

CERTIFICATE OF ANALYSIS

Product Name	Biotin-3x FLAG, Cat.#: 319197 (TFA removed)
Lot No.	MTFB21214-261009
Sequence	Biotin-MDYKDHDGDYKDHDIDYKDDDDK (Acetate Salt)
Dissolution condition	15%ACN+85%H2O
Modification	Acetate salt
Molecular Weight (MW)	3088.16
Storage	-20°C

Test Items	Specifications	Results
MW by MS	3088.80	Conforms
Purity by HPLC	>95%	95.322%
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	30.0mg	5.0mg*6

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:



Oct/14/2026

Quality Assurance Department

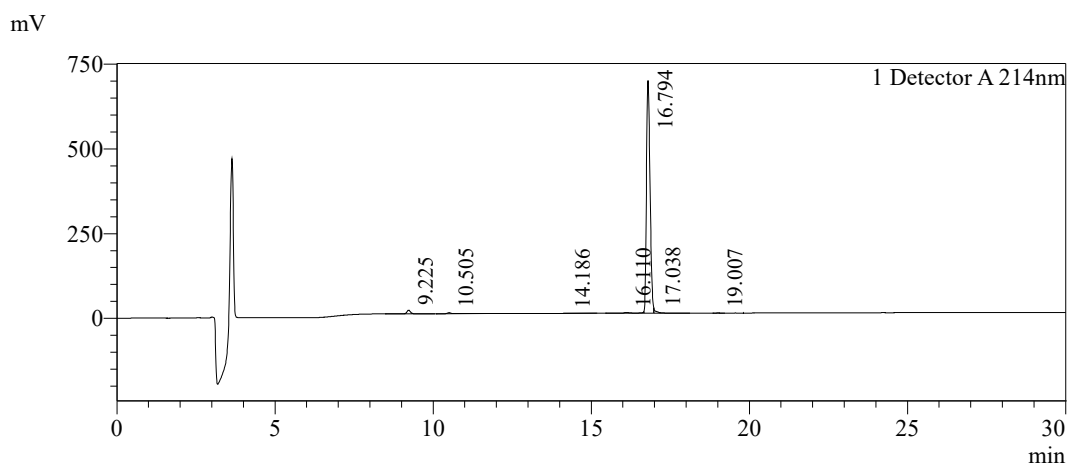


Sample Information

Order ID :MTFB21214
 Name :Biotin-3x FLAG, Cat.#: 319197 (TFA removed)
 Sequence :Biotin-MDYKDHDGDYKDHDIDYKDDDDK (Acetate Salt)
 Lot. No :MTFB21214-261009
 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 :15%ACN+85%H2O
 Inj. Volume : 25ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	10
30.00	Pumps	B.Conc	40
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	10
50.00	Controller	Stop	

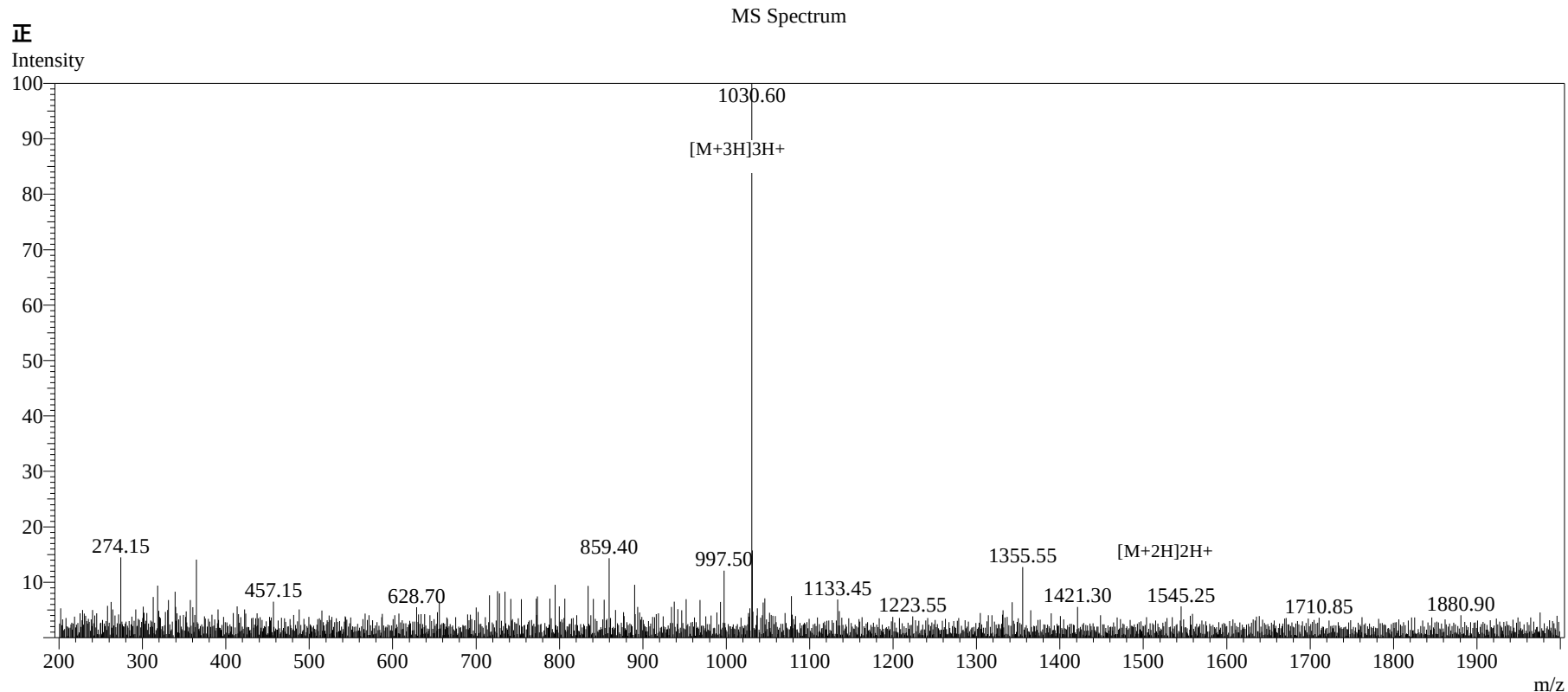
Chromatogram



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	9.225	90961	10805	1.594
2	10.505	30909	3077	0.542
3	14.186	11921	446	0.209
4	16.110	54945	2525	0.963
5	16.794	5438861	686798	95.322
6	17.038	75144	5897	1.317
7	19.007	3023	399	0.053
Total		5705763	709947	100.000



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2026/10/12 10:29:05	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

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Lot.No	:MTFB21214-261009
Theoretical	:3088.16
Observed	:3088.80