

CERTIFICATE OF ANALYSIS

Product Name	NVG-291, TAT-ISP (Human) peptide, Cat.#: 319761 (TFA removed)
Lot No.	MTFB20347-251208
Sequence	GRKKRRQRRRCDMAEHTERLKANDSLKLSQEYESI-NH2 (HCl Salt)
Dissolution condition	100%H2O
Modification	HCl Salt
Molecular Weight (MW)	4288.82
Storage	-20°C

Test Items	Specifications	Results
MW by MS	4289.70	Conforms
Purity by HPLC	>95%	95.333%
Endotoxin Content	N/A	N/A
TFA solubility	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	200mg	5.0mg*40

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:



Dec/11/2025

Quality Assurance Department

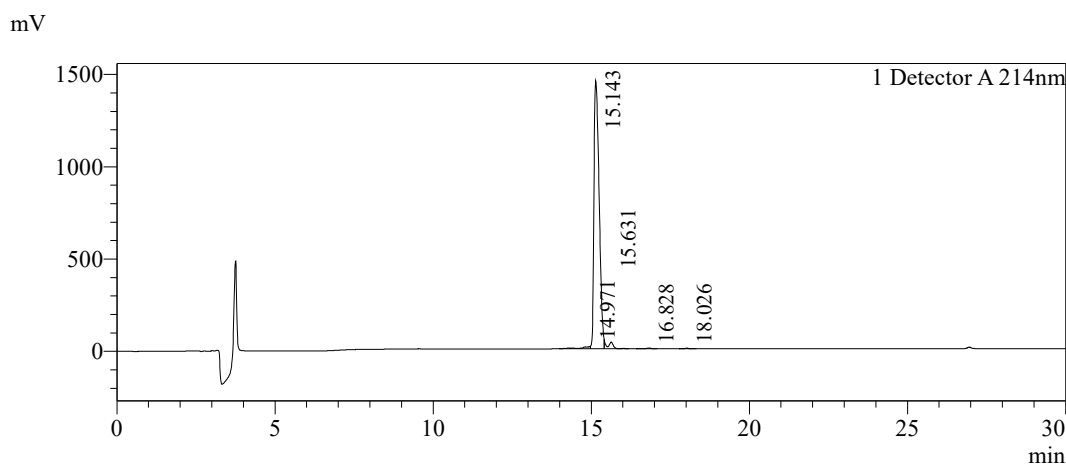


Sample Information

Order ID :MTFB20347
 Name :NVG-291, TAT-ISP (Human) peptide
 Sequence :GRKKRRQRRRCDMAEHTERLKAANDSLKLSQEYESI-NH₂(HCl Salt)
 Lot. No :MTFB20347-251208
 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 : 25ul

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

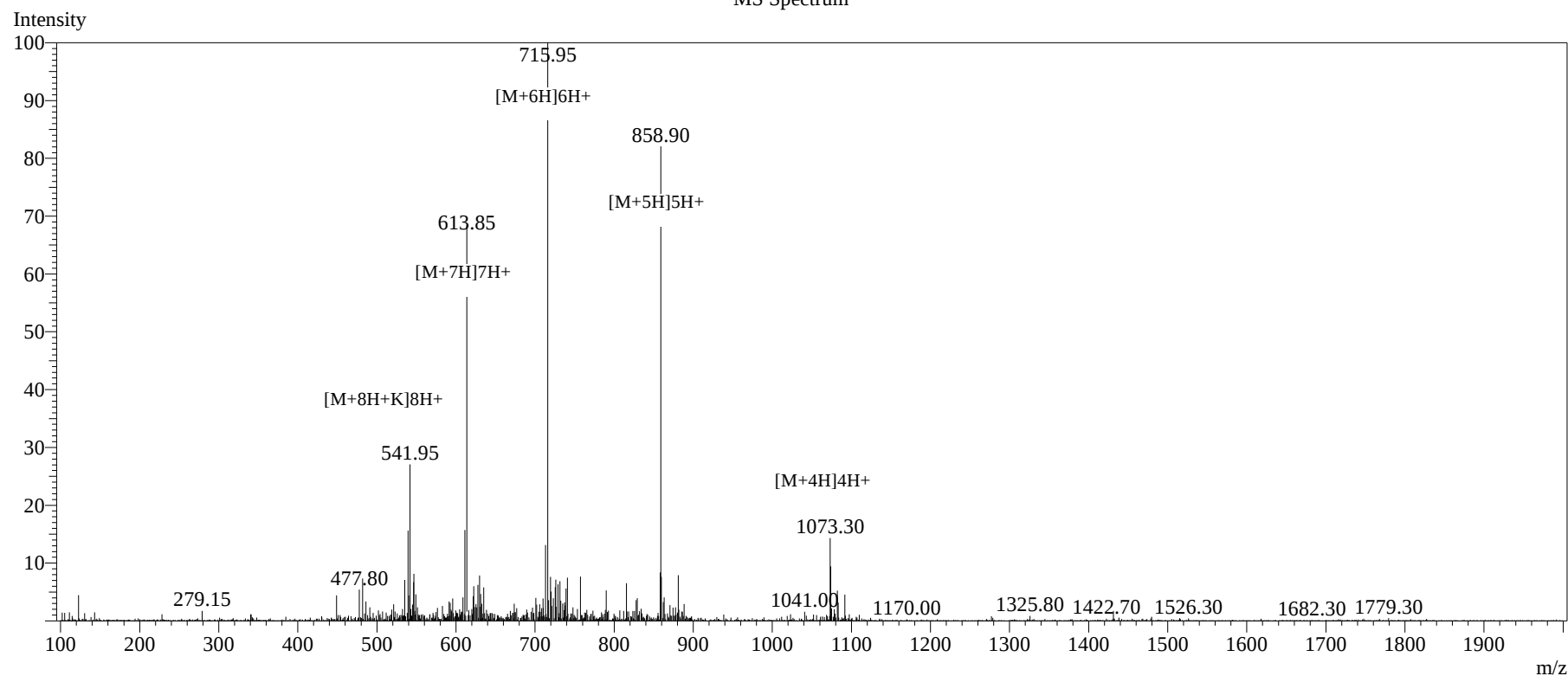


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	14.971	263511	13503	1.511
2	15.143	16625386	1453034	95.333
3	15.631	476482	36075	2.732
4	16.828	46424	4684	0.266
5	18.026	27417	3666	0.157
Total		17439219	1510963	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/12/10 10:17:24	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%H2O/50%MEOH
Order ID	:MTFB20347				
Name	:NVG-291, TAT-ISP (Human) peptide				
Sequence	:GRKKRRQRRRCDMAEHTERLKDLSLKLSQEYESI-NH2(HCl Salt)				
Lot.No	:MTFB20347-251208				
Theoretical	:4288.82				
Observed	:4289.70				