For Enjoyable Discovery

CERTIFICATE OF ANALYSIS

Product Name	Vasoactive intestinal polypeptide, VIP, Cat.#: 312079 (TFA removed)
Lot No.	MTFB20826-260511
Sequence	HSDAVFTDNYTRLRKQMAVKKYLNSILN-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Modification	Acetate salt
Molecular Weight (MW)	3325.80
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3326.60	Conforms
Purity by HPLC	>95%	98.030%
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	1000mg	20mg*50

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

May/29/2026

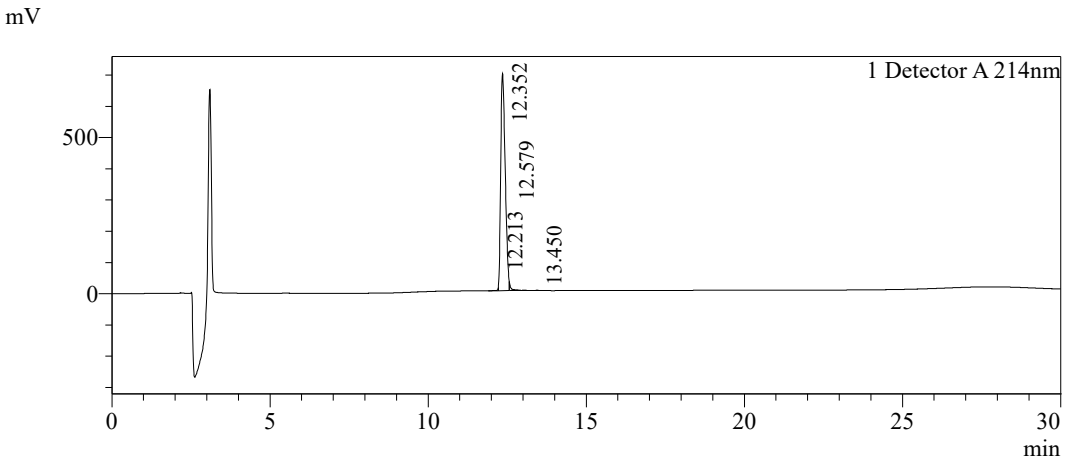
NovoPro Biosciences Inc. VERIFIED Quality Control

Sample Information

Order ID	:MTFB20826
Name	:VIP, Cat.#: 312079 (TFA removed)
Sequence	:HSDAVFTDNYTRLRKQMAVKKYLNSILN-NH2 (Acetate Salt)
Lot. No	:MTFB20826-260511
Pump A	:0.1%Trifluoroacetic in 100% water
Pump B	:0.1%Trifluoroacetic in 100% acetonitrile
Total Flow	:1ml/min
Wavelength	:214nm
Analytial 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	25
30.00	Pumps	B.Conc	55
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	25
50.00	Controller	Stop	

Chromatogram

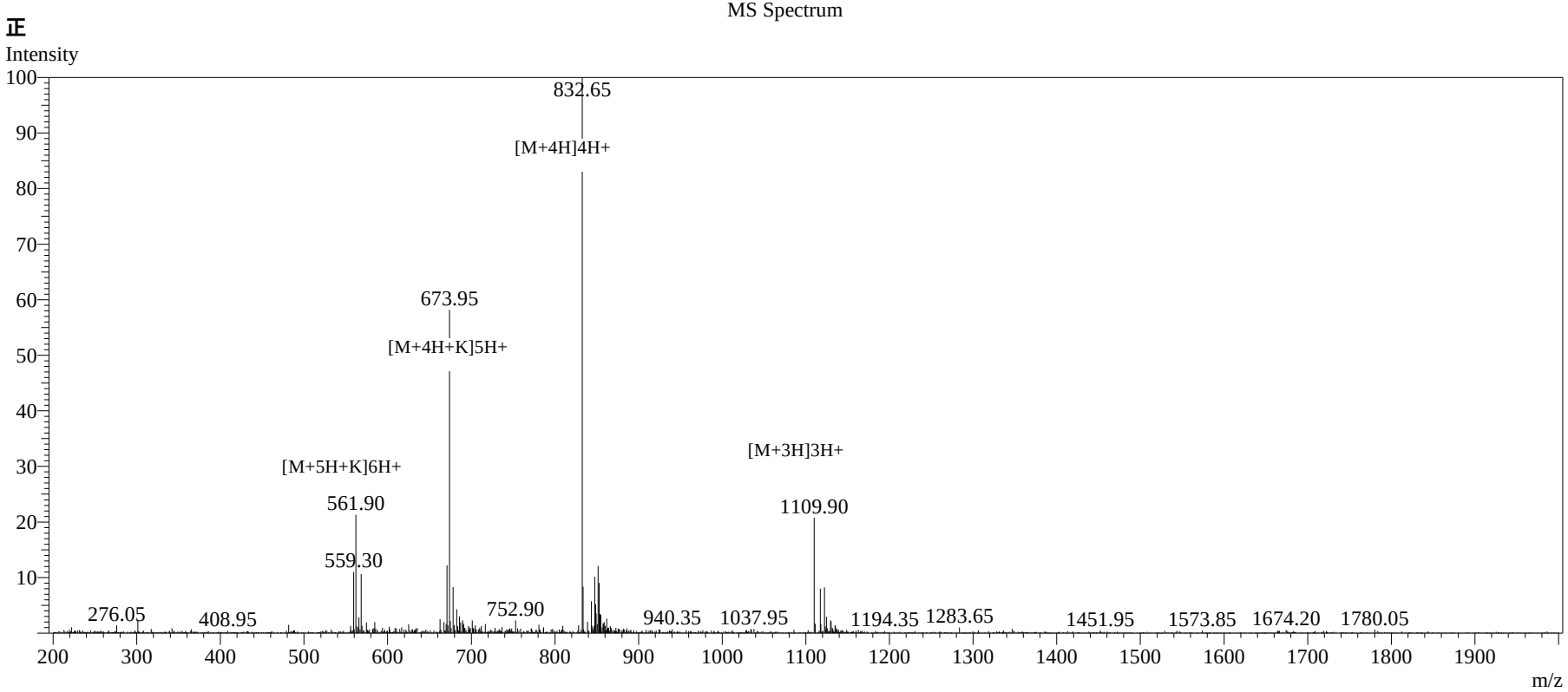


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	12.213	17598	5352	0.250
2	12.352	6893944	695435	98.030
3	12.579	110028	23794	1.565
4	13.450	10891	1041	0.155
Total		7032460	725623	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/05/16 14:52:57	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250℃	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H2O/50%MEOH

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Theoretical	:3325.80
Observed	:3326.60