

CERTIFICATE OF ANALYSIS

Product Name	Thymosin alpha 11, Cat.#: 306444 (TFA removed)
Lot No.	MTFA31470-8-0613
Sequence	Ac-SDAAVDTSSSEITTKDLKEKKEVVVEEAENGREAPAN (Acetate Salt)
Dissolution condition	100%H ₂ O
Length	35AA
Modification	Acetate Salts
Molecular Weight (MW)	3803.99
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3804.00	Conforms
Purity by HPLC	>95%	96.017%
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	500mg	20.0mg*25

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:



July/29/2024



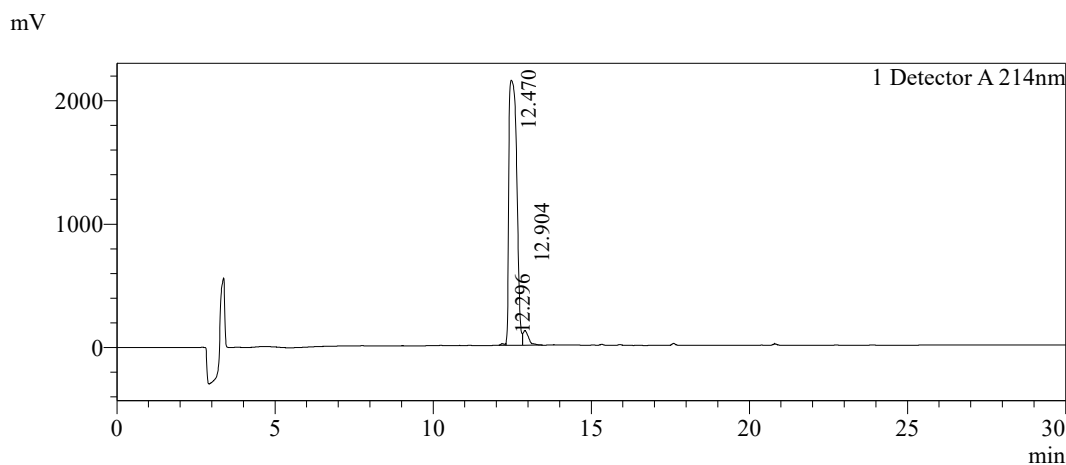
Quality Assurance Department

Sample Information

Order ID :MTFA31470-8
 Name :Thymosin alpha 11
 Sequence :Ac-SDAAVDTSSSEITTKDLKEKKEVVEEAENGREAPAN (Acetate Salt)
 Lot. No :MTFA31470-8-0613
 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 : 30ul

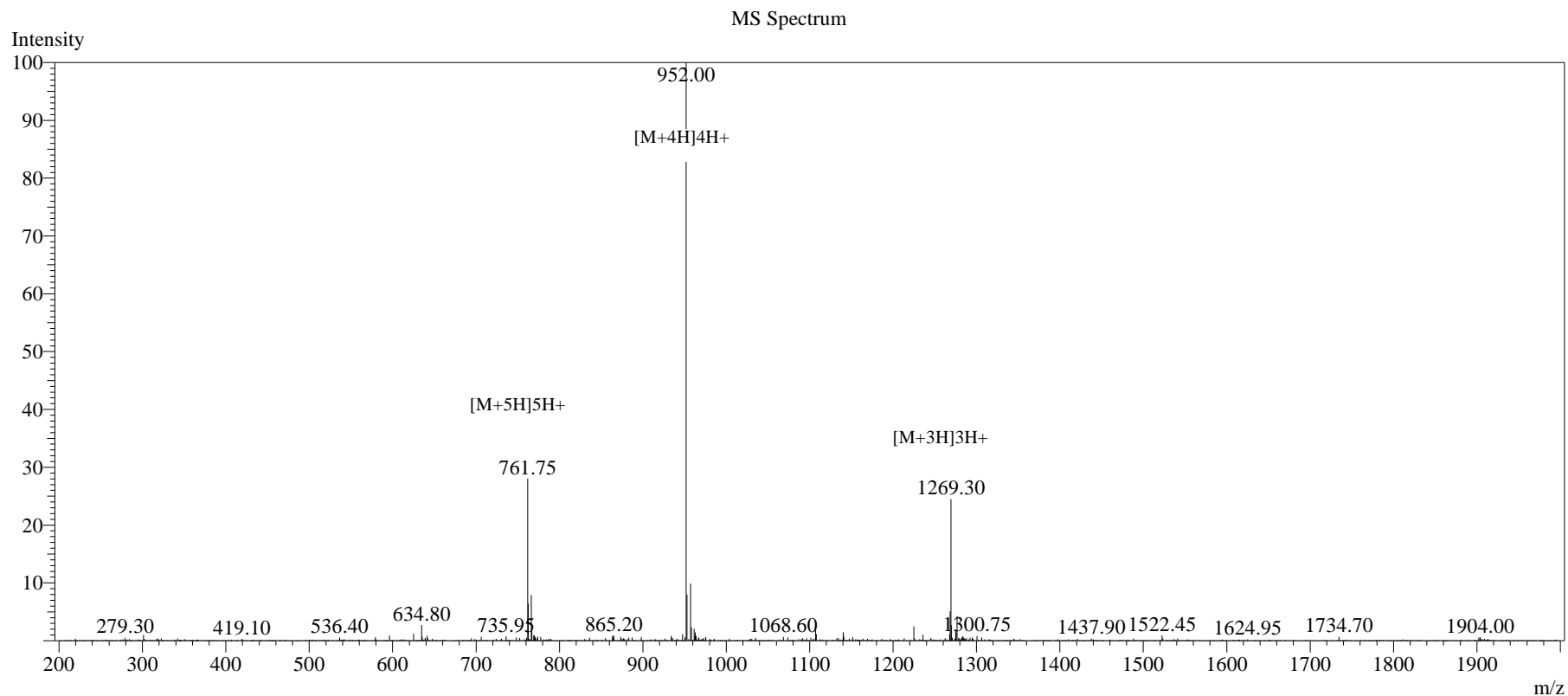
Time	Module	Action	Value
0.01	Pumps	B.Conc	15
30.00	Pumps	B.Conc	45
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	15
50.00	Controller	Stop	

Chromatogram



Peak Table

Detector A 214nm				
Peak#	Ret. Time	Area	Height	Area%
1	12.296	111716	13399	0.287
2	12.470	37349319	2146014	96.017
3	12.904	1437617	118332	3.696
Total		38898652	2277744	100.000



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2024/07/09 11:16:36	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	:Thymosin alpha 11
Sequence	:Ac-SDAAVDTSSSEITTKDLKEKKEVVEEAENGREAPAN (Acetate Salt)
Lot.No	:MTFA31470-8-0613
Theoretical	:3803.99
Observed	:3804.00