


CERTIFICATE OF ANALYSIS

Product Name	BHB-Phe peptide (TFA removed), Cat.#: 319747
Lot No.	MTFA33275-02
Sequence	BHB-Phe-OH (TFA removed, Acetate salt)
Dissolution condition	100%H ₂ O
Length	1 AA
Modification	Beta-hydroxybutyrate
Molecular Weight (MW)	251.30
Storage	-20°C

Test Items	Specifications	Results
MW by MS	251.30	Conforms
Purity by HPLC	>95%	97.500%
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	1,750 mg	50mg*35

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

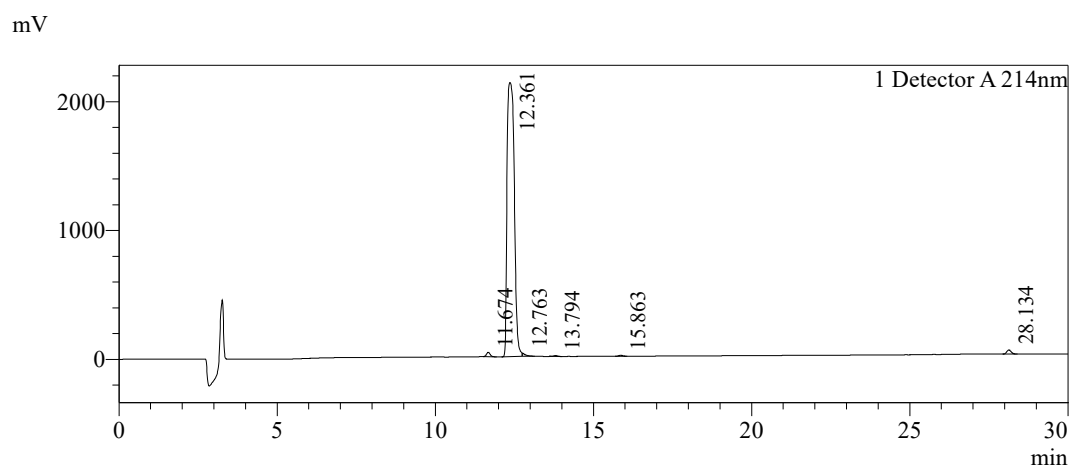
Sep/03/2025



Sample Information

Order ID	:MTFA33275-02		
Name	:N/A		
Sequence	:BHB-Phe		
Lot. No	:MTFA33275-02		
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	: 20ul		
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

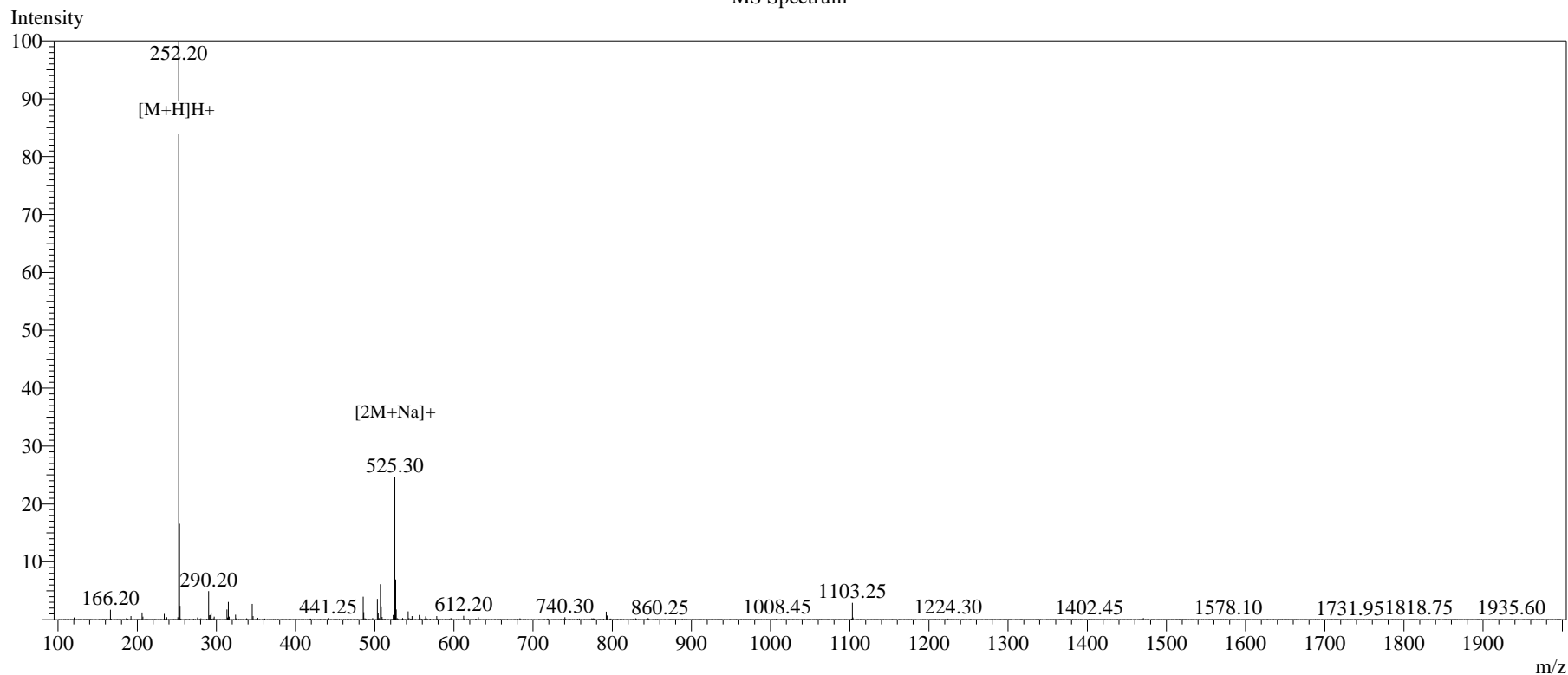


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	11.674	272998	33955	0.791
2	12.361	33635625	2129814	97.500
3	12.763	164549	24823	0.477
4	13.794	53331	5820	0.155
5	15.863	58730	7058	0.170
6	28.134	312688	32032	0.906
Total		34497920	2233501	100.000

MS Spectrum



Sample Information

Dissolution method :15% ACN+85% H₂O
 Date Acquired :2025/09/03 15:52:29
 Injection Volume :0.2ul
 Block Temp :200

Interface :ESI
 Nebulizing Gas Flow :1.50L/min
 CDL Temp :250°C
 CDL Volt :0v

Prerod Bias :+4.5kv
 Detector :-.0.2kv
 T.Flow :0.2ml/min
 B.conc :50% H₂O/50% ME OH

Order ID :MTFA33275-02
 Name :N/A
 Sequence :BHB-Phe
 Lot.No :MTFA32298-0106
 Theoretical :251.30
 Observed :251.30