

CERTIFICATE OF ANALYSIS

Product Name	N-lactoyl-phenylalanine (Lac-Phe) peptide, Cat.#: 318943
Lot No.	MTFA31604-2
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%	97.162%
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	5,000 mg	50mg*100

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

July/16/2024

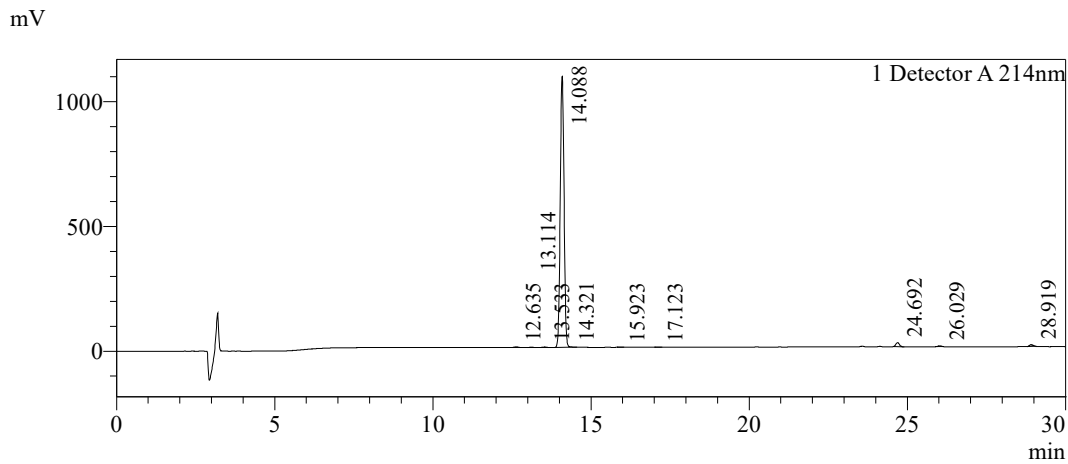


Sample Information

Order ID :MTFA31604-2
 Name :N-lactoyl-phenylalanine (Lac-Phe) peptide
 Sequence :Lac-Phe
 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 µm)
 Dissolution method :15%ACN+85%H2O
 Inj. Volume : 5ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	10
30.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

Chromatogram

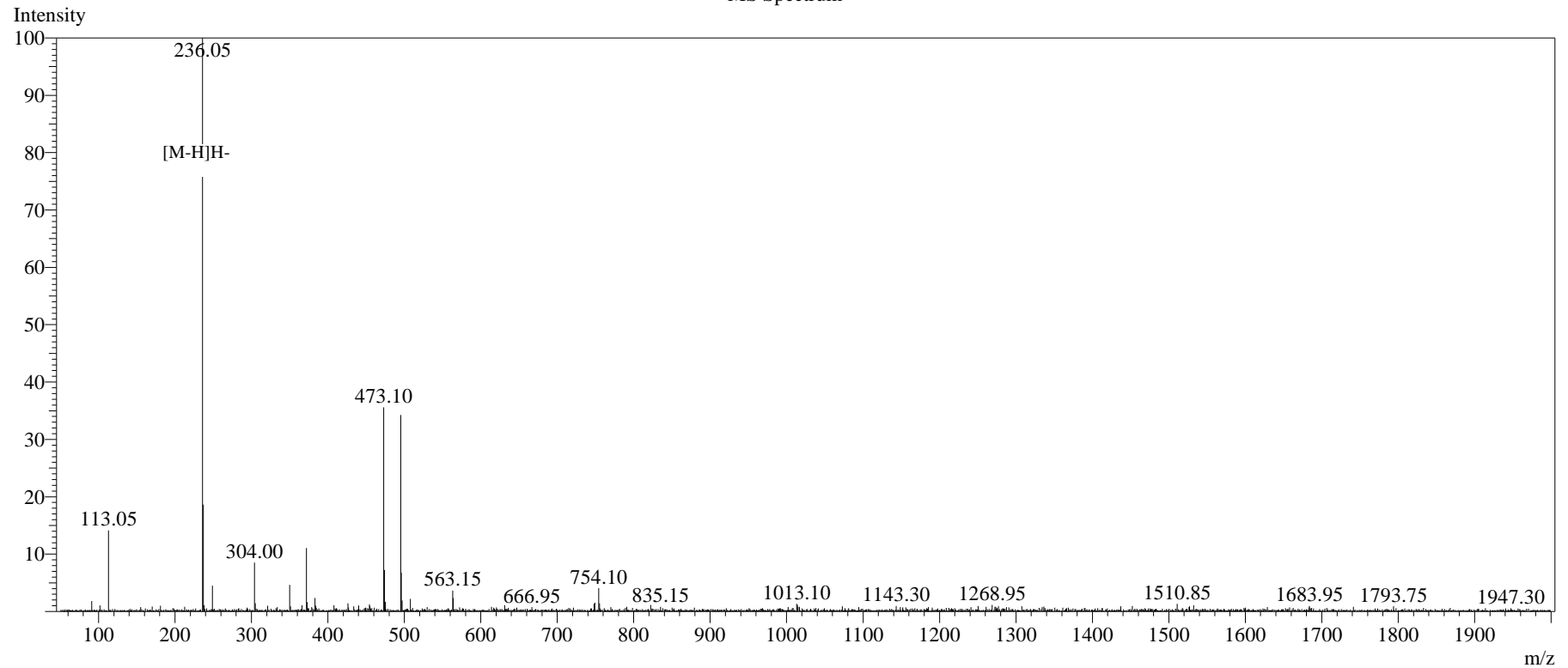


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.635	19246	2708	0.206
2	13.114	7839	1075	0.084
3	13.533	13046	1723	0.140
4	14.088	9058055	1085707	97.162
5	14.321	12606	2554	0.135
6	15.923	6164	964	0.066
7	17.123	4781	695	0.051
8	24.692	124231	15794	1.333
9	26.029	20301	3046	0.218
10	28.919	56390	6768	0.605
Total		9322659	1121035	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/07/16 16:47:54	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

Order ID	:MTFA31604-2
Name	:N-lactoyl-phenylalanine (Lac-Phe) peptide
Sequence	:Lac-Phe
Lot.No	:MTFA31604-2
Theoretical	:237.25
Observed	:237.05