

CERTIFICATE OF ANALYSIS

Product Name	N-lactoyl-phenylalanine (Lac-Phe) peptide, Cat.#: 318943-TFA
Lot No.	GTA34886-2-0111
Sequence	Lac-Phe-OH (TFA removed, Acetate salt)
Dissolution condition	100%H ₂ O
Length	2 AA
Modification	N/A
Molecular Weight (MW)	237.25
Storage	-20°C

Test Items	Specifications	Results
MW by MS	237.25	Conforms
Purity by HPLC	>95%	98.04%
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	800mg	50mg*160

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/17/2023

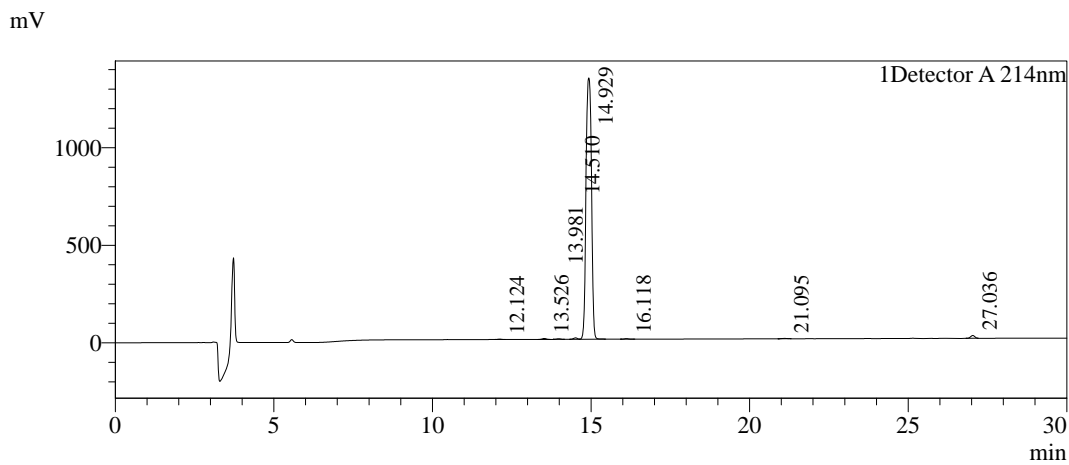


Sample Information

Order ID :GTA34886-2
 Name :N-lactoyl-phenylalanine (Lac-Phe) peptide, Cat.#: 318943-TFA
 Sequence :Lac-Phe
 Lot. No :GTA34886-2-0111
 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 :100% H2O
 Inj. Volume : 20ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	15
30.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

Chromatogram

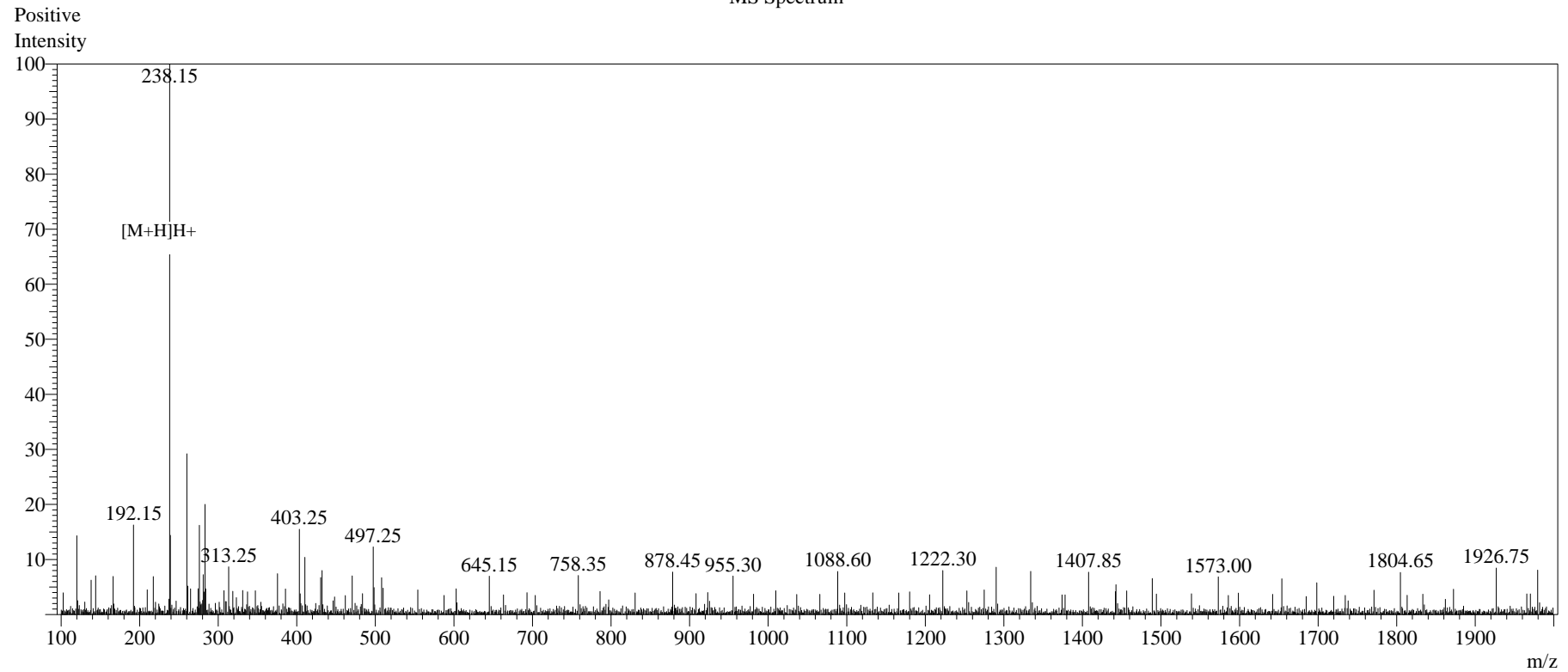


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.124	14721	1896	0.090
2	13.526	43517	4978	0.267
3	13.981	26194	3034	0.160
4	14.510	61325	7093	0.376
5	14.929	16002008	1339108	98.042
6	16.118	22846	2833	0.140
7	21.095	21818	2028	0.134
8	27.036	129160	14257	0.791
Total		16321588	1375227	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/01/12 12:46:19	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% H ₂ O/50% MEOH
Order ID	:GTA34886-2				
Name	:N-lactoyl-phenylalanine				
Sequence	:Lac-Phe				
Lot.No	:GTA34886-2-0111				
Theoretical	:237.25				
Observed	:237.15				