

CERTIFICATE OF ANALYSIS

Product Name	Liraglutide, Cat.#: 318952 (TFA removed)
Lot No.	MTFA33326-250915
Sequence	HAEGTFTSDVSSYLEGQAA-{Lys(Pal-γ-Glu)}-EFIAWLVRGRG
Dissolution condition	100%H ₂ O
Modification	sodium salt
Molecular Weight (MW)	3751.20
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3750.80	Conforms
Purity by HPLC	>98%	98.090%
Peptide Content	N/A	N/A
TFA solubility	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	10 mg	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:



Sep/22/2025

Quality Assurance Department



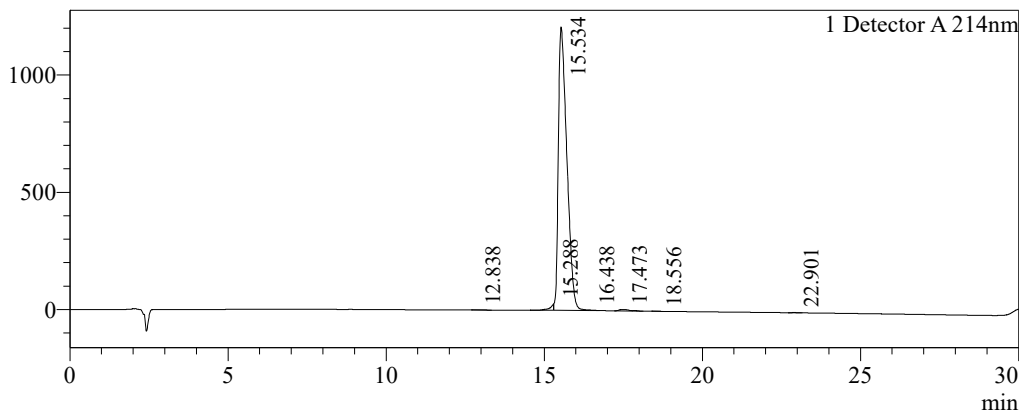
Sample Information

Order ID :MTFA33326
 Name :Liraglutide, Cat.#: 318952
 Sequence :HAEGTFTSDVSSYLEGQAA-{Lys(Pal- γ -Glu)}-EFIAWLV
 RGRG
 Lot. No :MTFA33326-250915
 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 μ m)
 Dissolution method :100%H₂O
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	45
30.00	Pumps	B.Conc	75
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	45
50.00	Controller	Stop	

Chromatogram

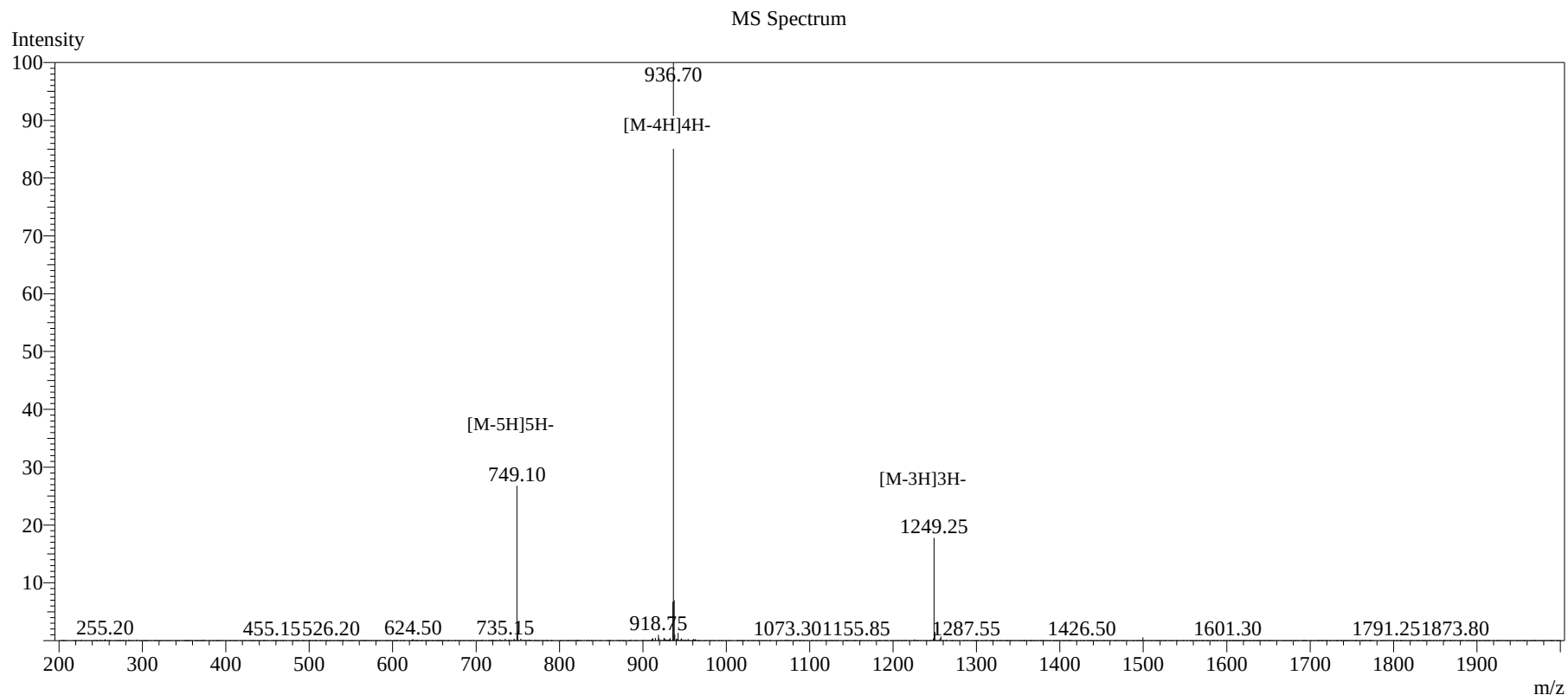
mV



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.838	10347	482	0.045
2	15.288	237560	25083	1.029
3	15.534	22643275	1207621	98.090
4	16.438	19668	2027	0.085
5	17.473	149662	6514	0.648
6	18.556	14060	1307	0.061
7	22.901	9582	800	0.042
Total		23084154	1243834	100.000



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/09/19 15:20:01	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

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Lot.No	:MTFA33326-250915
Theoretical	:3751.20
Observed	:3750.80