

CERTIFICATE OF ANALYSIS

Product Name	Thymosin alpha 11 peptide (TFA removed) Cat.#306444
Lot No.	MTFA30558-5-1007
Sequence	Ac-SDAAVDTSSSEITTKDLKEKKEVVEEAENGREAPAN (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	3803.85	Conforms
Purity by HPLC	>95%	95.139%
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	400mg	10.0mg*30+5.0mg*20

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

Nov/16/2023

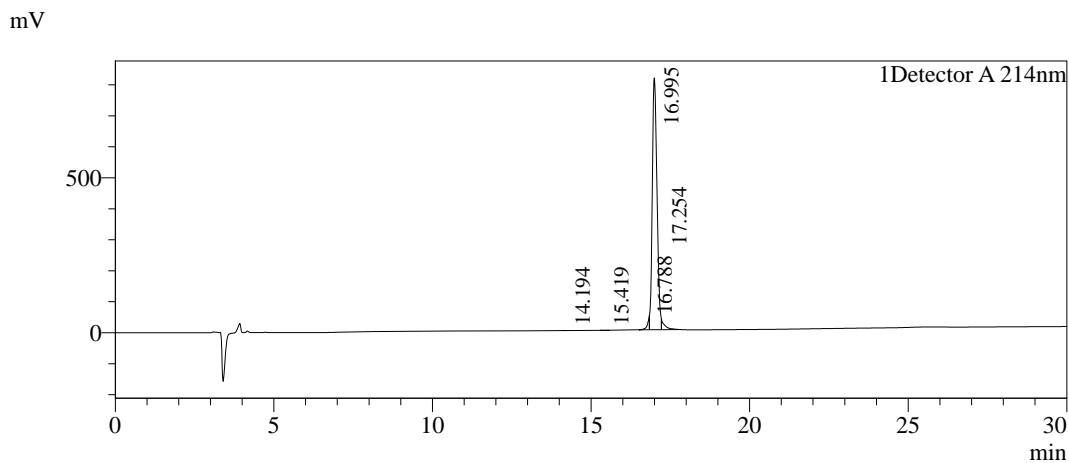


Sample Information

Order ID :MTFA30558-5
 Name :Thymosin alpha 11 peptide
 Sequence :Ac-SDAAVDTSSSEITTKDLKEKKEVVEEAENGREAPAN (Acetate Salt)
 Lot. No :MTFA30558-5-1007
 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 :Inertsil ODS-SP C18 (4.6*250mm*5um)
 Dissolution method :100% H2O
 Inj. Volume : 40ul

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

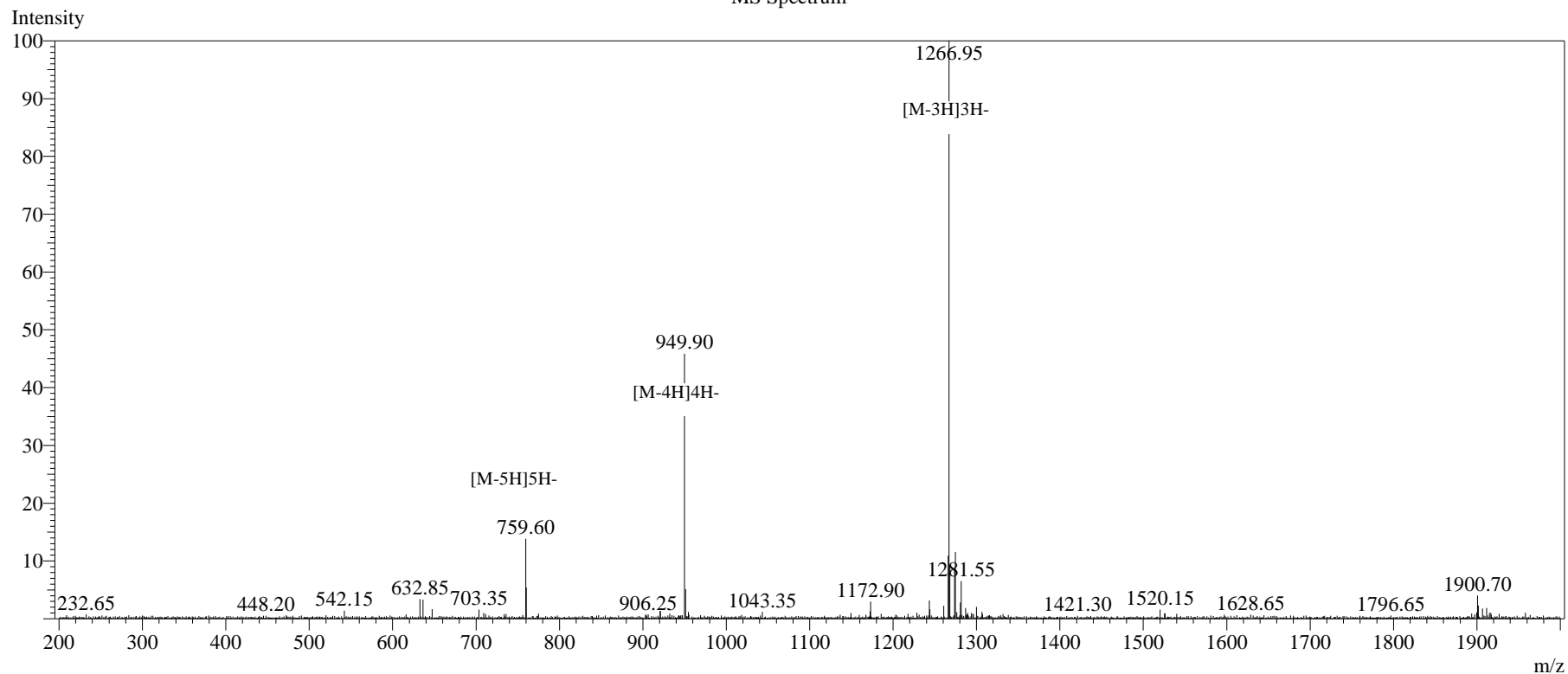


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.194	1882	263	0.021
2	15.419	4040	539	0.046
3	16.788	184341	19098	2.094
4	16.995	8375403	812527	95.139
5	17.254	237643	23665	2.699
Total		8803309	856092	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/11/10 13:36:47	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 peptide
Sequence	:Ac-SDAAVDTSEITTKDLKEKKEVVEEAENGREAPAN (Acetate Salt)
Lot.No	:MTFA30558-5-1007
Theoretical	:3803.99
Observed	:3803.85