

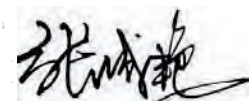
CERTIFICATE OF ANALYSIS

Product Name	Met-Enkephalin-amide Cat.#: 303318 (TFA removed)
Lot No.	MTFA30741-8-1127
Sequence	YaGFM-NH2 (Acetate Salt)
Dissolution condition	100%H2O
Length	5AA
Modification	acetate salt;a=D-Ala
Molecular Weight (MW)	586.69
Storage	-20°C

Test Items	Specifications	Results
MW by MS	586.55	Conforms
Purity by HPLC	>98%	98.438%
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	500mg	20.0mg*25

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/26/2023



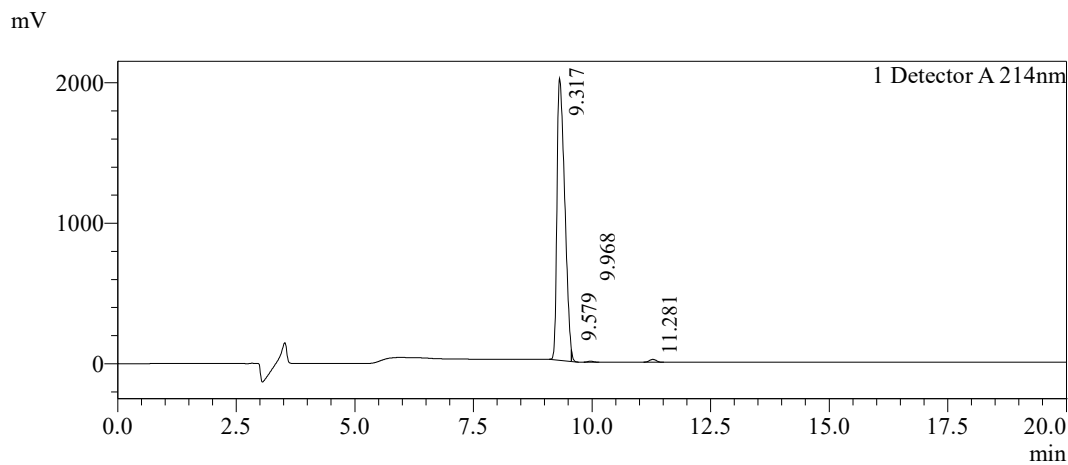
Quality Assurance Department

Sample Information

Order ID :MTFA30741-8
 Name :Met-Enkephalin-amide
 Sequence :YaGFM-NH2 (Acetate Salt)
 Lot. No :MTFA30741-8-1127
 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 :Phenomenex Luna® 5 µm C18(2) (4.6*250mm*5 µm)
 Dissolution method :100%H2O
 Inj. Volume : 15ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	20
20.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	20
50.00	Controller	Stop	

Chromatogram

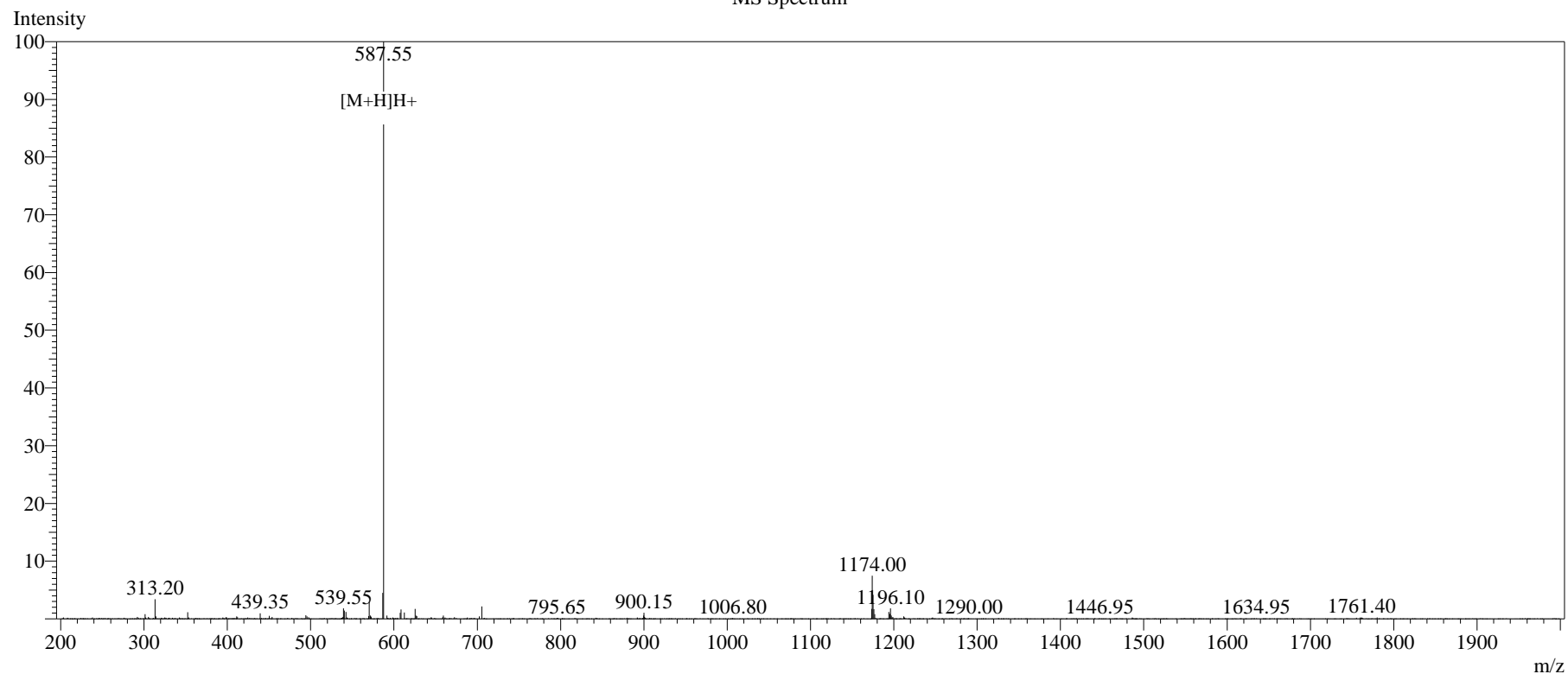


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.317	22876471	2007544	98.438
2	9.579	109301	64001	0.470
3	9.968	57863	7073	0.249
4	11.281	195849	19538	0.843
Total		23239485	2098156	100.000

MS Spectrum



Sample Information

Dissolution method	:15% ACN+85% H ₂ O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2023/12/05 13:39:46	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

Order ID	:MTFA30741-8
Name	:Met-Enkephalin-amide
Sequence	:YaGFM-NH ₂ (Acetate Salt)
Lot.No	:MTFA30741-8-1127
Theoretical	:586.69
Observed	:586.55