
CERTIFICATE OF ANALYSIS

Product Name	Lac-Phe, Cat.#: 318943 (TFA removed)
Lot No.	MTFB20787-0430
Sequence	{Lac}-Phe
Dissolution condition	100%H ₂ O
Modification	TFA Removal
Molecular Weight (MW)	237.25
Storage	-20°C

Test Items	Specifications	Results
MW by MS	237.15	Conforms
Purity by HPLC	>99%	99.118%
Endotoxin Content	N/A	N/A
TFA solubility	N/A	N/A
Moisture content	N/A	N/A
Peptide content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	5000mg	50.0mg*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:



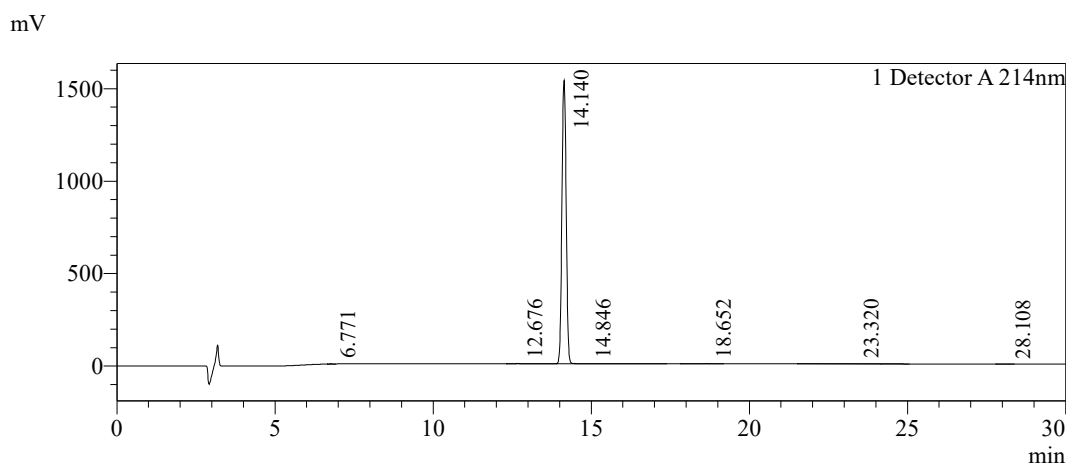
May/09/2026

Quality Assurance Department



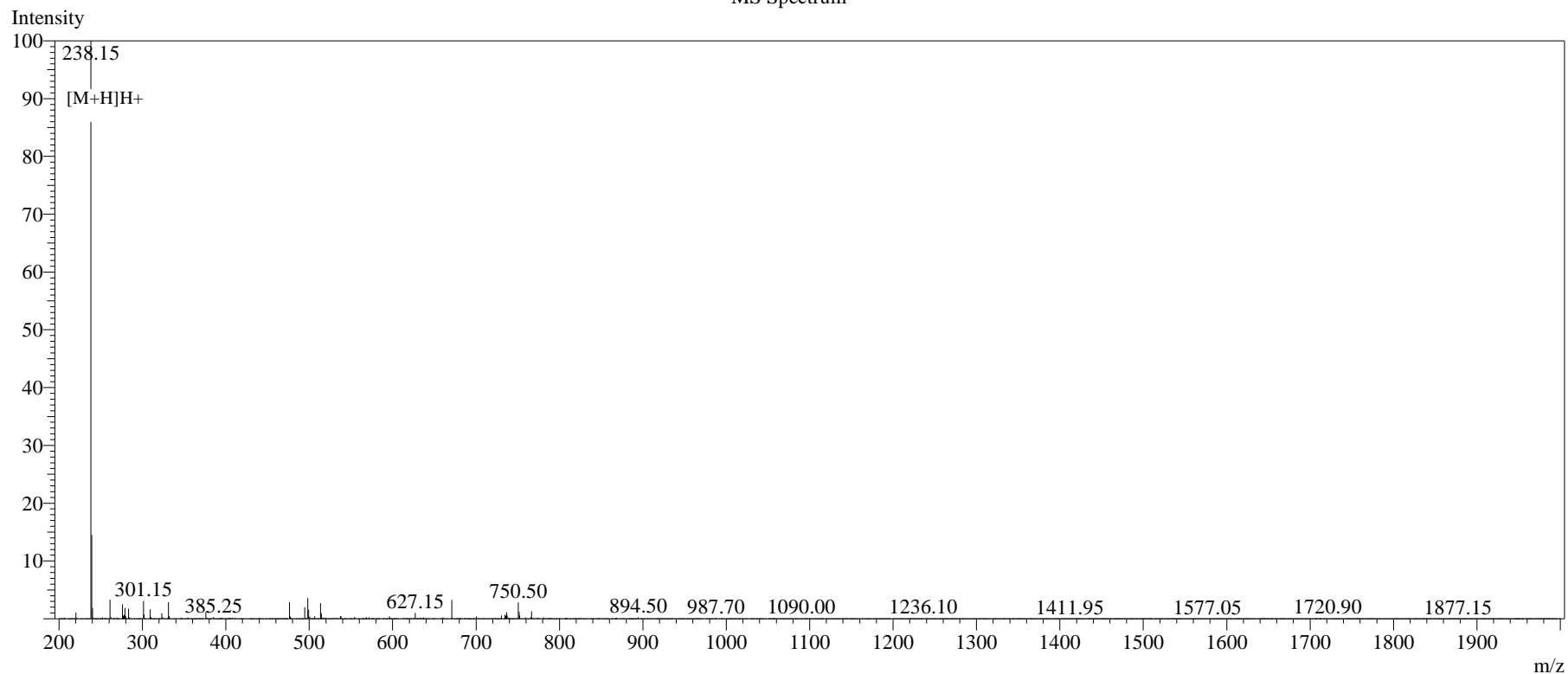
Sample Information

Order ID :MTFB20787
 Name :Lac-Phe
 Sequence :{Lac}-Phe
 Lot.No :MTFB20787-0430
 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 :100%H2O
 Inj. Volume : 5ul
 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	6.771	4122	517	0.028
2	12.676	25906	2005	0.179
3	14.140	14369032	1531598	99.118
4	14.846	44295	339	0.306
5	18.652	17593	1576	0.121
6	23.320	34212	1650	0.236
7	28.108	1748	185	0.012
Total		14496909	1537868	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/04/30 11:07:50	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	:Lac-Phe
Sequence	:{Lac}-Phe
Lot.No	:MTFB20787-0430
Theoretical	:237.25
Observed	:237.15