
CERTIFICATE OF ANALYSIS

Product Name	Dynorphin B [1-29], Cat.#: 308450
Lot No.	MTFB20705-01-260402
Sequence	YGGFLRRQFKVVTRSQEDPNAYYEELFDV
Dissolution condition	20%FA+30%ACN+50%H2O
Modification	N/A
Molecular Weight (MW)	3527.85
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3528.4	Conforms
Purity by HPLC	95%	95.46%
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	10mg	2 x 5mg

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:



Aug/27/2026

Quality Assurance Department

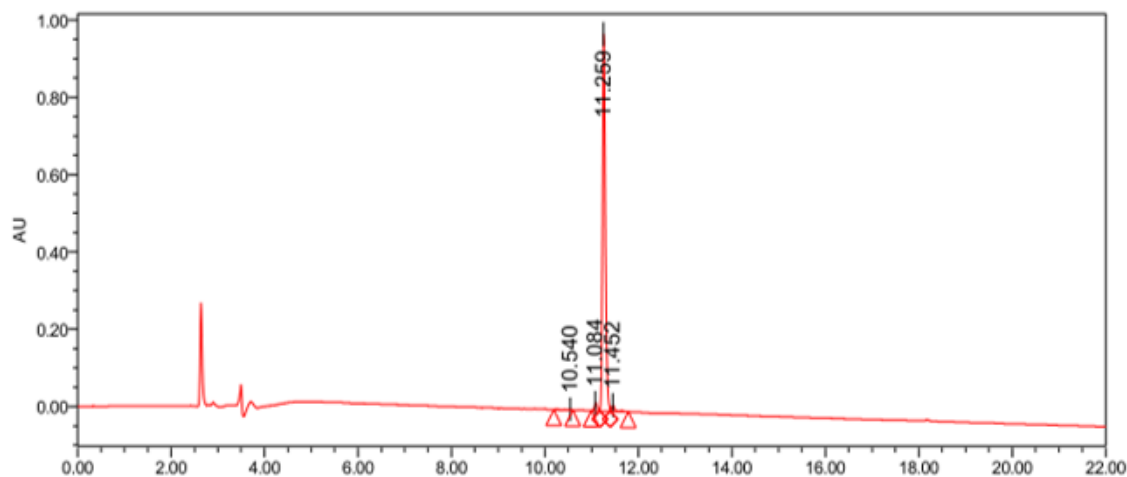


Sample Information

Name : Dynorphin B [1-29], Cat.#: 308450
 Sequence : YGGFLRRQFKVVTRSQEDPNAYYEELFDV
 Lot. No : MTFB20705-01-260402
 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 um)
 Dissolution method : 100%H₂O
 Inj. Volume : 15ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	45
30.00	Pumps	B.Conc	75
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	45
50.00	Controller	Stop	-

Chromatogram

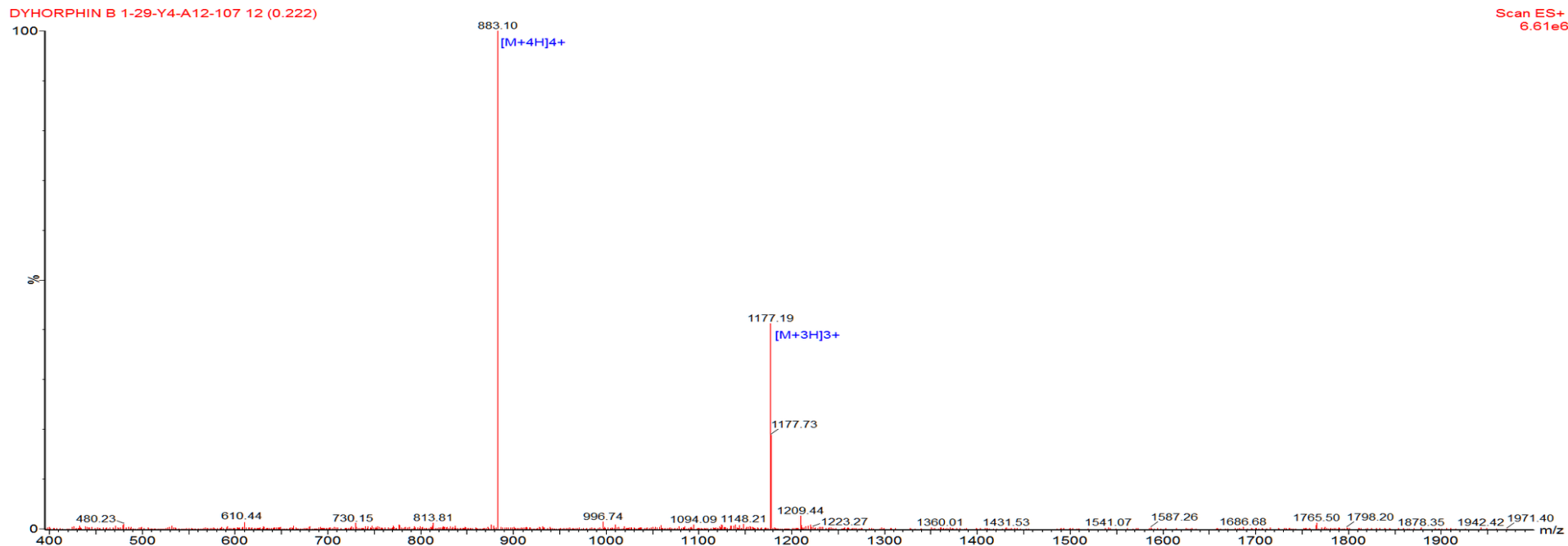


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.540	15527	1859	0.36
2	11.084	92472	20937	2.14
3	11.259	4129611	977008	95.46
4	11.452	88485	16393	2.05
Total	-	4326095	1016197	100.00

MS Spectrum



Sample Information

Dissolution method	: 15%ACN+85%H2O	Interface	: ESI	Prerod Bias	: +4.5kv
Date Acquired	: 2026/05/22 09:35:06	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
Name	: Dynorphin B [1-29], Cat.#: 308450				
Sequence	: YGGFLRRQFKVVTRSQEDPNAYYEELFDV				
Lot.No	: MTFB20705-01-260402				
Theoretical	: 3527.85				
Observed	: 3528.4				