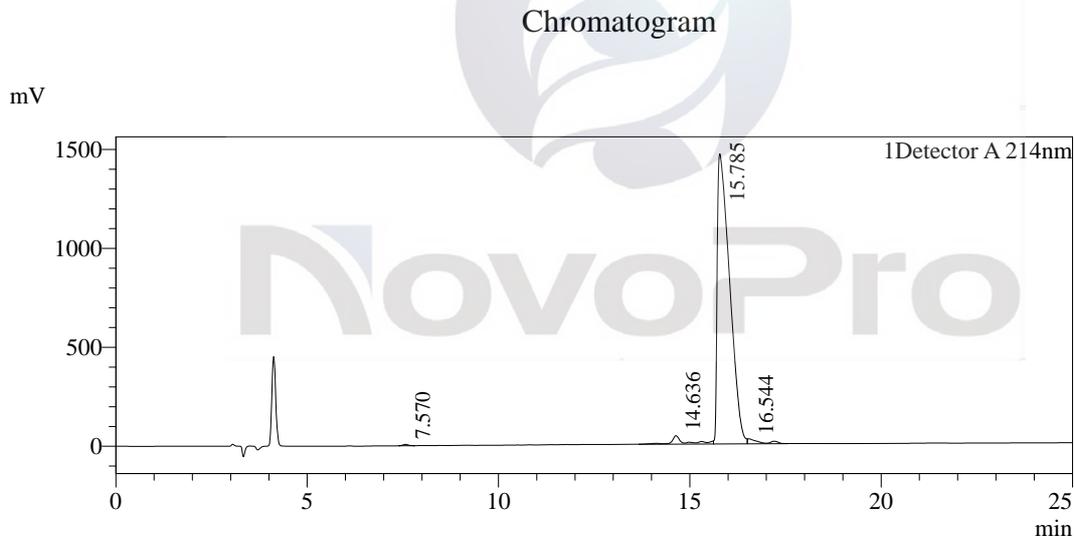
Dec/03/2021



Sample Information

Order ID :GTA33837
 Name :Insulin B (9-23)(Cat.#305334)
 Sequence :SHLVEALYLVCGERG(Desalt)
 Lot. No :GTA33837-1123
 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 :15% ACN+85% H2O
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
25.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

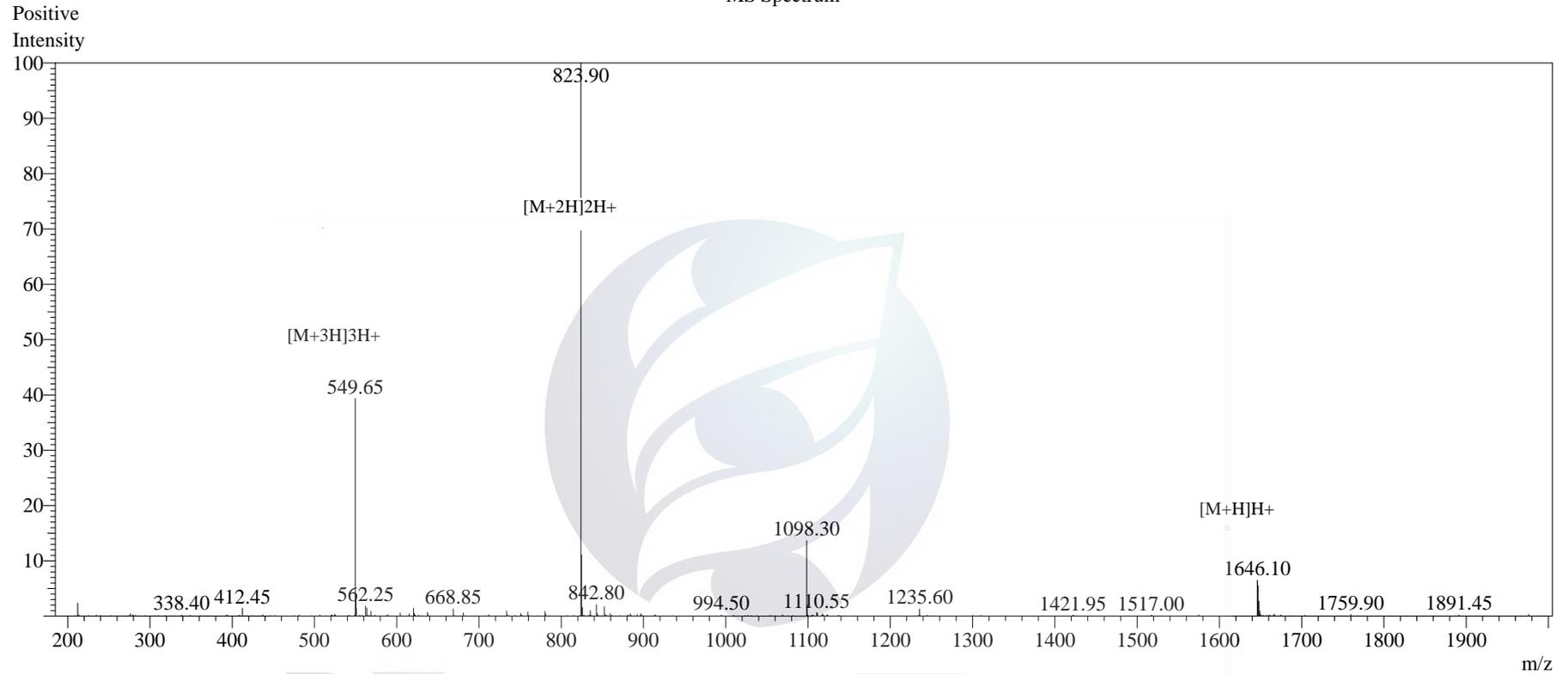


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	7.570	67002	6786	0.194
2	14.636	1009601	42745	2.922
3	15.785	32903891	1466302	95.215
4	16.544	576798	25010	1.669
Total		34557291	1540843	100.000

MS Spectrum



Sample Information

Dissolution method	:5% HAC+8% ACN+87% H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2021/12/03 15:30:05	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	:GTA33837
Name	:Insulin B 9-23
Sequence	:SHLVEALYLVCGERG(Desalt)
Lot.No	:GTA33837-1123
Theoretical	:1645.87
Observed	:1645.80