

CERTIFICATE OF ANALYSIS

Product Name	Dynorphin A (1-17), (Prodynorphin 209-225), Porcine peptide, Cat.#: 313572
Lot No.	MTFB20924-01-260607
Sequence	YGGFLRRIRPKLKWDNQ
Dissolution condition	100%H ₂ O
Modification	N/A
Molecular Weight (MW)	2147.49
Storage	-20°C

Test Items	Specifications	Results
MW by MS	2147.50	Conforms
Purity by HPLC	>95%	96.325%
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	10.0mg	5.0mg*2

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:



Jul/15/2026

Quality Assurance Department

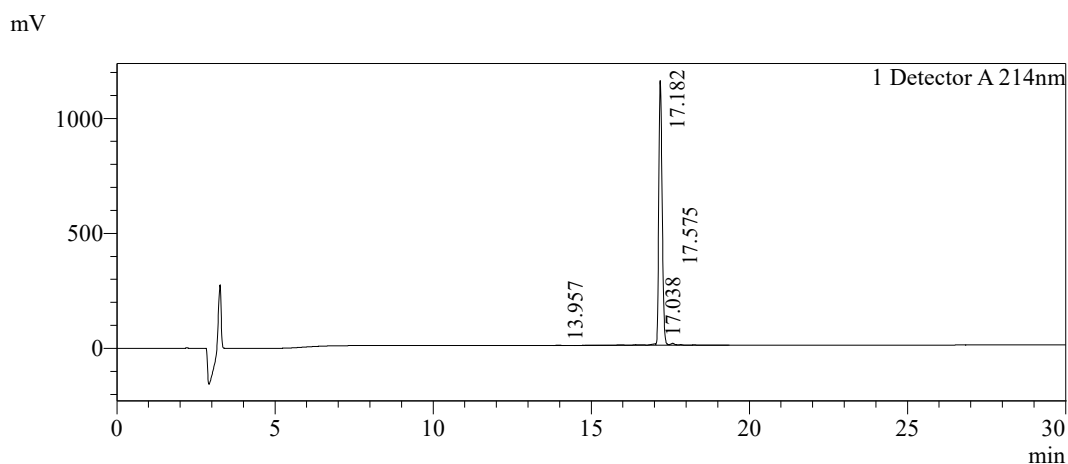


Sample Information

Order ID :MTFB20924-01
 Name :Dynorphin A (1-17), (Prodynorphin 209-225), Porcine peptide, Cat.#: 313572
 Sequence :YGGFLRRIRPKLKWDNQ
 Lot. No :MTFB20924-01-260607
 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 : 10ul

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

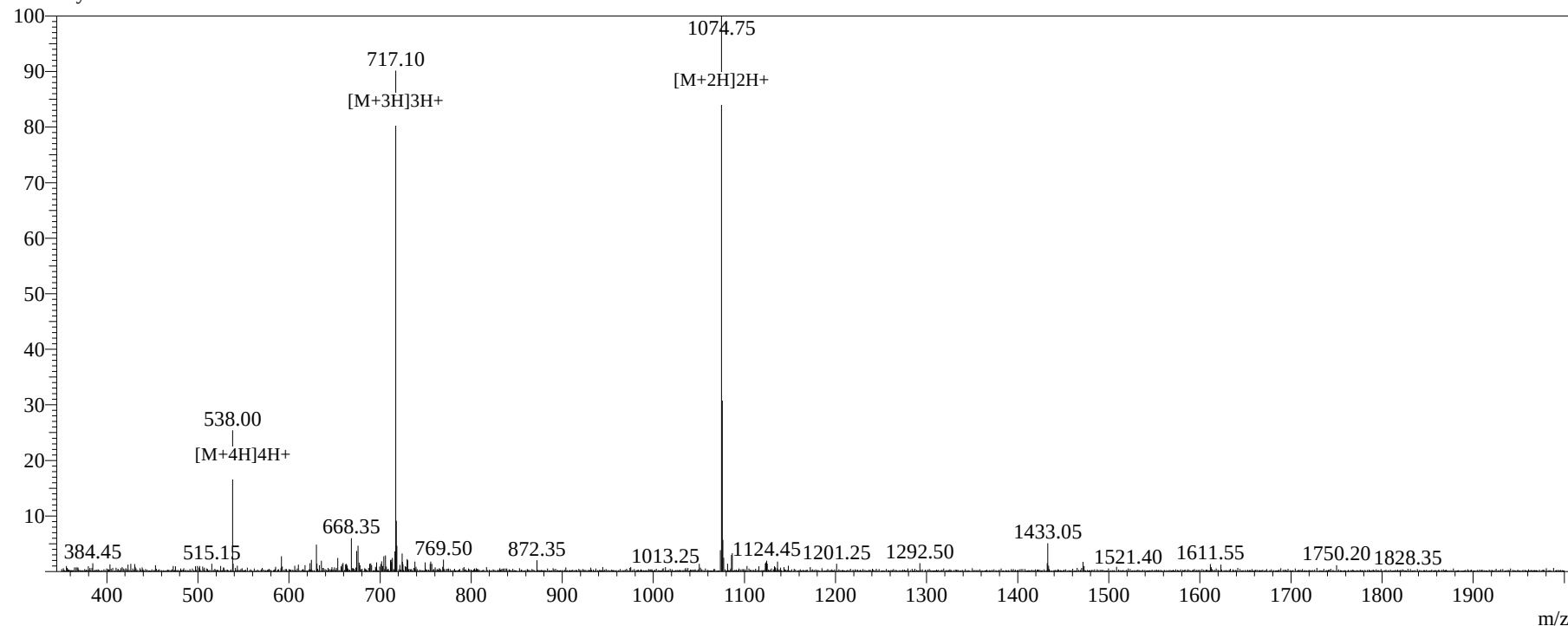
Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	13.957	9709	1379	0.110
2	17.038	180919	6475	2.043
3	17.182	8531186	1151269	96.325
4	17.575	134891	8425	1.523
Total		8856704	1167547	100.000

MS Spectrum

正

Intensity



Sample Information

Dissolution method	:15%ACN+85%H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/07/11 14:31:32	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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Lot.No	:MTFB20924-01-260607
Theoretical	:2147.49
Observed	:2147.50