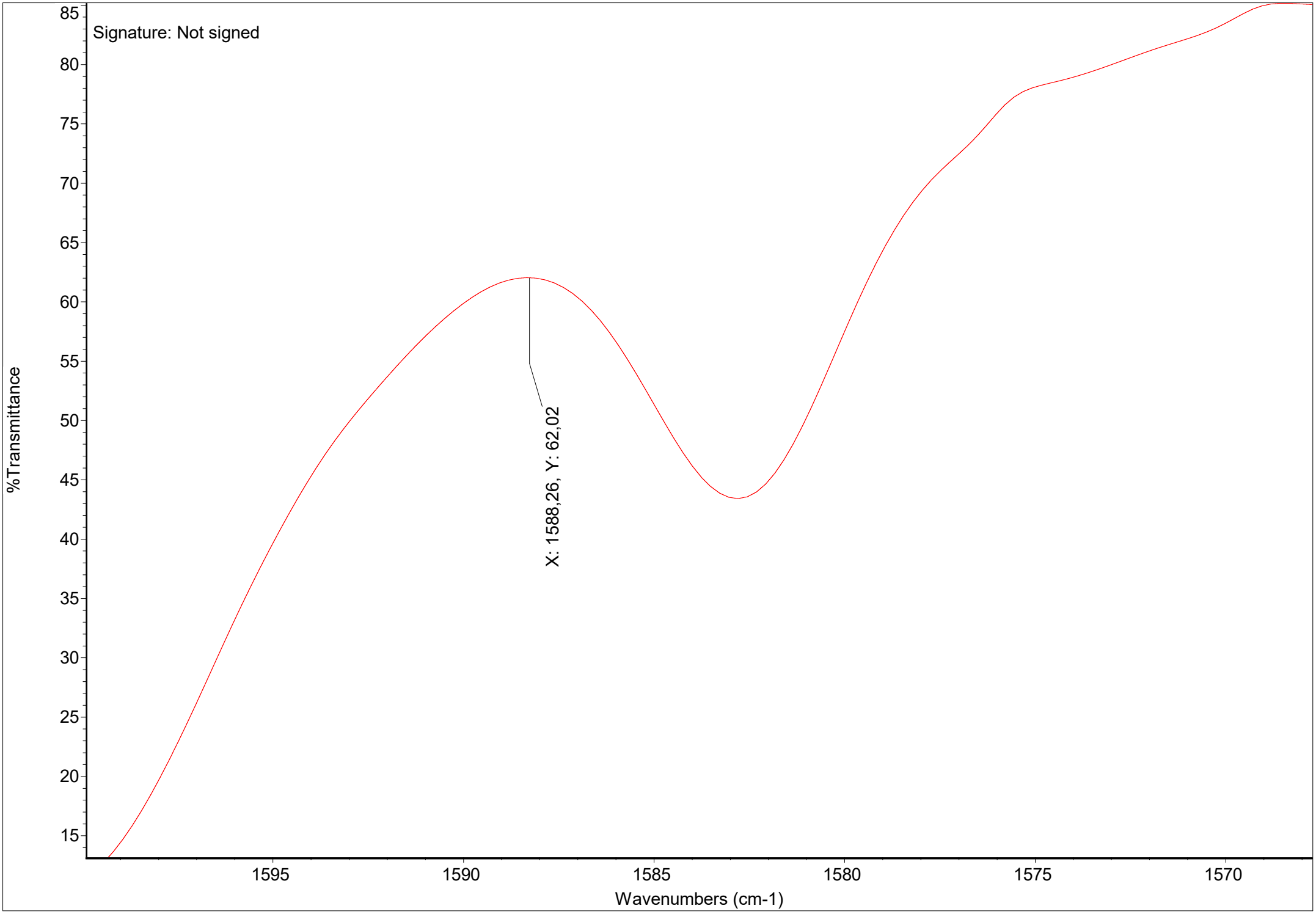
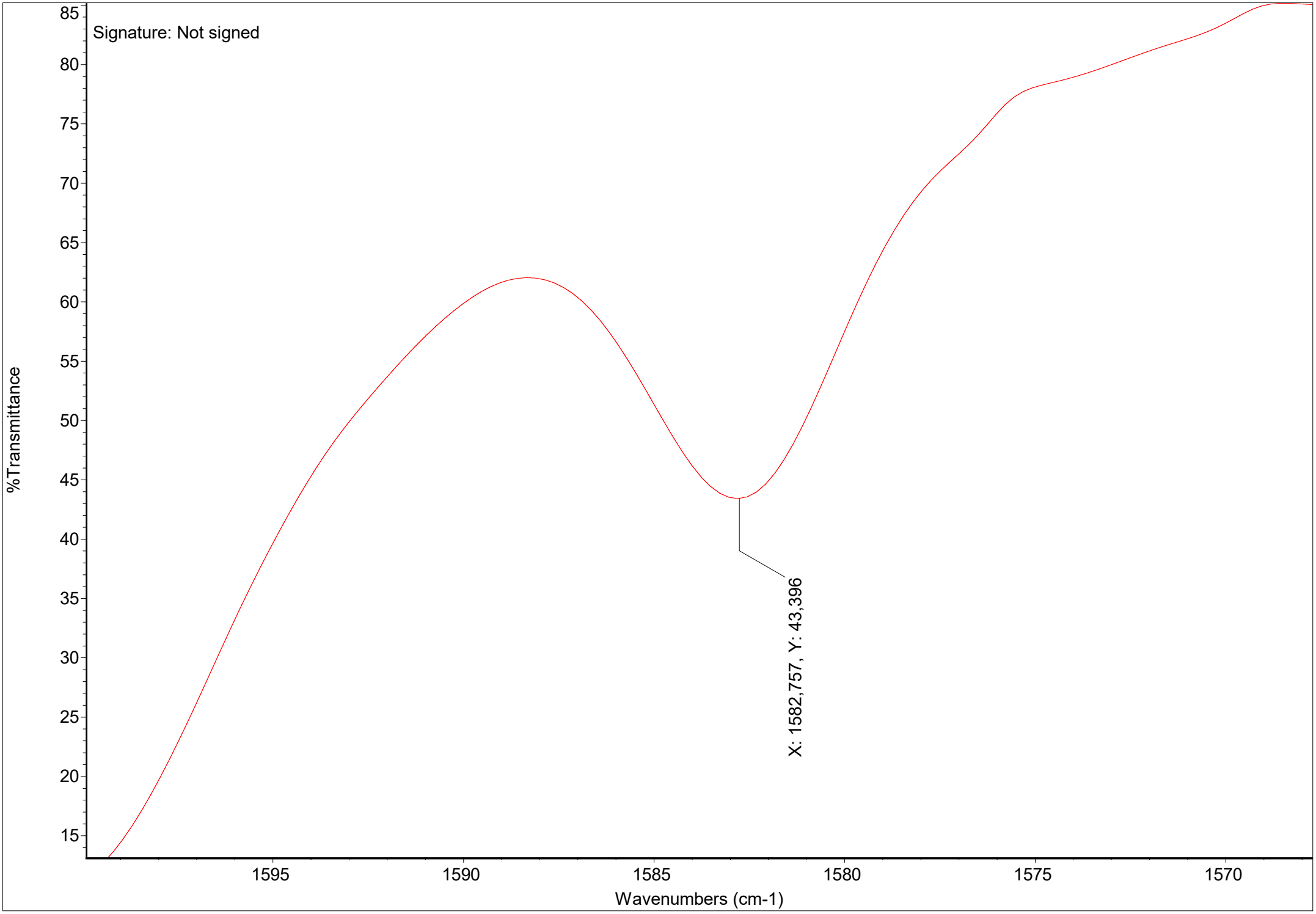
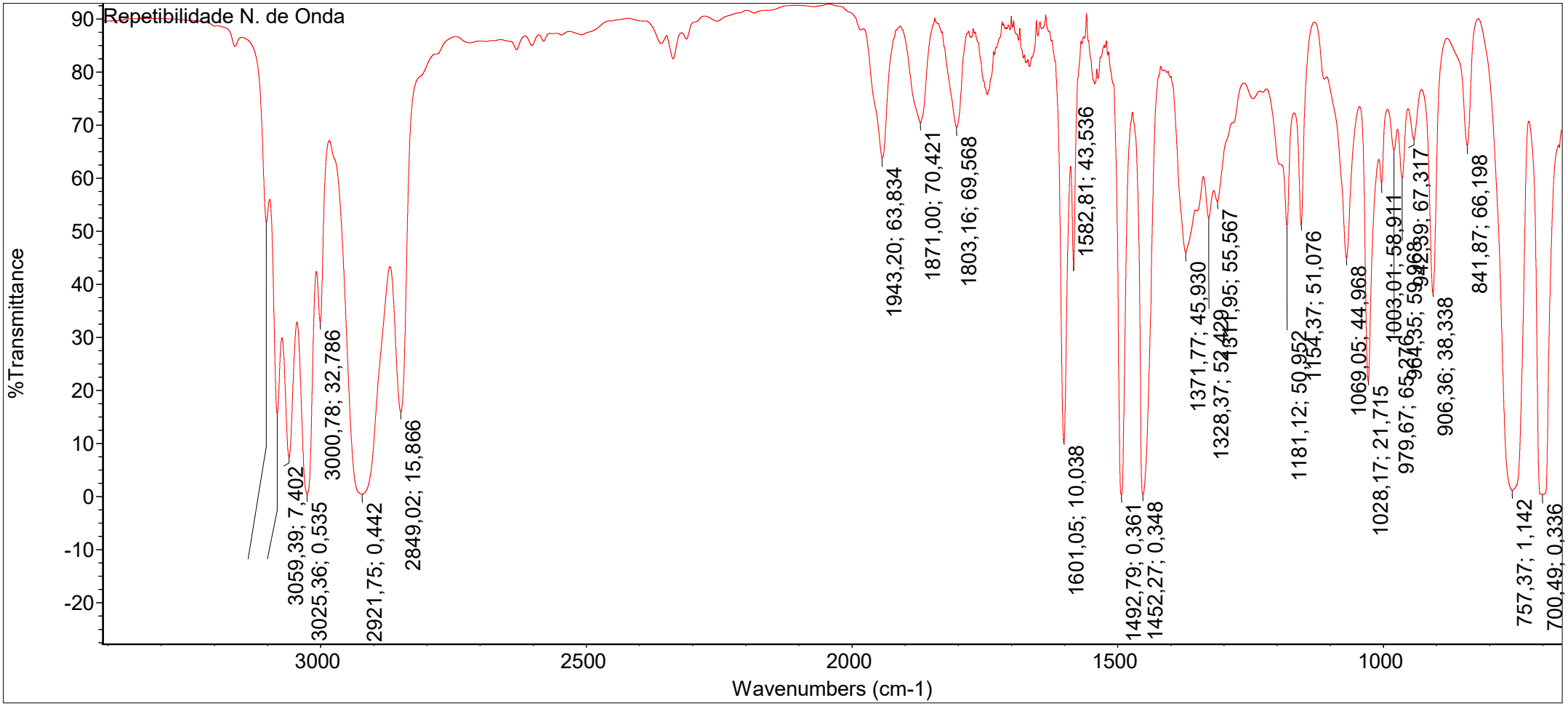

Signature: Not signed
%Transmittance
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
X: 1588,26, Y: 62,02
1595
1590
1585
1580
1575
1570
Wavenumbers (cm-1)


Signature: Not signed
%Transmittance
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
1595
1590
1585
1580
1575
1570
Wavenumbers (cm-1)
X: 1582,757, Y: 43,396

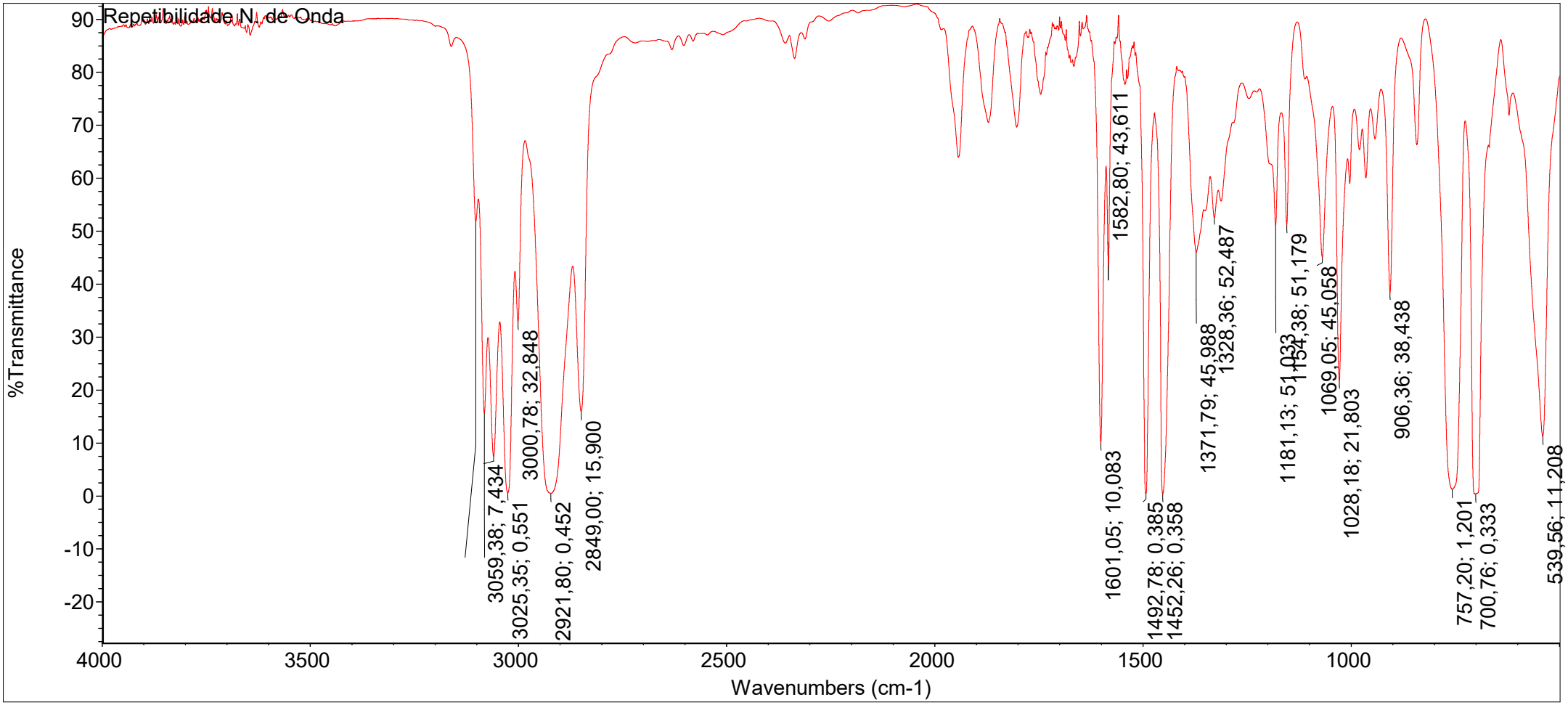


Wed Apr 23 14:30:48 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	Repetibilidade N. de Onda		
Region:	3411,19	664,74	
Absolute threshold:	72,025		
Sensitivity:	85		
Peak list:			

Position:	700,49	Intensity:	0,336
Position:	757,37	Intensity:	1,142
Position:	841,87	Intensity:	66,196
Position:	906,36	Intensity:	38,338
Position:	942,39	Intensity:	67,315
Position:	964,35	Intensity:	59,963
Position:	979,67	Intensity:	65,276

Position:	1003,01	Intensity:	58,911
Position:	1028,17	Intensity:	21,712
Position:	1069,05	Intensity:	44,968
Position:	1154,37	Intensity:	51,073
Position:	1181,12	Intensity:	50,950
Position:	1311,95	Intensity:	55,565
Position:	1328,37	Intensity:	52,427
Position:	1371,77	Intensity:	45,928
Position:	1452,27	Intensity:	0,344
Position:	1492,79	Intensity:	0,360
Position:	1582,81	Intensity:	43,535
Position:	1601,05	Intensity:	10,035
Position:	1803,16	Intensity:	69,567
Position:	1871,00	Intensity:	70,420
Position:	1943,20	Intensity:	63,833
Position:	2849,02	Intensity:	15,866
Position:	2921,75	Intensity:	0,442
Position:	3000,78	Intensity:	32,782
Position:	3025,36	Intensity:	0,535
Position:	3059,39	Intensity:	7,398
Position:	3081,68	Intensity:	15,562
Position:	3102,18	Intensity:	51,738

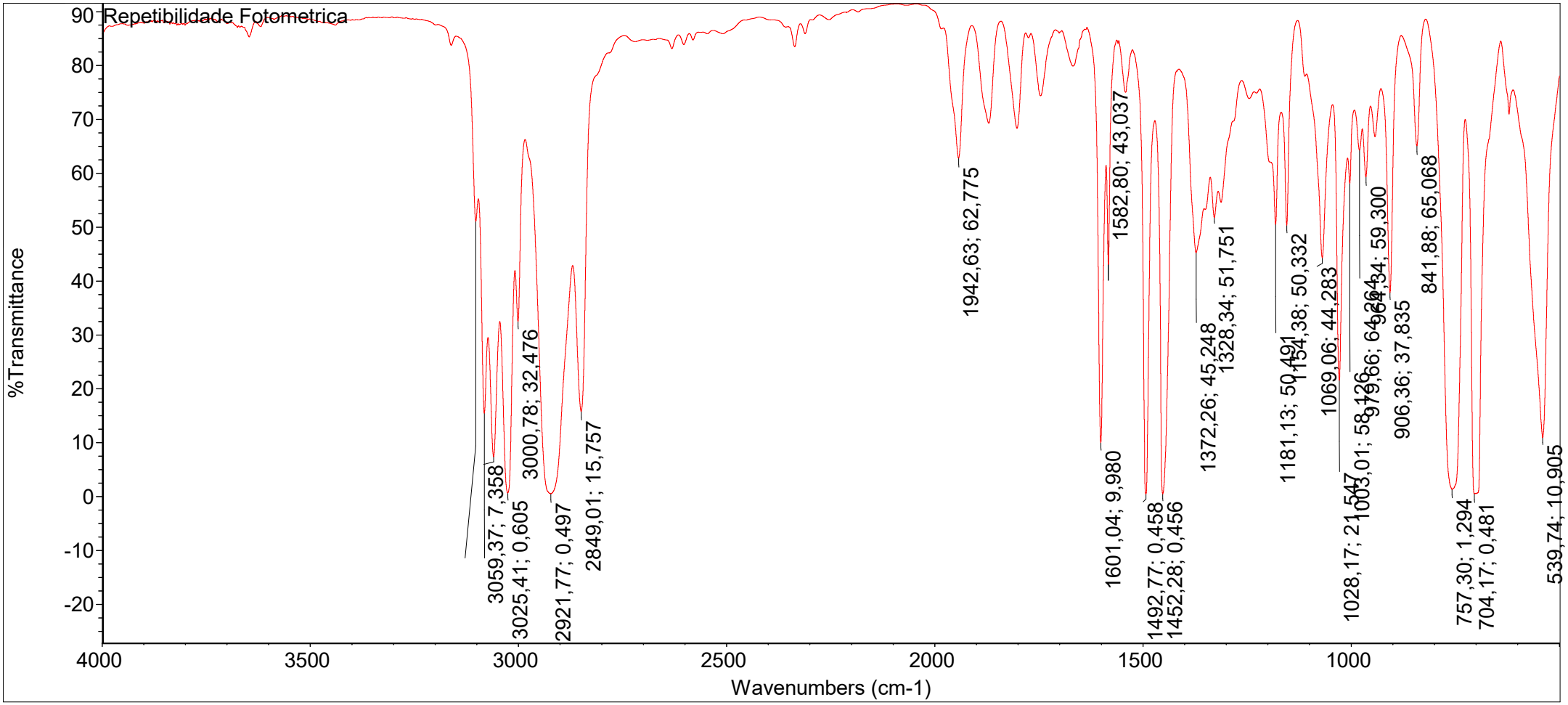


Wed Apr 23 14:37:15 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	Repetibilidade N. de Onda		
Region:	4000,00	500,00	
Absolute threshold:	57,423		
Sensitivity:	50		
Peak list:			

Position:	539,56	Intensity:	11,207
Position:	700,76	Intensity:	0,333
Position:	757,20	Intensity:	1,201
Position:	906,36	Intensity:	38,438
Position:	1028,18	Intensity:	21,799
Position:	1069,05	Intensity:	45,057
Position:	1154,38	Intensity:	51,177

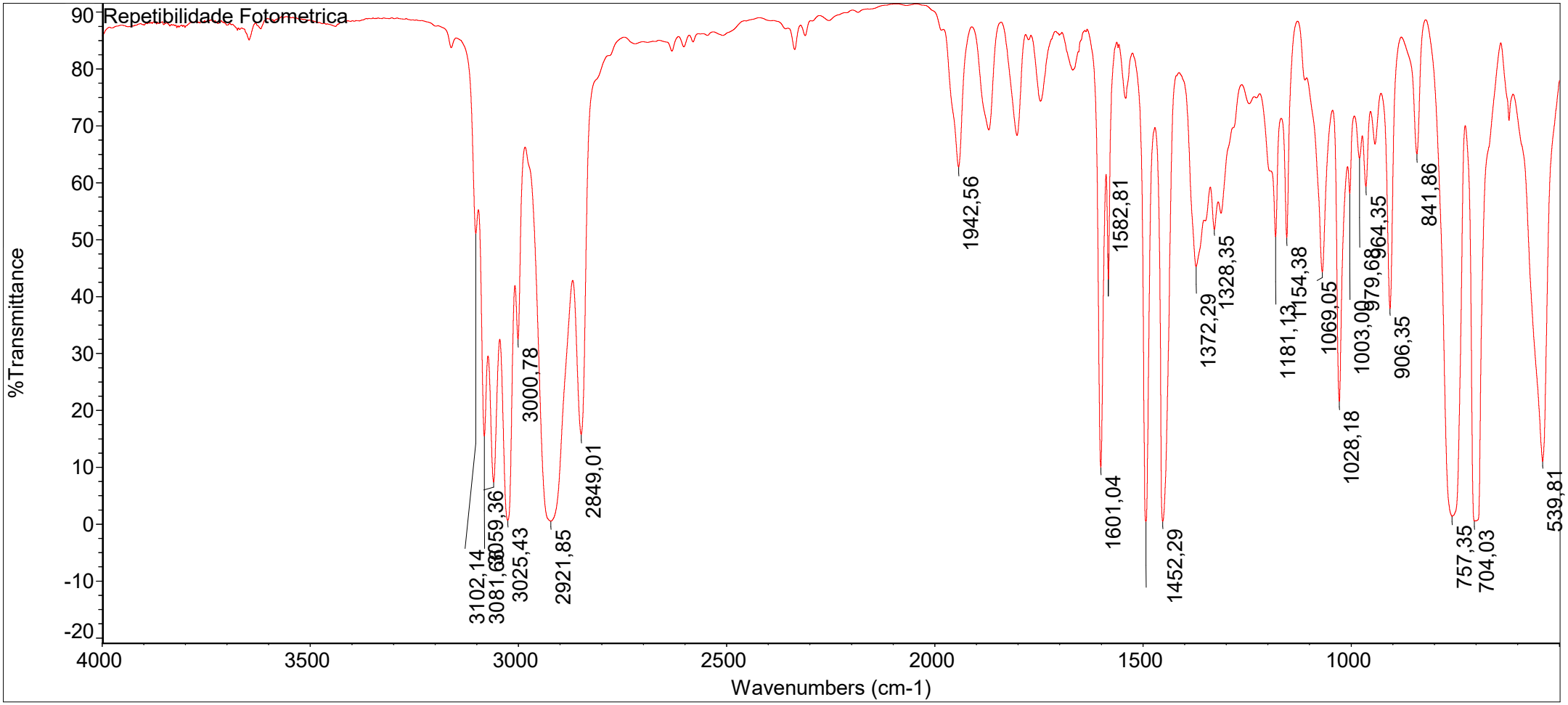
Position:	1181,13	Intensity:	51,031
Position:	1328,36	Intensity:	52,484
Position:	1371,79	Intensity:	45,987
Position:	1452,26	Intensity:	0,354
Position:	1492,78	Intensity:	0,385
Position:	1582,80	Intensity:	43,611
Position:	1601,05	Intensity:	10,080
Position:	2849,00	Intensity:	15,899
Position:	2921,80	Intensity:	0,451
Position:	3000,78	Intensity:	32,844
Position:	3025,35	Intensity:	0,551
Position:	3059,38	Intensity:	7,431
Position:	3081,66	Intensity:	15,602
Position:	3102,15	Intensity:	51,786



Wed Apr 23 14:43:20 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	Repetibilidade Fotometrica			
Region:	4000,00	500,00		
Absolute threshold:	65,527			
Sensitivity:	50			
Peak list:				
	Position:	539,74	Intensity:	10,905
	Position:	704,17	Intensity:	0,481
	Position:	757,30	Intensity:	1,294
	Position:	841,88	Intensity:	65,065
	Position:	906,36	Intensity:	37,835
	Position:	964,34	Intensity:	59,296
	Position:	979,66	Intensity:	64,264

Position:	1003,01	Intensity:	58,125
Position:	1028,17	Intensity:	21,544
Position:	1069,06	Intensity:	44,283
Position:	1154,38	Intensity:	50,330
Position:	1181,13	Intensity:	50,489
Position:	1328,34	Intensity:	51,748
Position:	1372,26	Intensity:	45,247
Position:	1452,28	Intensity:	0,453
Position:	1492,77	Intensity:	0,457
Position:	1582,80	Intensity:	43,037
Position:	1601,04	Intensity:	9,976
Position:	1942,63	Intensity:	62,774
Position:	2849,01	Intensity:	15,756
Position:	2921,77	Intensity:	0,497
Position:	3000,78	Intensity:	32,472
Position:	3025,41	Intensity:	0,604
Position:	3059,37	Intensity:	7,355
Position:	3081,66	Intensity:	15,422
Position:	3102,15	Intensity:	51,059

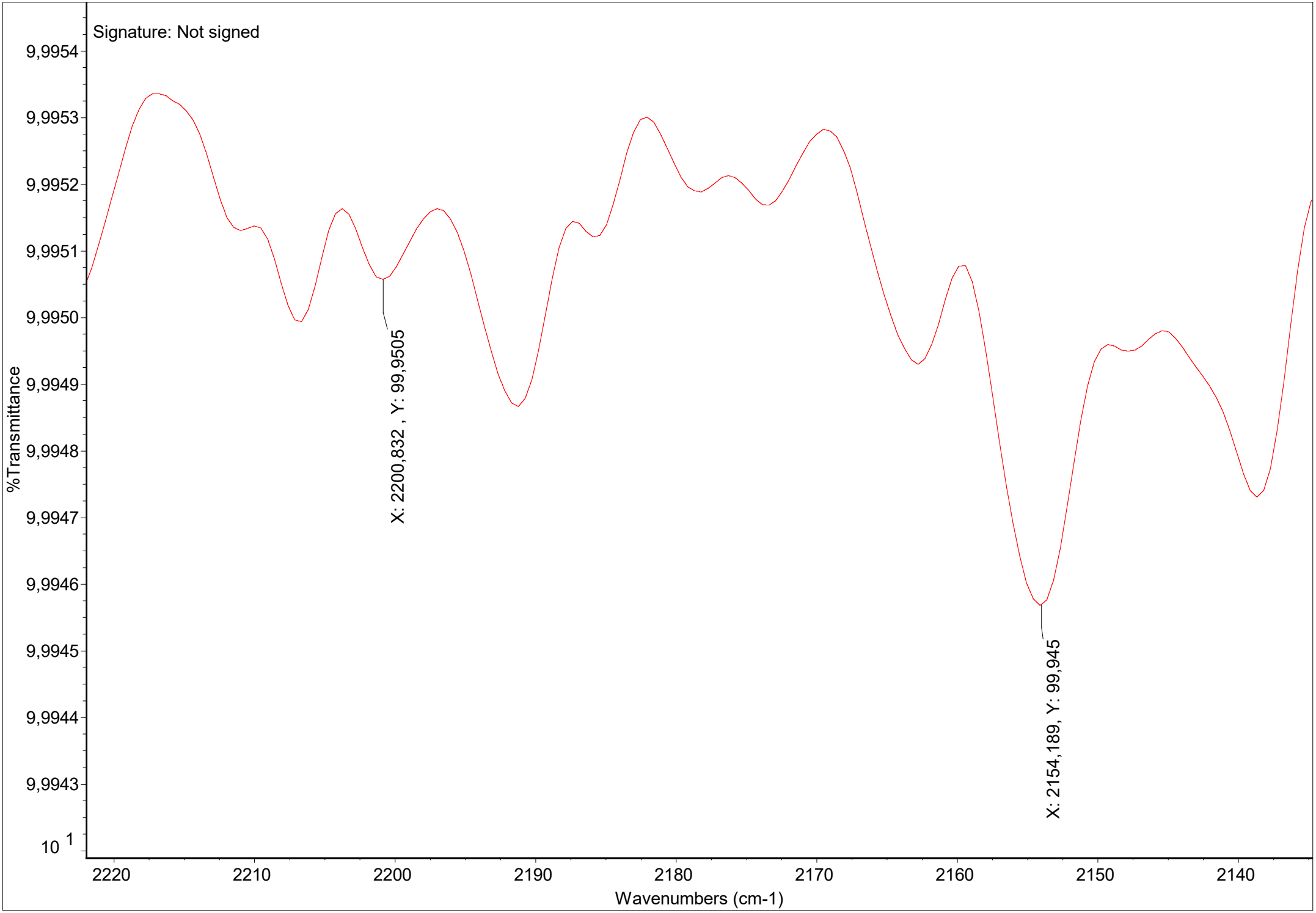


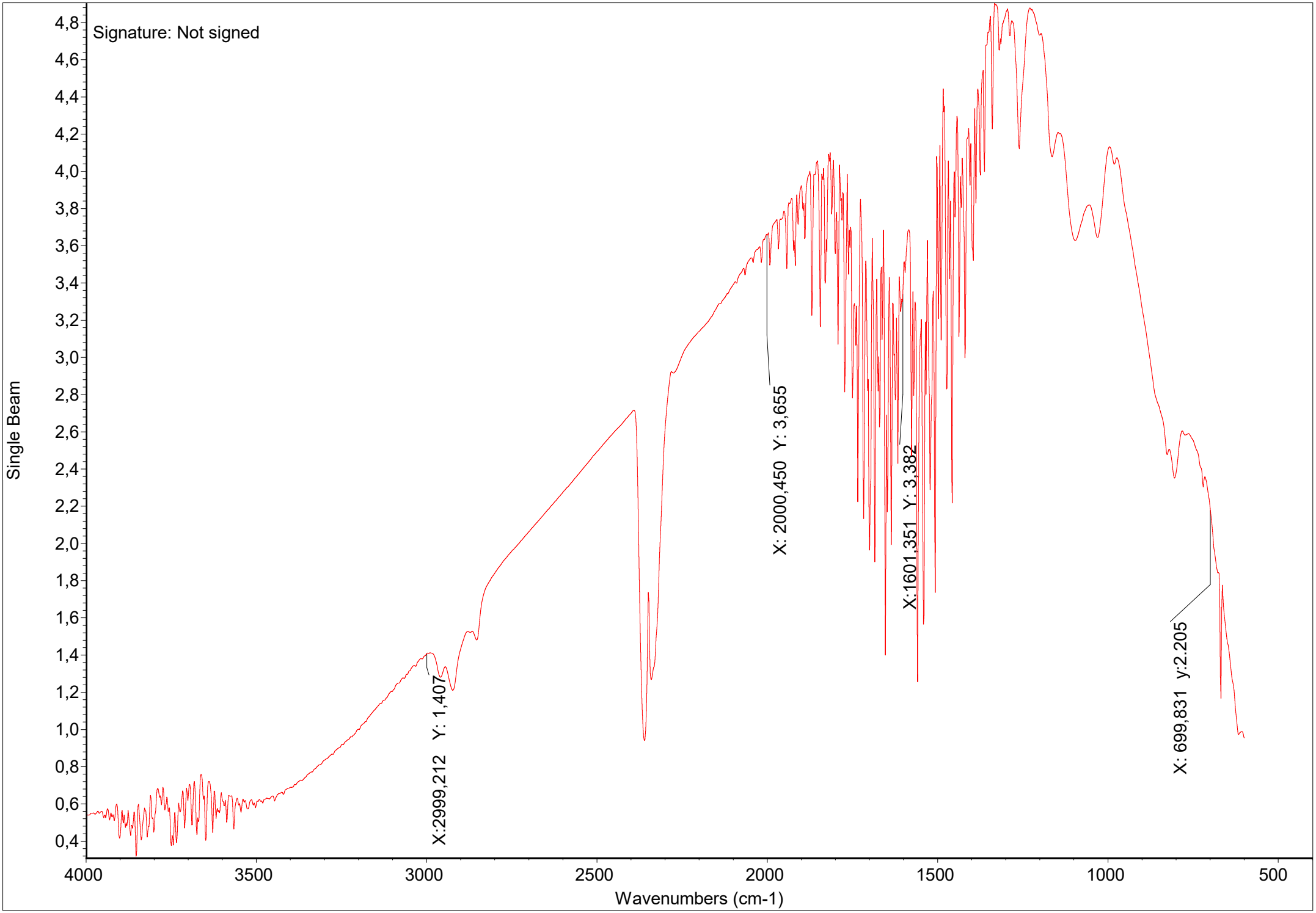
Wed Apr 23 14:49:01 2025 (GMT-03:00)
FIND PEAKS:

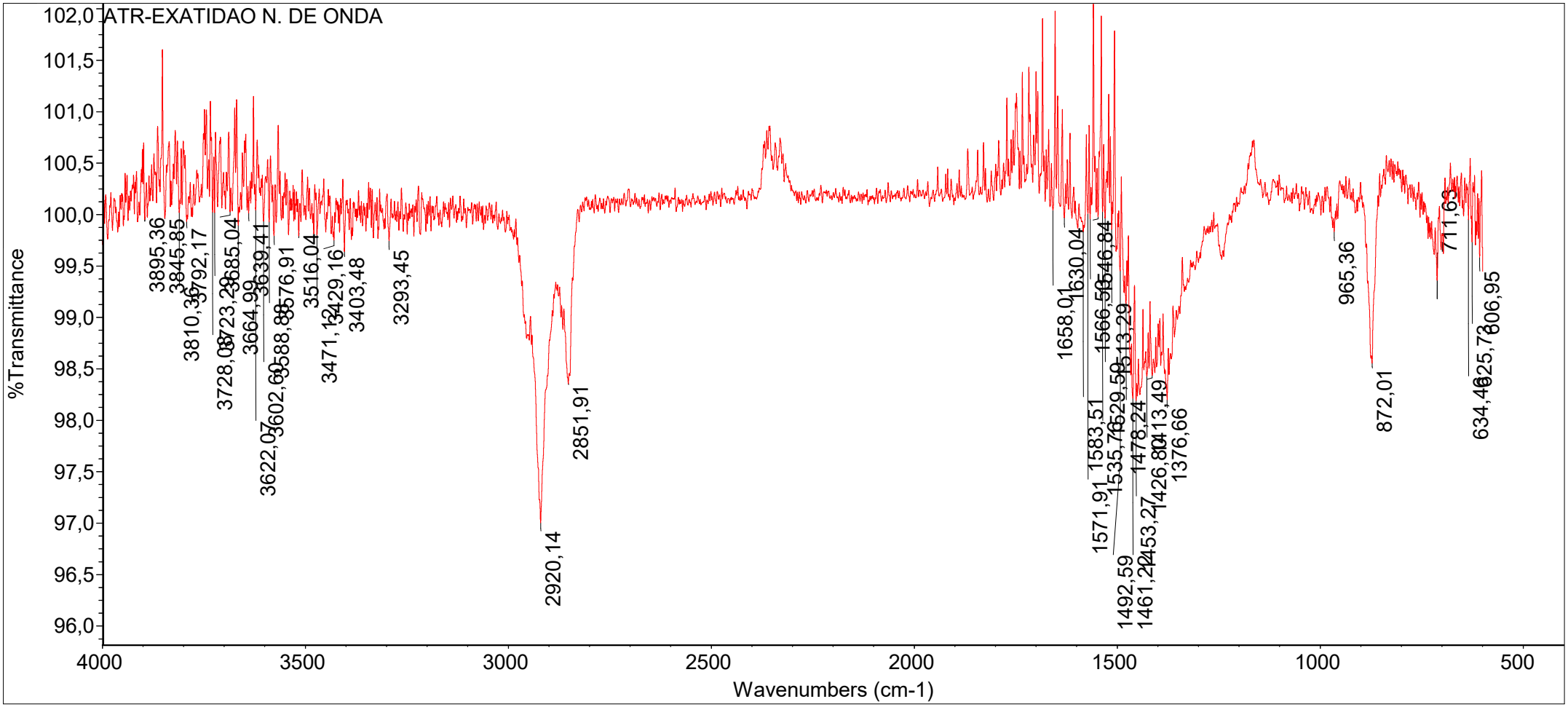
Spectrum:	Repetibilidade Fotometrica		
Region:	4000,00	500,00	
Absolute threshold:	66,069		
Sensitivity:	50		
Peak list:			

Position:	539,81	Intensity:	10,984
Position:	704,03	Intensity:	0,521
Position:	757,35	Intensity:	1,336
Position:	841,86	Intensity:	65,111
Position:	906,35	Intensity:	37,869
Position:	964,35	Intensity:	59,335
Position:	979,68	Intensity:	64,301

Position:	1003,00	Intensity:	58,156
Position:	1028,18	Intensity:	21,557
Position:	1069,05	Intensity:	44,313
Position:	1154,38	Intensity:	50,333
Position:	1181,13	Intensity:	50,498
Position:	1328,35	Intensity:	51,776
Position:	1372,29	Intensity:	45,255
Position:	1452,29	Intensity:	0,438
Position:	1492,78	Intensity:	0,457
Position:	1582,81	Intensity:	43,043
Position:	1601,04	Intensity:	9,982
Position:	1942,56	Intensity:	62,749
Position:	2849,01	Intensity:	15,751
Position:	2921,85	Intensity:	0,510
Position:	3000,78	Intensity:	32,476
Position:	3025,43	Intensity:	0,611
Position:	3059,36	Intensity:	7,368
Position:	3081,66	Intensity:	15,439
Position:	3102,14	Intensity:	51,083


Signature: Not signed
9,9954
9,9953
9,9952
9,9951
9,9950
9,9949
9,9948
9,9947
9,9946
9,9945
9,9944
9,9943
10 1
%Transmittance
X: 2200,832 , Y: 99,9505
X: 2154,189, Y: 99,945
2220
2210
2200
2190
2180
2170
2160
2150
2140
Wavenumbers (cm-1)


Signature: Not signed
Single Beam
4,8
4,6
4,4
4,2
4,0
3,8
3,6
3,4
3,2
3,0
2,8
2,6
2,4
2,2
2,0
1,8
1,6
1,4
1,2
1,0
0,8
0,6
0,4
X:2999,212 Y: 1,407
X: 2000,450 Y: 3,655
X:1601,351 Y: 3,382
X: 699,831 y:2.205
4000
3500
3000
2500
2000
1500
1000
500
Wavenumbers (cm-1)

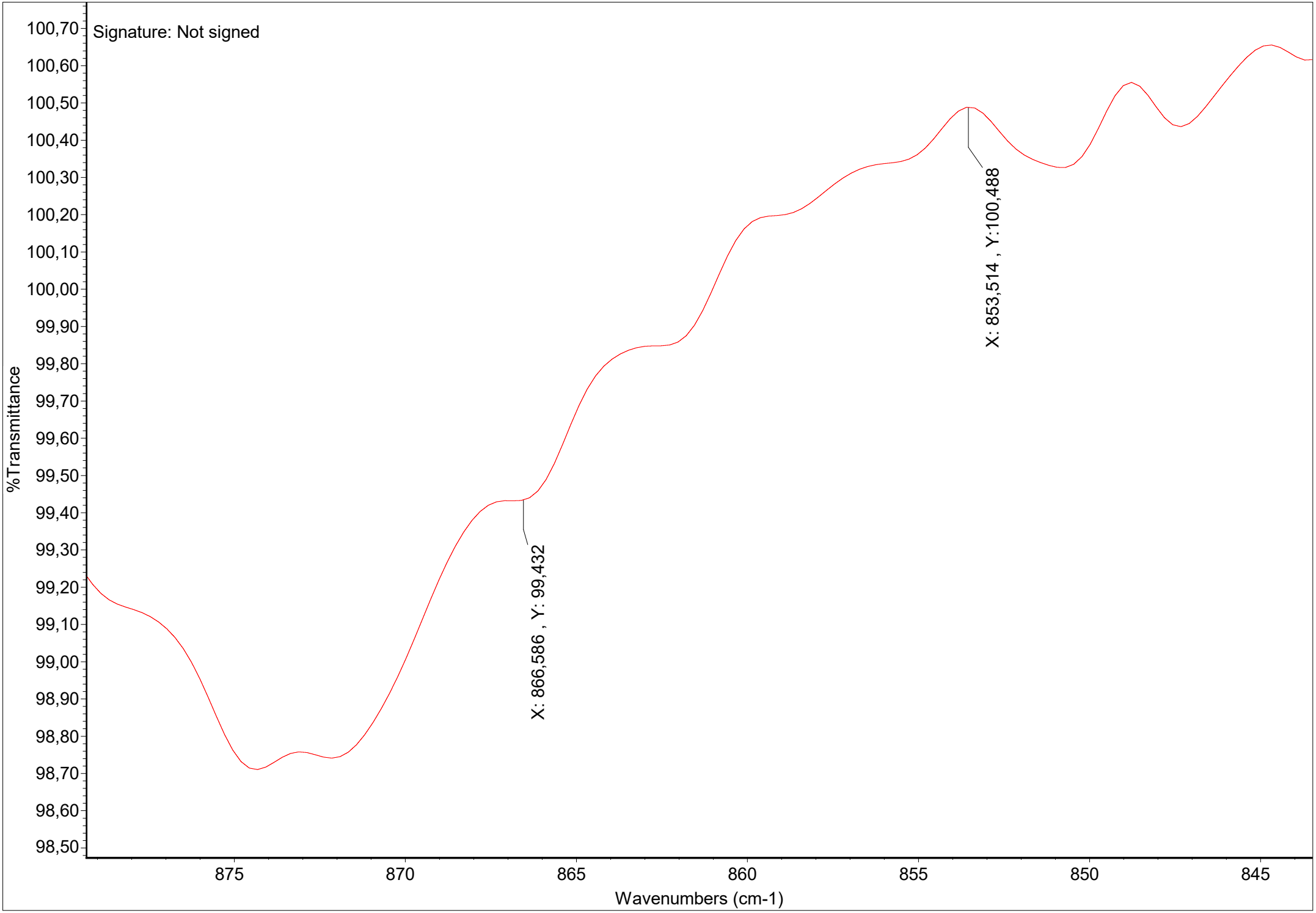


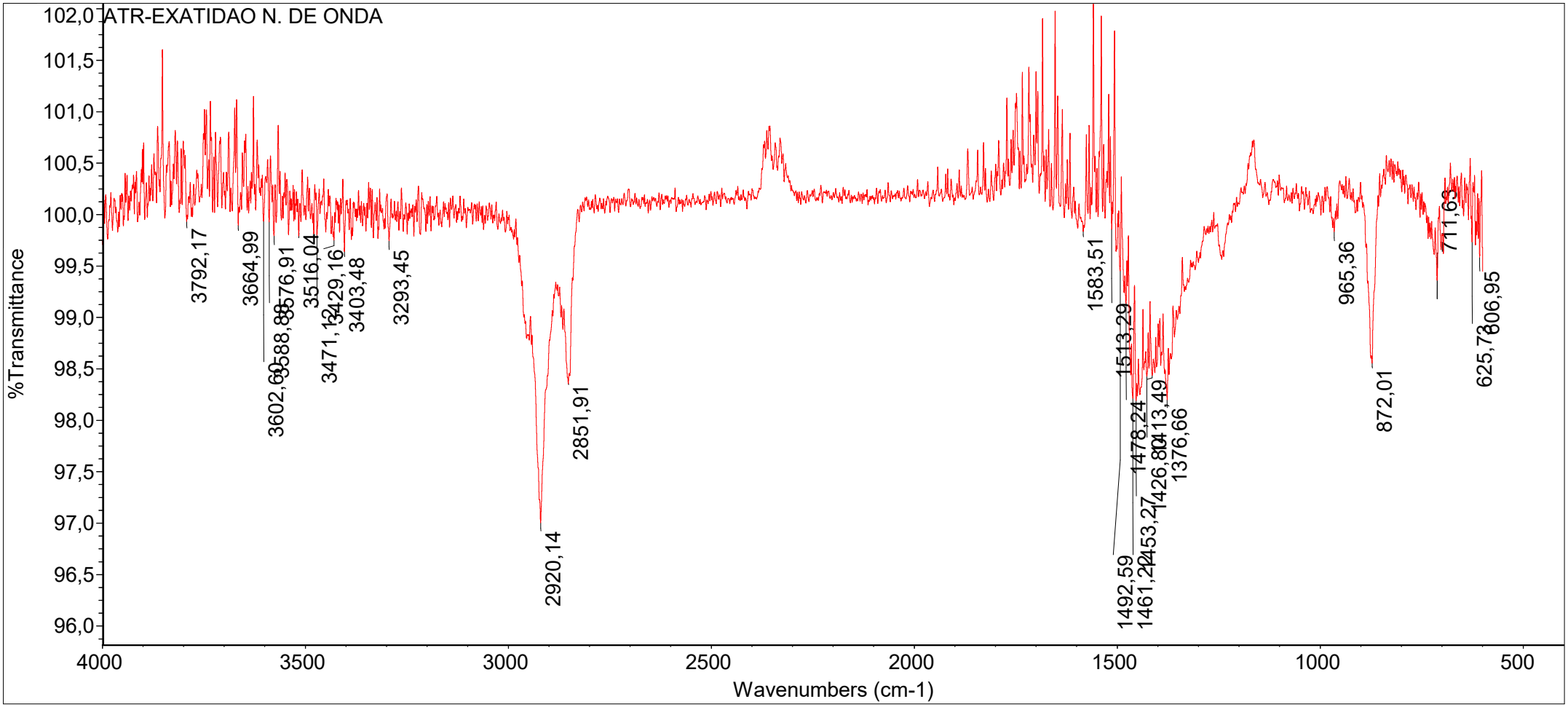
Thu Apr 24 10:23:49 2025 (GMT-03:00)
FIND PEAKS:

Spectrum: ATR-EXATIDAO N. DE ONDA
Region: 4000,12 400,16
Absolute threshold: 100,045
Sensitivity: 30
Peak list:

Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	634,46	Intensity:	99,946
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198

Position:	1413,49	Intensity:	98,434
Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1529,59	Intensity:	99,962
Position:	1535,76	Intensity:	100,027
Position:	1546,84	Intensity:	99,977
Position:	1566,53	Intensity:	99,954
Position:	1571,91	Intensity:	100,009
Position:	1583,51	Intensity:	99,835
Position:	1630,04	Intensity:	99,968
Position:	1658,01	Intensity:	100,042
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3622,07	Intensity:	100,040
Position:	3639,41	Intensity:	100,011
Position:	3664,99	Intensity:	99,894
Position:	3685,04	Intensity:	100,026
Position:	3723,29	Intensity:	100,014
Position:	3728,08	Intensity:	100,019
Position:	3792,17	Intensity:	99,930
Position:	3810,36	Intensity:	100,018
Position:	3845,85	Intensity:	99,963
Position:	3895,36	Intensity:	99,947


Signature: Not signed
100,70
100,60
100,50
100,40
100,30
100,20
100,10
100,00
99,90
99,80
99,70
99,60
99,50
99,40
99,30
99,20
99,10
99,00
98,90
98,80
98,70
98,60
98,50
%Transmittance
X: 866,586 , Y: 99,432
X: 853,514 , Y:100,488
875
870
865
860
855
850
845
Wavenumbers (cm-1)

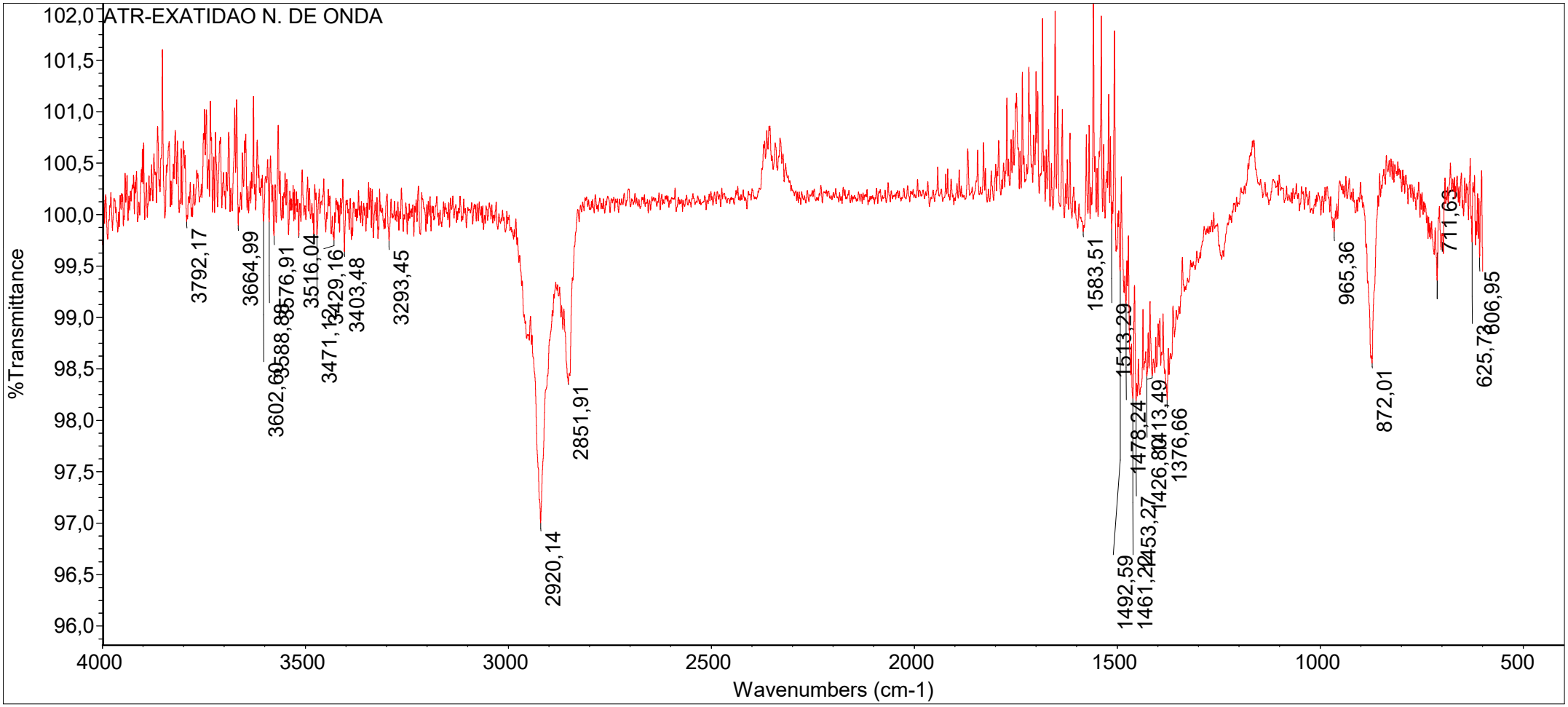


Thu Apr 24 11:02:14 2025 (GMT-03:00)
FIND PEAKS:

Spectrum: ATR-EXATIDAO N. DE ONDA
Region: 4000,12 400,16
Absolute threshold: 99,945
Sensitivity: 30
Peak list:

Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198
Position:	1413,49	Intensity:	98,434

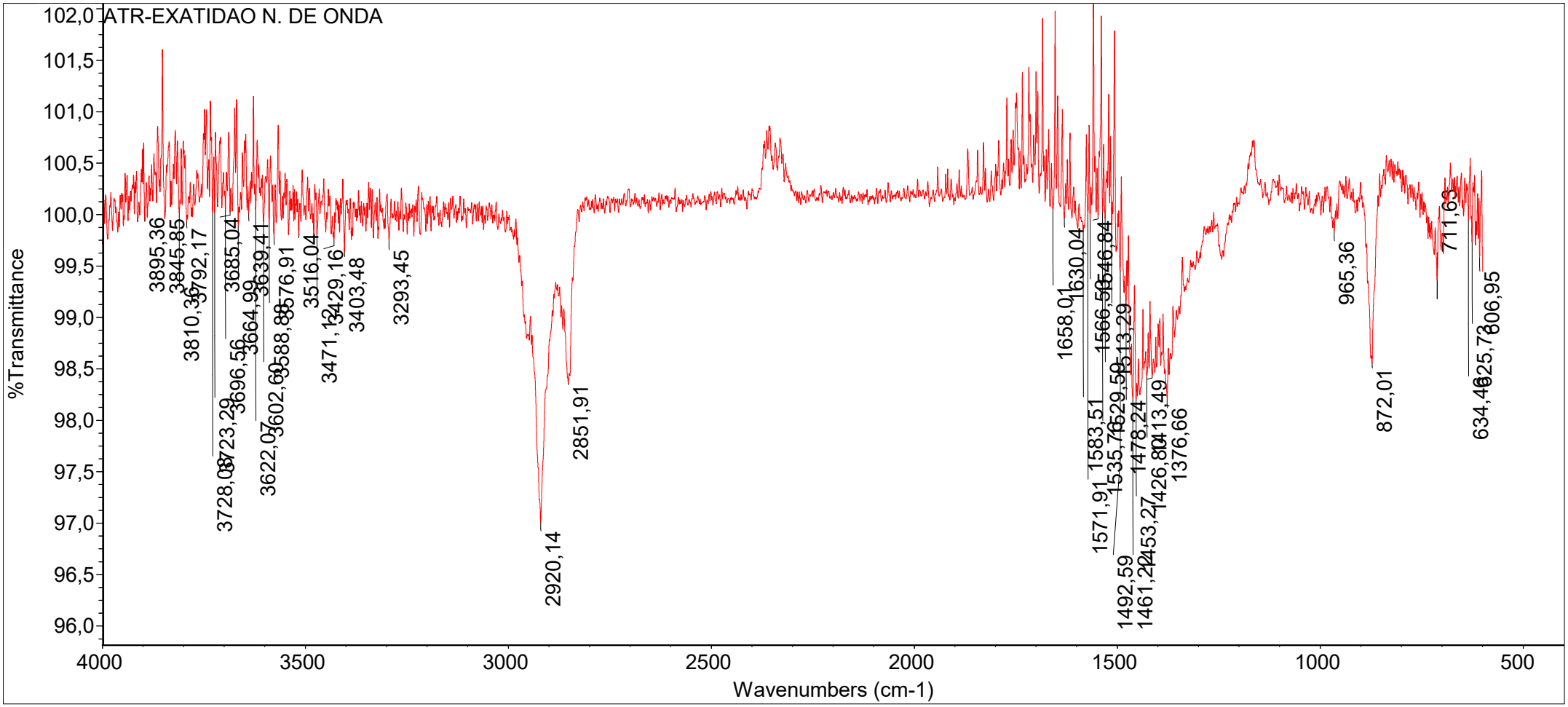
Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1583,51	Intensity:	99,835
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3664,99	Intensity:	99,894
Position:	3792,17	Intensity:	99,930



Thu Apr 24 11:02:14 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	ATR-EXATIDAO N. DE ONDA		
Region:	4000,12	400,16	
Absolute threshold:	99,945		
Sensitivity:	30		
Peak list:			
Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198
Position:	1413,49	Intensity:	98,434

Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1583,51	Intensity:	99,835
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3664,99	Intensity:	99,894
Position:	3792,17	Intensity:	99,930

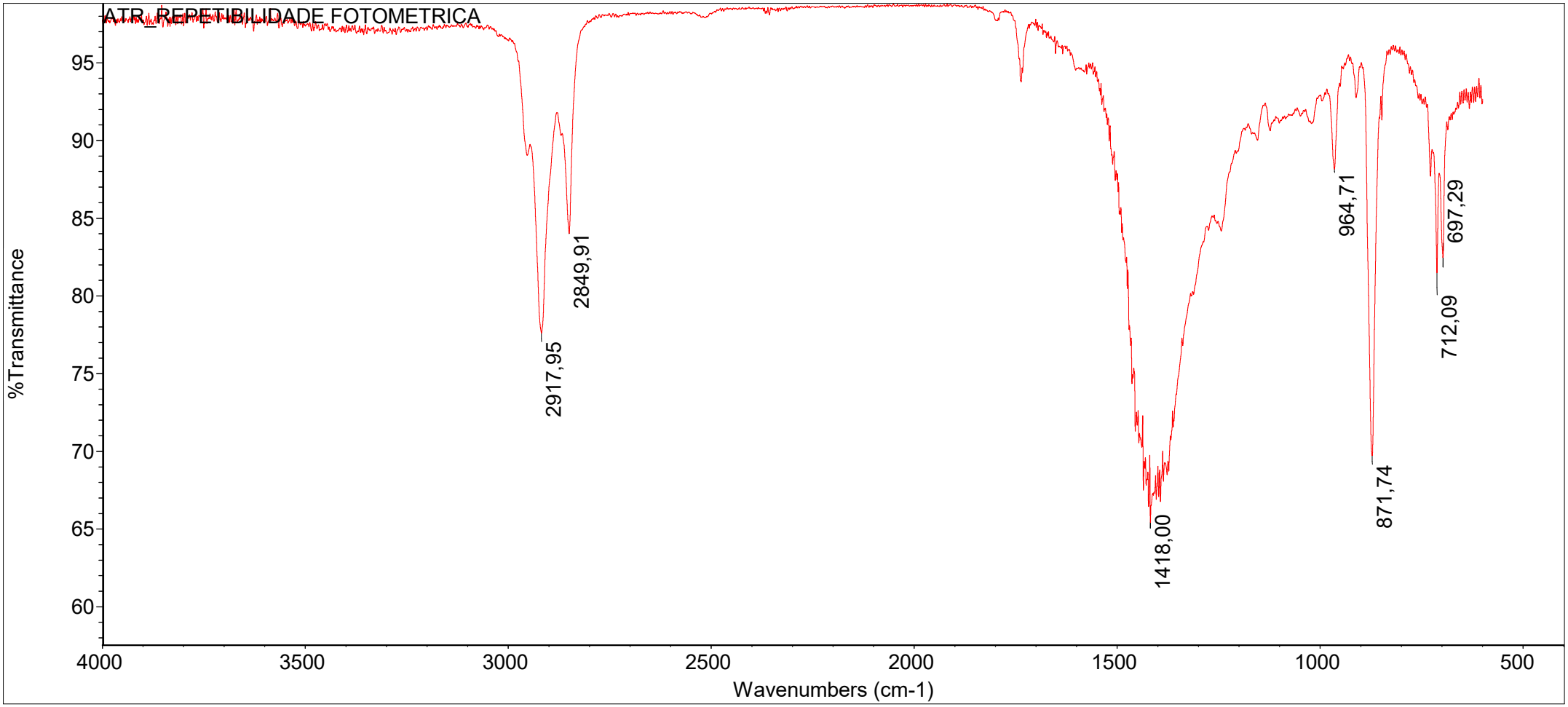


Thu Apr 24 11:06:31 2025 (GMT-03:00)
FIND PEAKS:

Spectrum: ATR-EXATIDAO N. DE ONDA
Region: 4000,12 400,16
Absolute threshold: 100,053
Sensitivity: 30
Peak list:

Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	634,46	Intensity:	99,946
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198

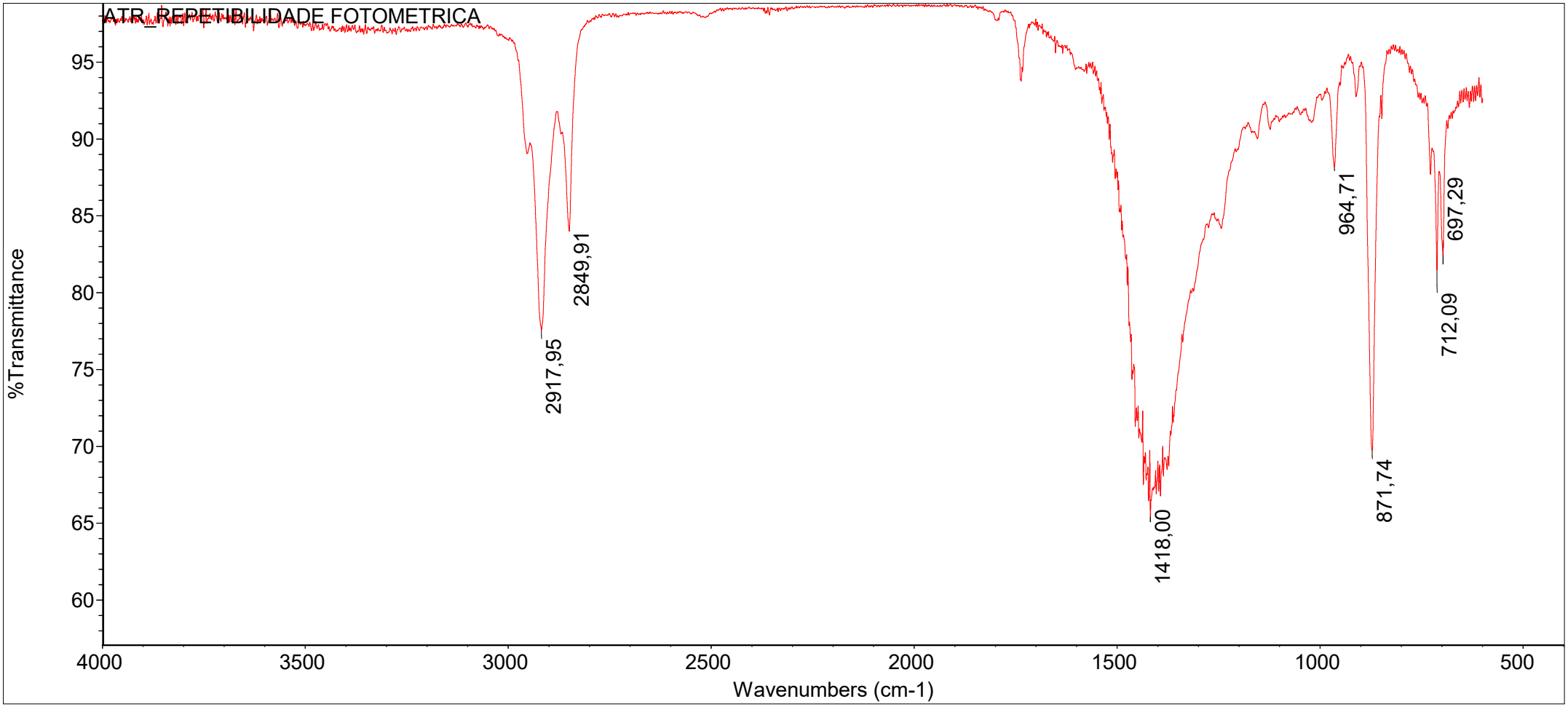
Position:	1413,49	Intensity:	98,434
Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1529,59	Intensity:	99,962
Position:	1535,76	Intensity:	100,027
Position:	1546,84	Intensity:	99,977
Position:	1566,53	Intensity:	99,954
Position:	1571,91	Intensity:	100,009
Position:	1583,51	Intensity:	99,835
Position:	1630,04	Intensity:	99,968
Position:	1658,01	Intensity:	100,042
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3622,07	Intensity:	100,040
Position:	3639,41	Intensity:	100,011
Position:	3664,99	Intensity:	99,894
Position:	3685,04	Intensity:	100,026
Position:	3696,56	Intensity:	100,051
Position:	3723,29	Intensity:	100,014
Position:	3728,08	Intensity:	100,019
Position:	3792,17	Intensity:	99,930
Position:	3810,36	Intensity:	100,018
Position:	3845,85	Intensity:	99,963
Position:	3895,36	Intensity:	99,947



Thu Apr 24 11:14:20 2025 (GMT-03:00)
FIND PEAKS:

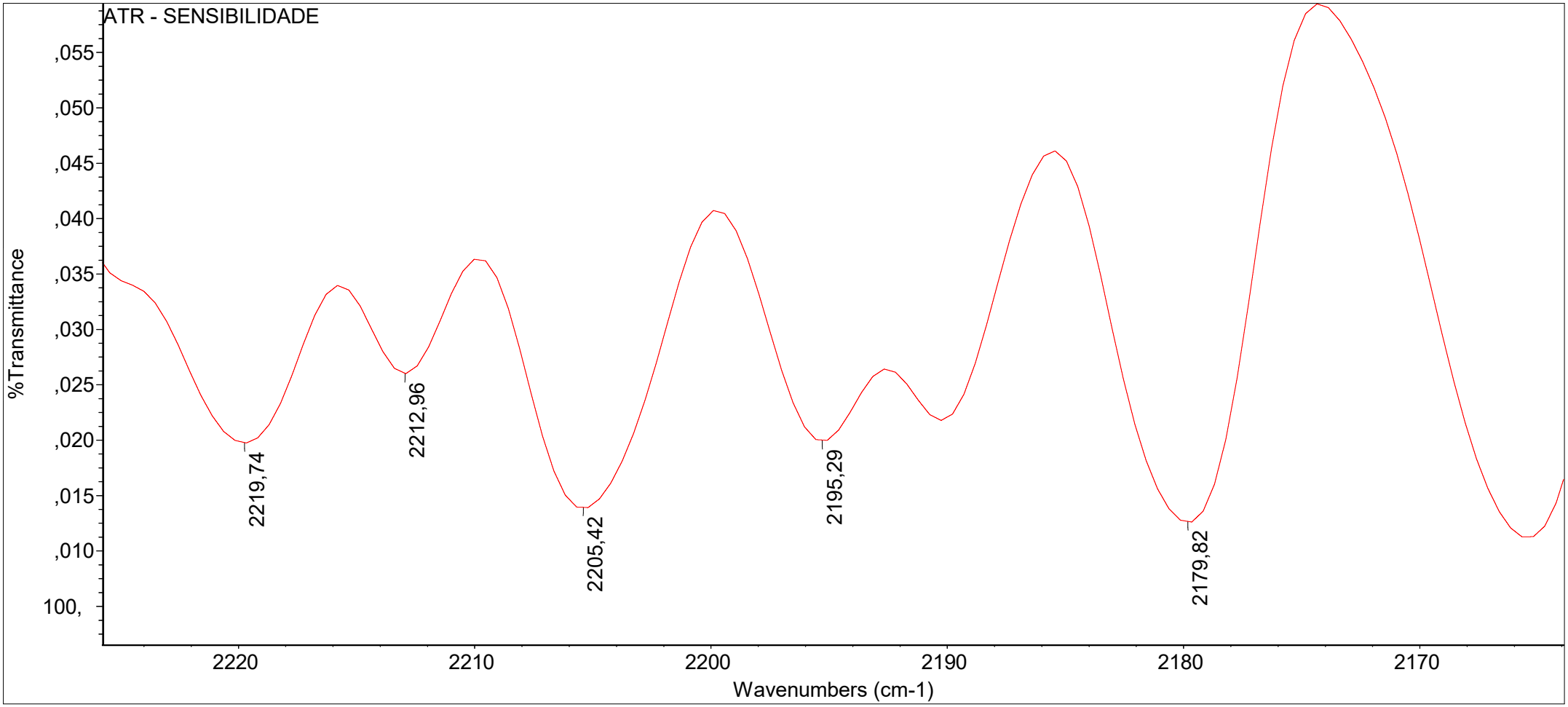
Spectrum: ATR_REPETIBILIDADE FOTOMETRICA
Region: 4000,00 400,00
Absolute threshold: 92,029
Sensitivity: 25
Peak list:

Position:	697,29	Intensity:	82,443
Position:	712,09	Intensity:	81,477
Position:	871,74	Intensity:	69,720
Position:	964,71	Intensity:	88,151
Position:	1418,00	Intensity:	65,377
Position:	2849,91	Intensity:	84,005
Position:	2917,95	Intensity:	77,589



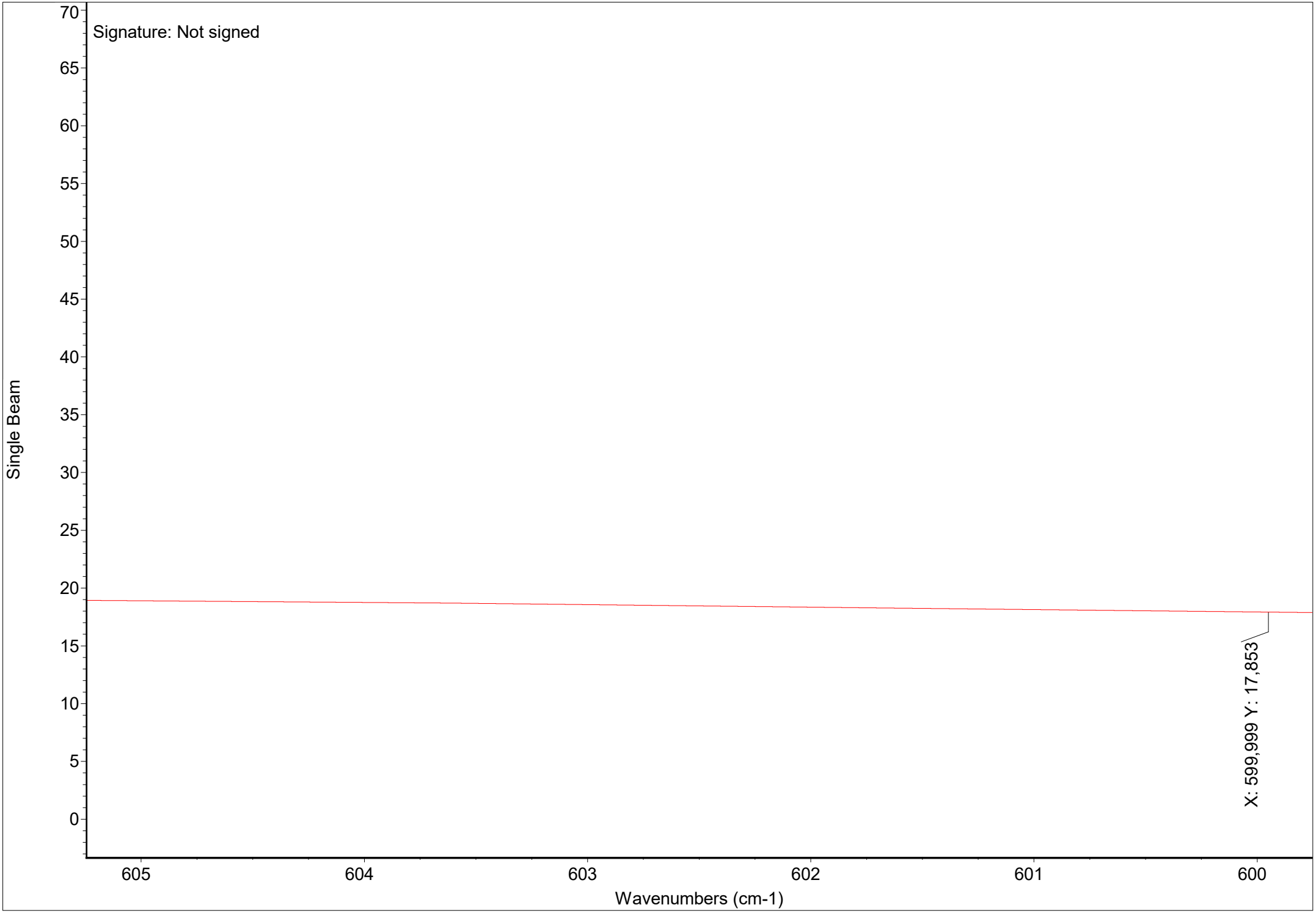
Thu Apr 24 11:17:37 2025 (GMT-03:00)
FIND PEAKS:

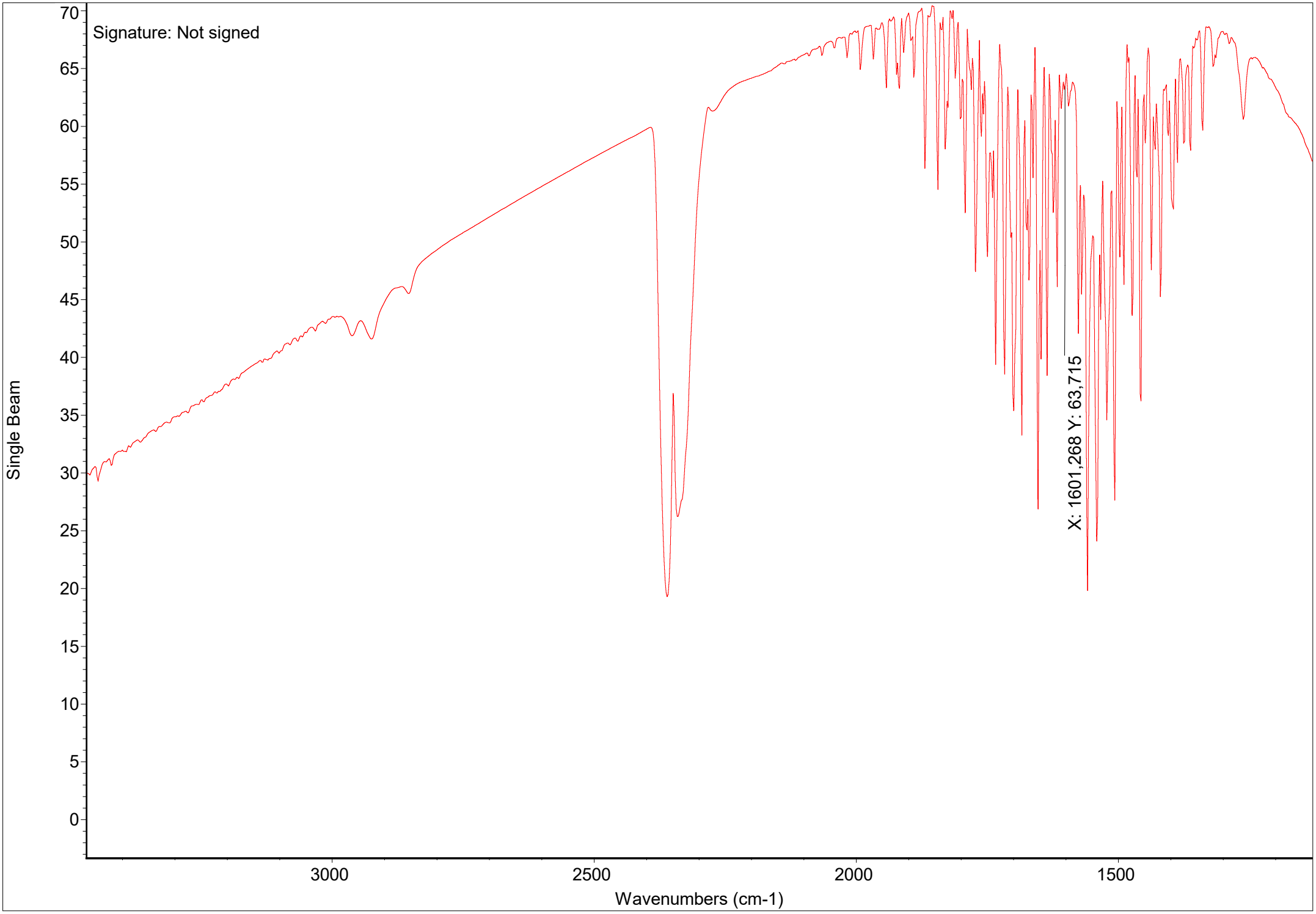
Spectrum:	ATR_REPETIBILIDADE FOTOMETRICA		
Region:	4000,00	400,00	
Absolute threshold:	92,029		
Sensitivity:	25		
Peak list:			
Position:	697,29	Intensity:	82,443
Position:	712,09	Intensity:	81,477
Position:	871,74	Intensity:	69,720
Position:	964,71	Intensity:	88,151
Position:	1418,00	Intensity:	65,377
Position:	2849,91	Intensity:	84,005
Position:	2917,95	Intensity:	77,589

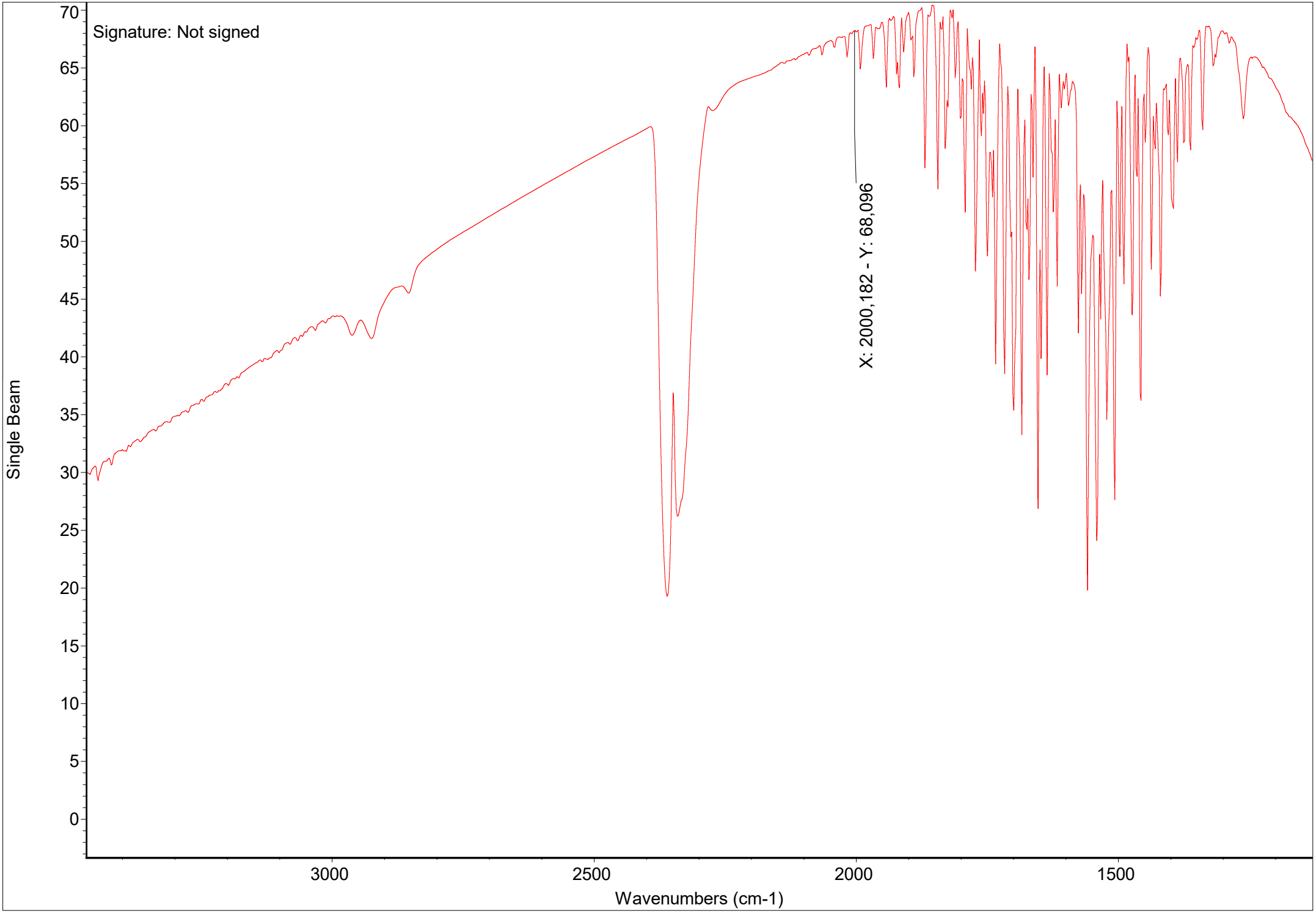


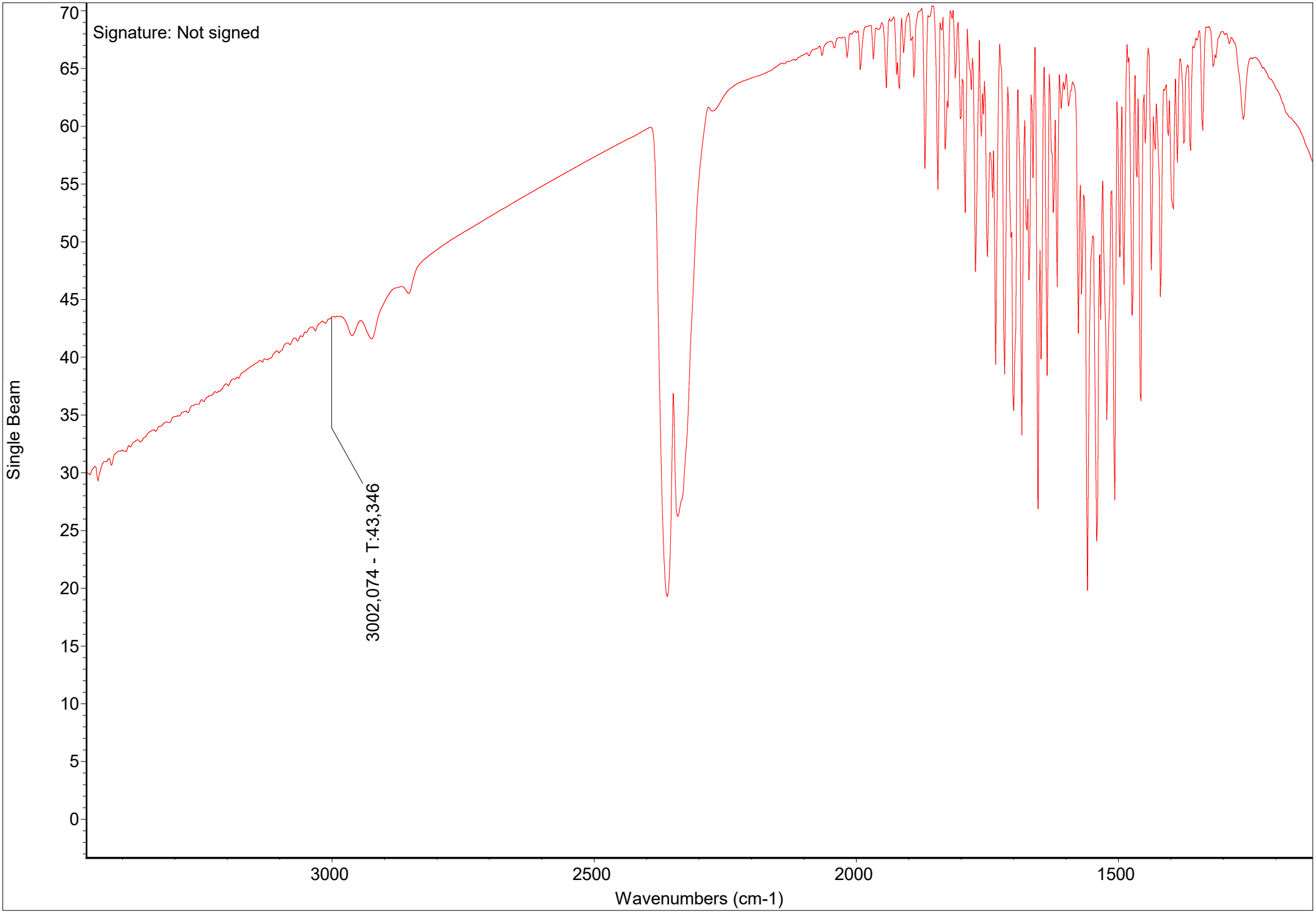
Thu Apr 24 11:55:40 2025 (GMT-03:00)
FIND PEAKS:

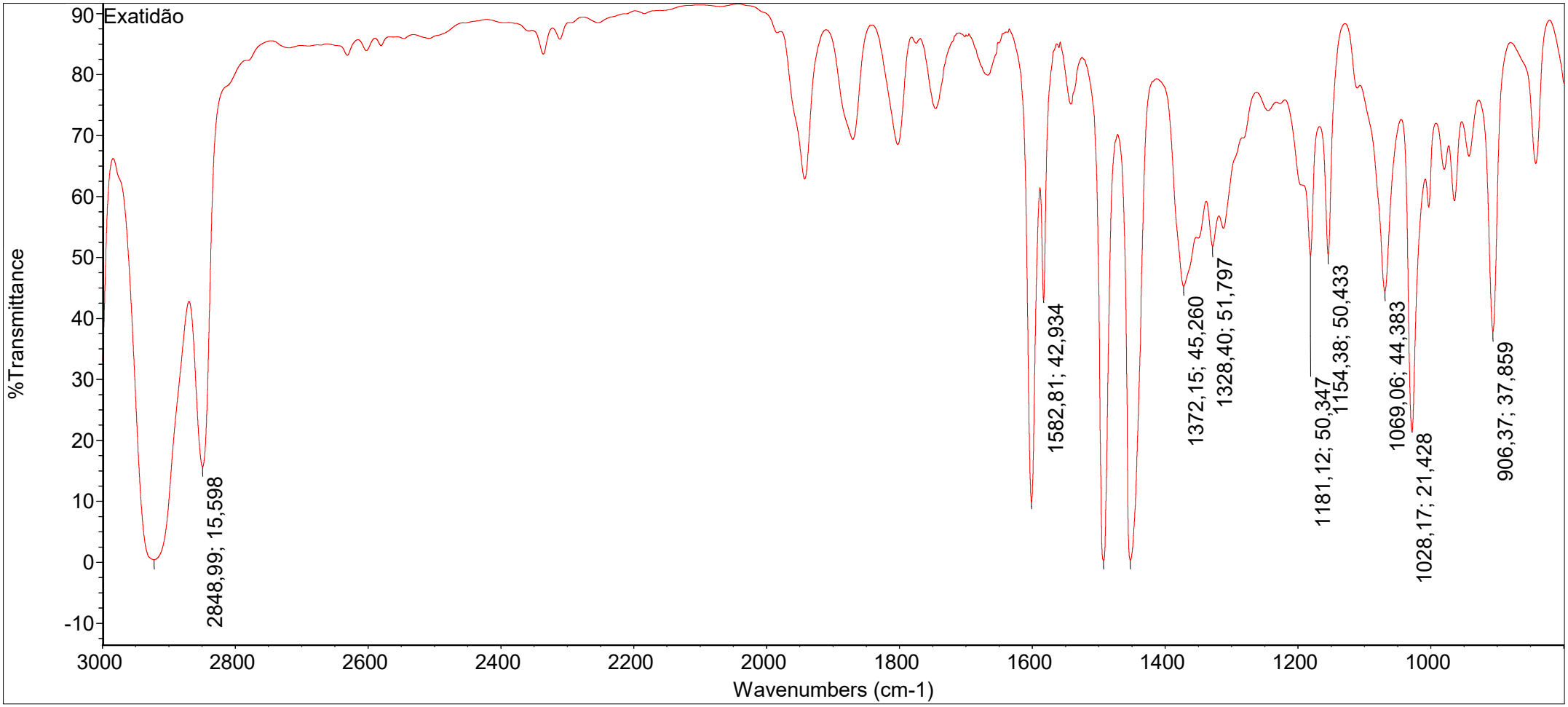
Spectrum:	ATR - SENSIBILIDADE		
Region:	2225,76	2163,91	
Absolute threshold:	100,0270		
Sensitivity:	25		
Peak list:			
	Position:	2179,82	Intensity: 100,013
	Position:	2195,29	Intensity: 100,020
	Position:	2205,42	Intensity: 100,014
	Position:	2212,96	Intensity: 100,026
	Position:	2219,74	Intensity: 100,020


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
605
604
603
602
601
600
Wavenumbers (cm-1)
X: 599,999 Y: 17,853


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3000
2500
2000
1500
Wavenumbers (cm-1)
X: 1601,268 Y: 63,715


Signature: Not signed
X: 2000,182 - Y: 68,096
Single Beam
Wavenumbers (cm-1)
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3000
2500
2000
1500


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3002,074 - T:43,346
3000
2500
2000
1500
Wavenumbers (cm-1)



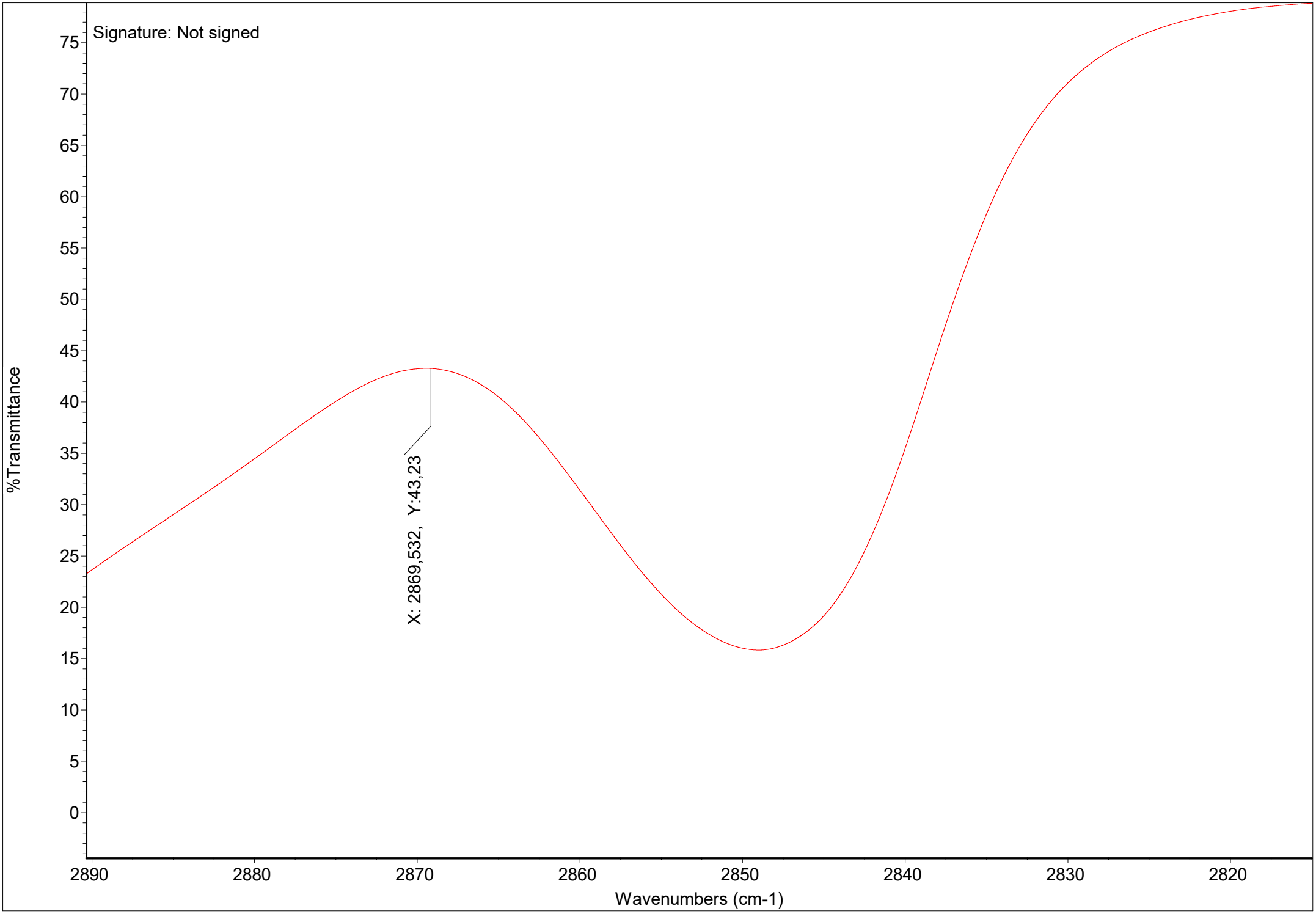
Wed Apr 23 12:06:46 2025 (GMT-03:00)
FIND PEAKS:

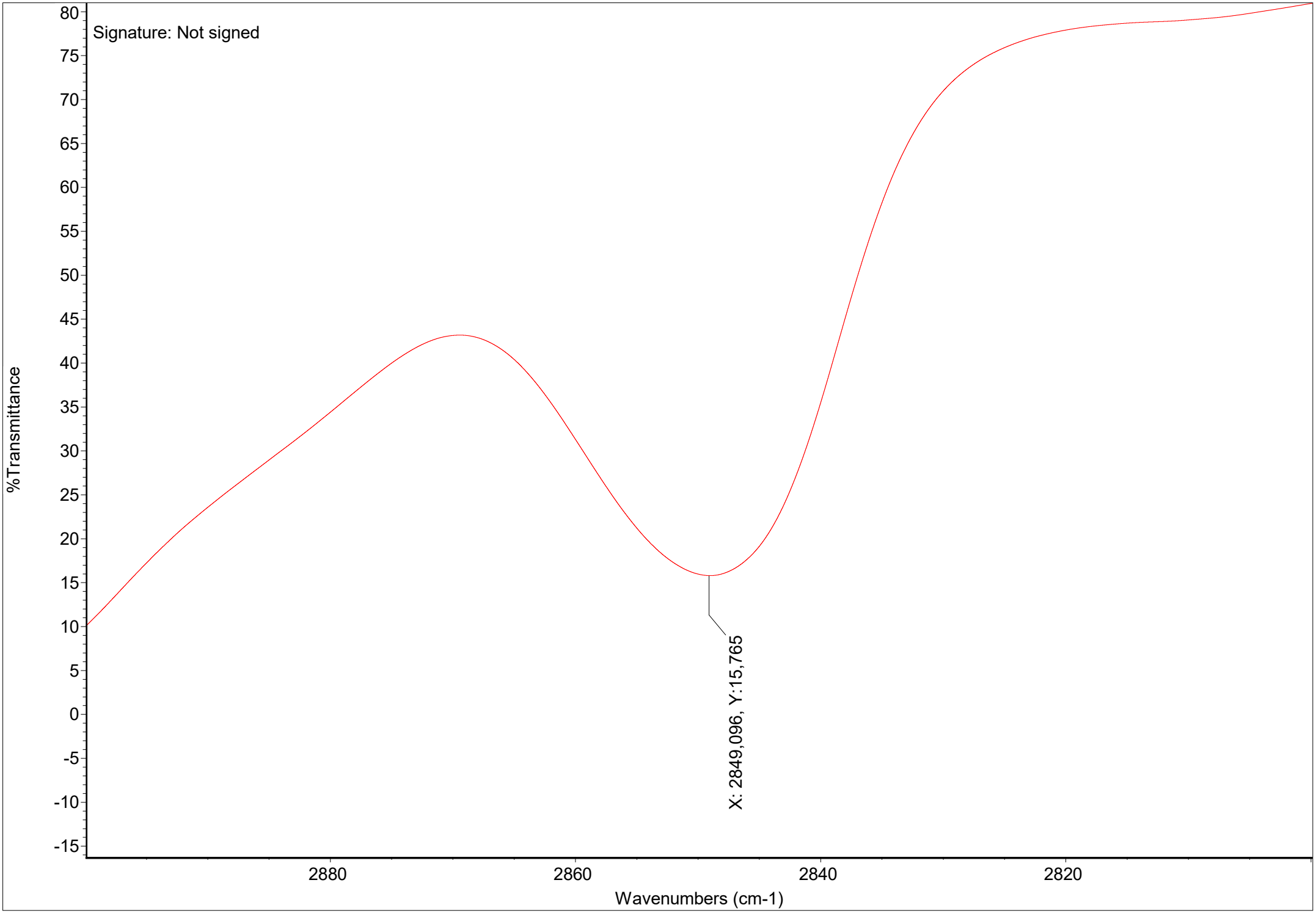
Spectrum:	Exatidão	
Region:	3000,00	800,00
Absolute threshold:	52,748	
Sensitivity:	90	

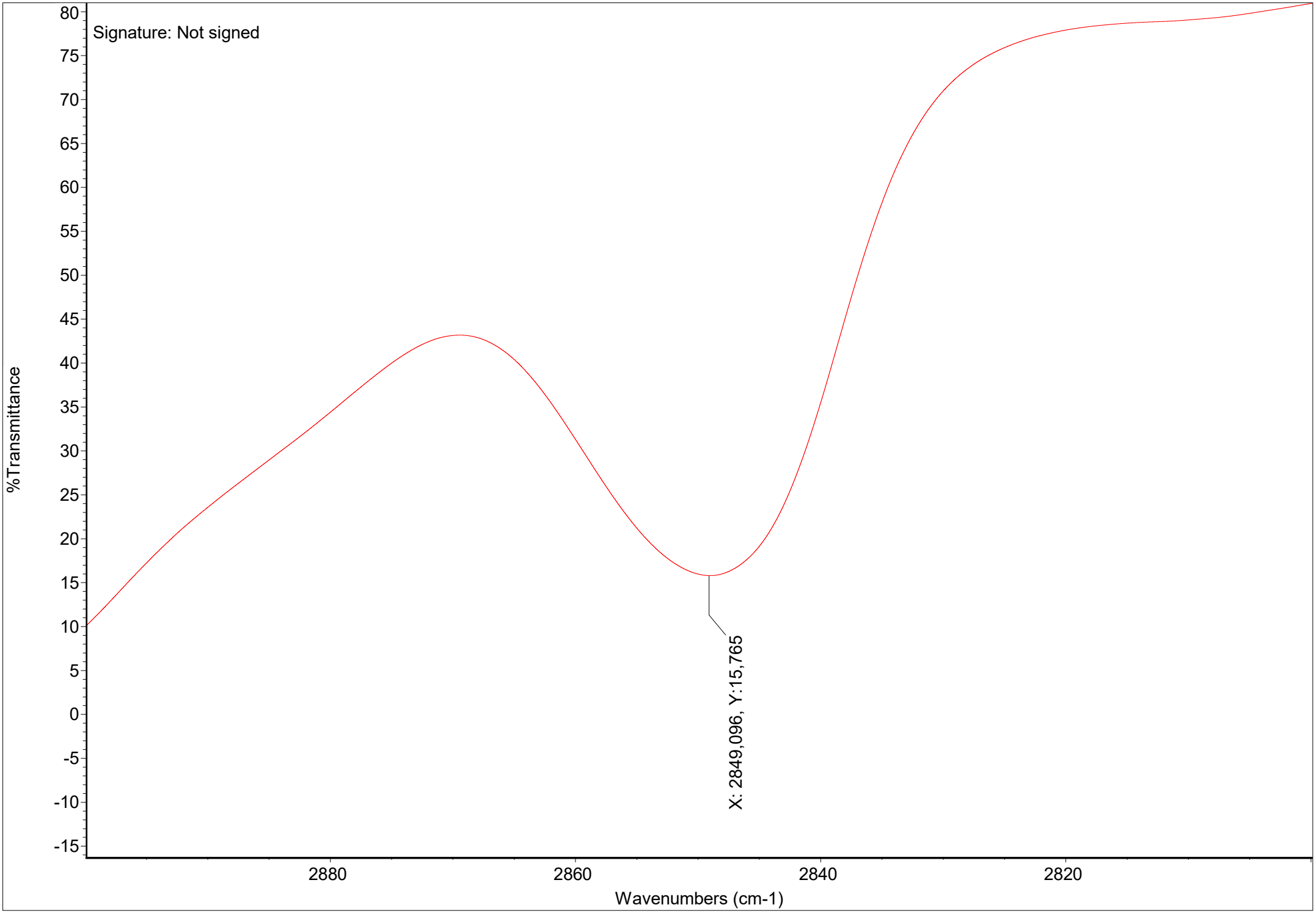
Peak list:

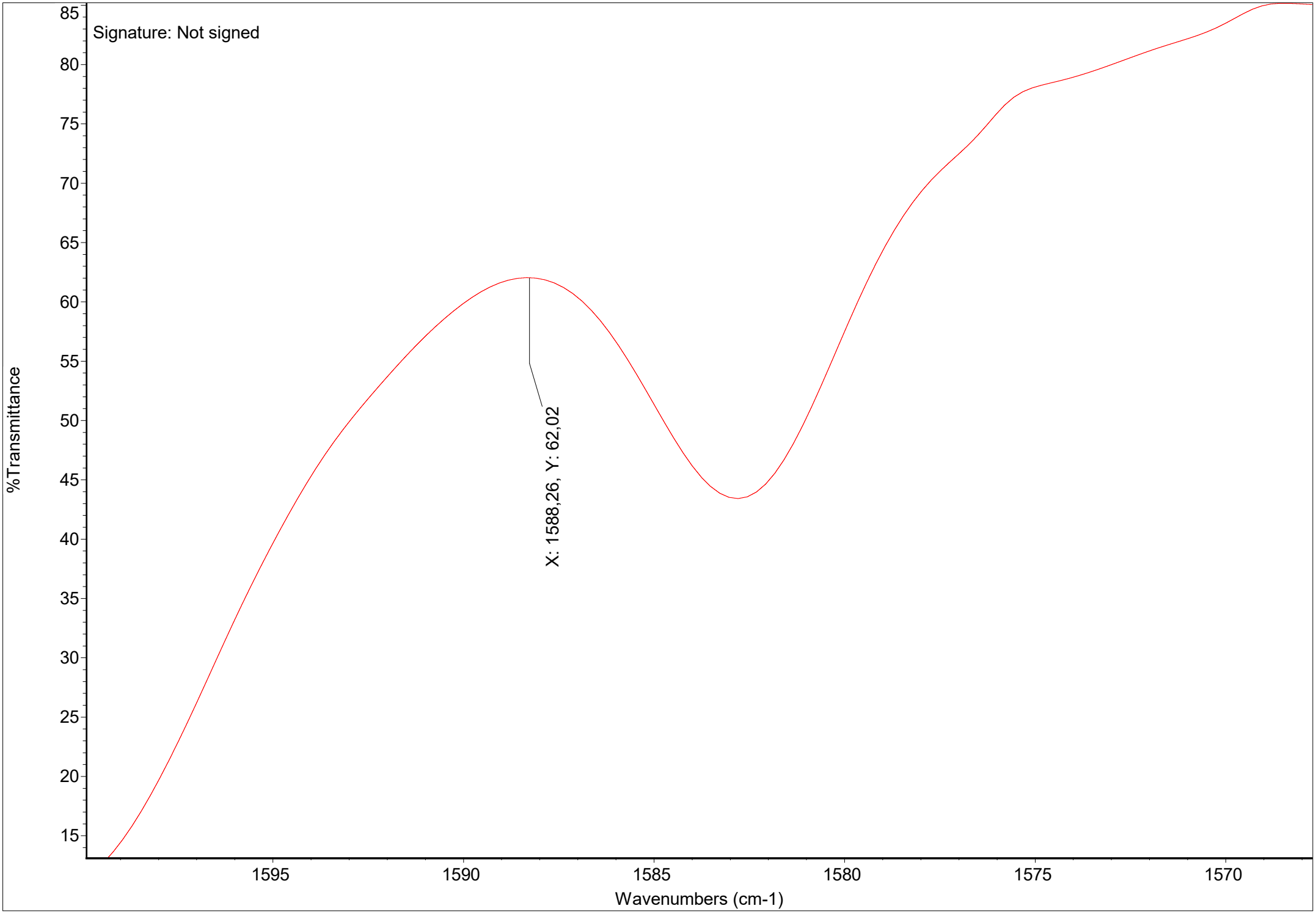
Position:	906,37	Intensity:	37,859
Position:	1028,17	Intensity:	21,425
Position:	1069,06	Intensity:	44,383
Position:	1154,38	Intensity:	50,431
Position:	1181,12	Intensity:	50,344
Position:	1328,40	Intensity:	51,796
Position:	1372,15	Intensity:	45,260

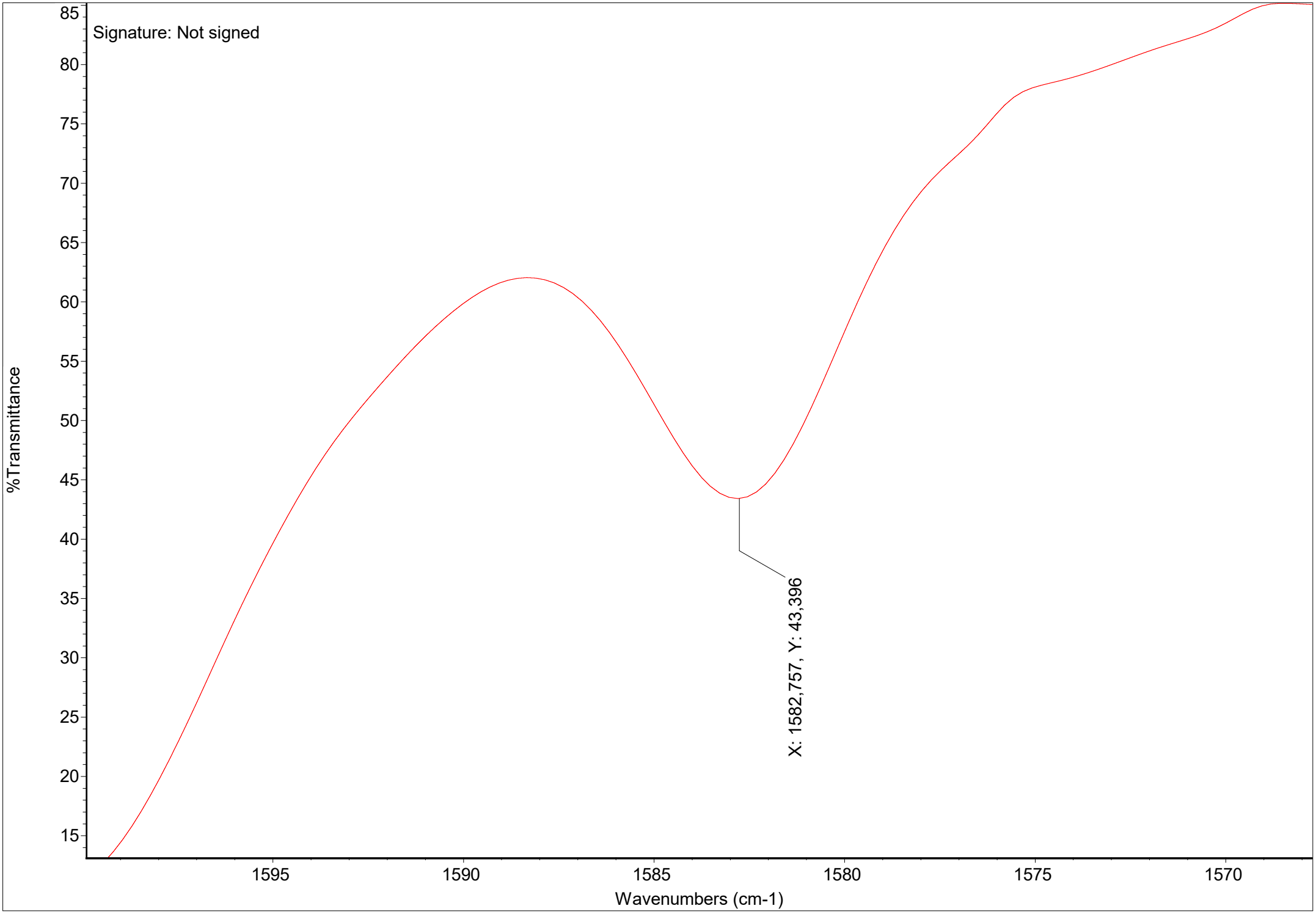
Position:	1452,27	Intensity:	0,297
Position:	1492,71	Intensity:	0,297
Position:	1582,81	Intensity:	42,934
Position:	1601,06	Intensity:	9,831
Position:	2848,99	Intensity:	15,597
Position:	2922,02	Intensity:	0,394

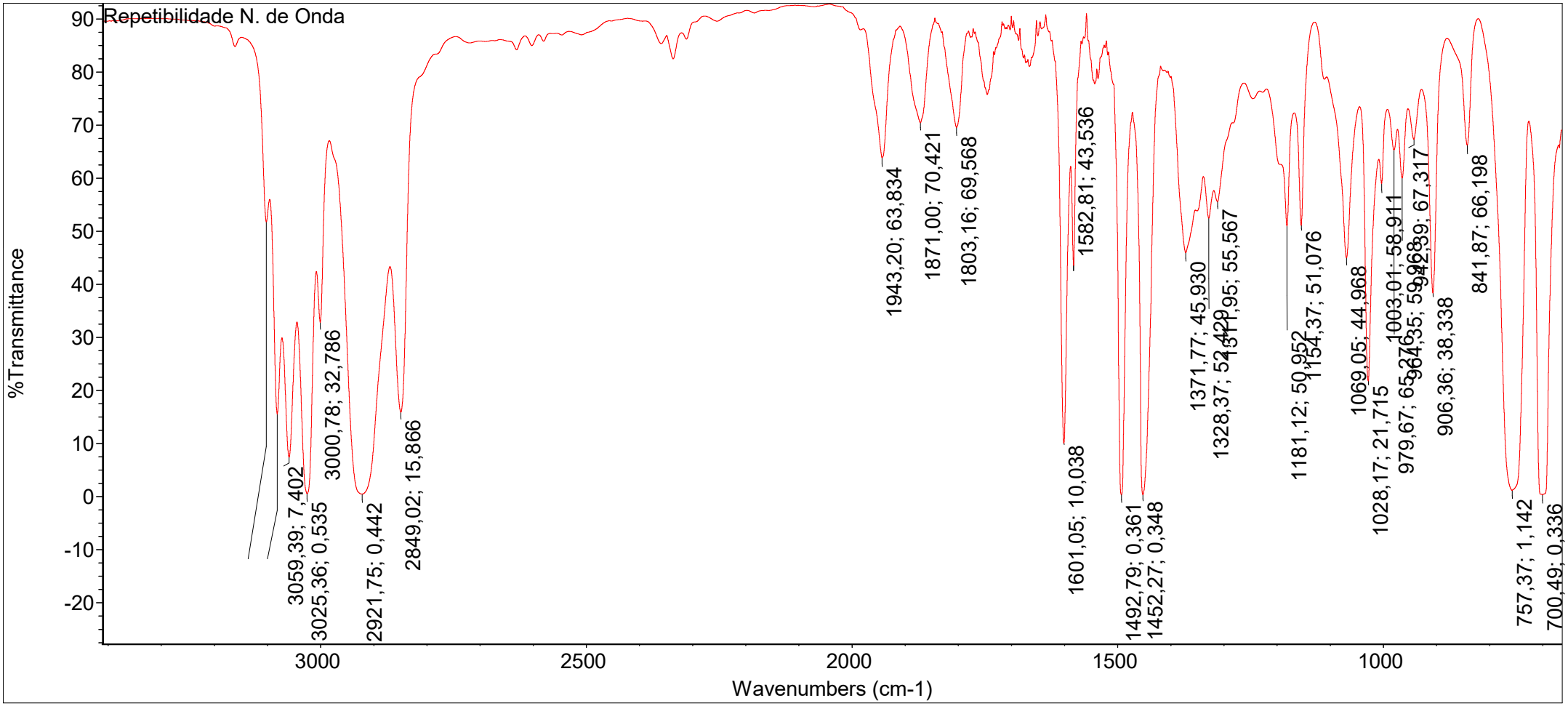

Signature: Not signed
%Transmittance
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
X: 2869,532, Y:43,23
2890
2880
2870
2860
2850
2840
2830
2820
Wavenumbers (cm-1)


Signature: Not signed
%Transmittance
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
2880
2860
2840
2820
Wavenumbers (cm-1)
X: 2849,096, Y:15,765


Signature: Not signed
%Transmittance
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
2880
2860
2840
2820
Wavenumbers (cm-1)
X: 2849,096, Y:15,765


Signature: Not signed
%Transmittance
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
X: 1588,26, Y: 62,02
1595
1590
1585
1580
1575
1570
Wavenumbers (cm-1)


Signature: Not signed
%Transmittance
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
1595
1590
1585
1580
1575
1570
Wavenumbers (cm-1)
X: 1582,757, Y: 43,396

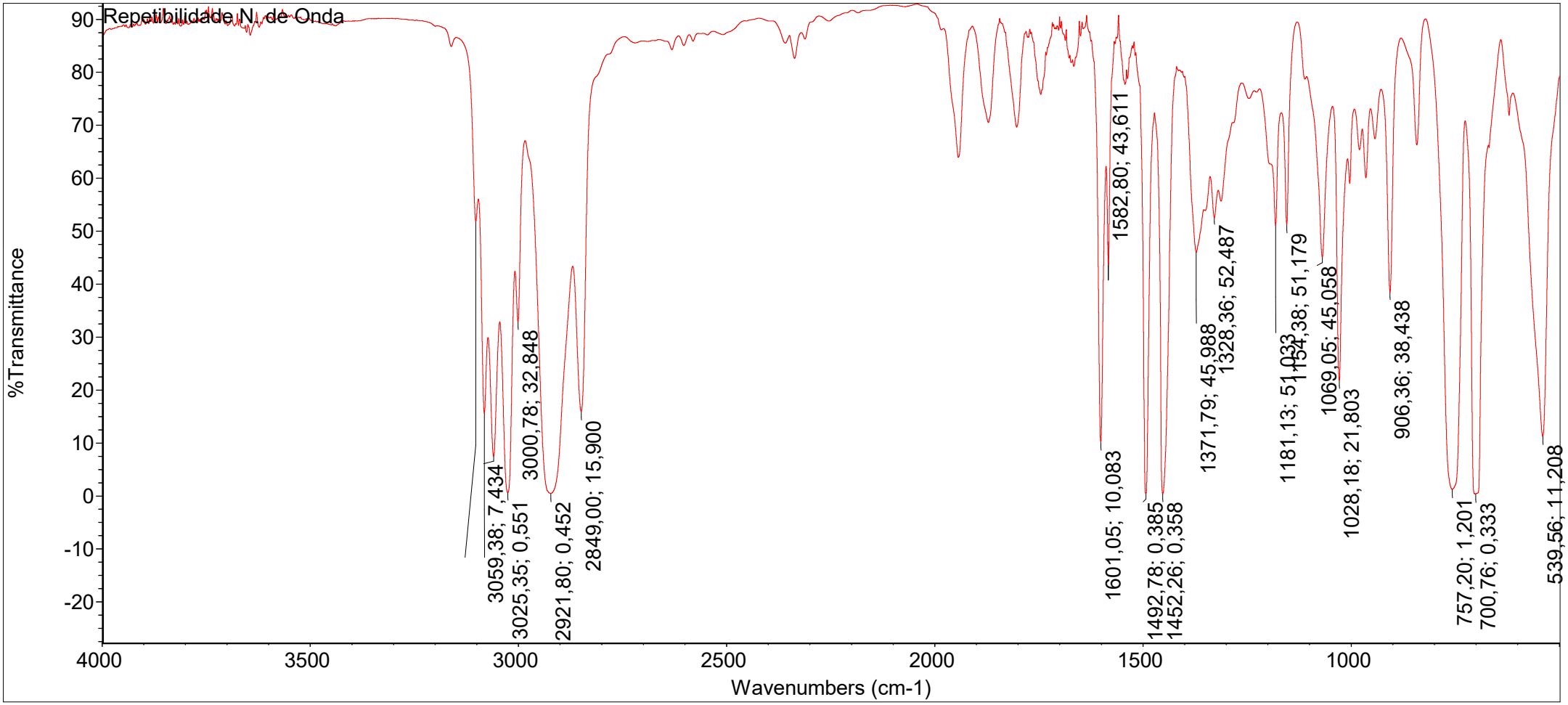


Wed Apr 23 14:30:48 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	Repetibilidade N. de Onda		
Region:	3411,19	664,74	
Absolute threshold:	72,025		
Sensitivity:	85		
Peak list:			

Position:	700,49	Intensity:	0,336
Position:	757,37	Intensity:	1,142
Position:	841,87	Intensity:	66,196
Position:	906,36	Intensity:	38,338
Position:	942,39	Intensity:	67,315
Position:	964,35	Intensity:	59,963
Position:	979,67	Intensity:	65,276

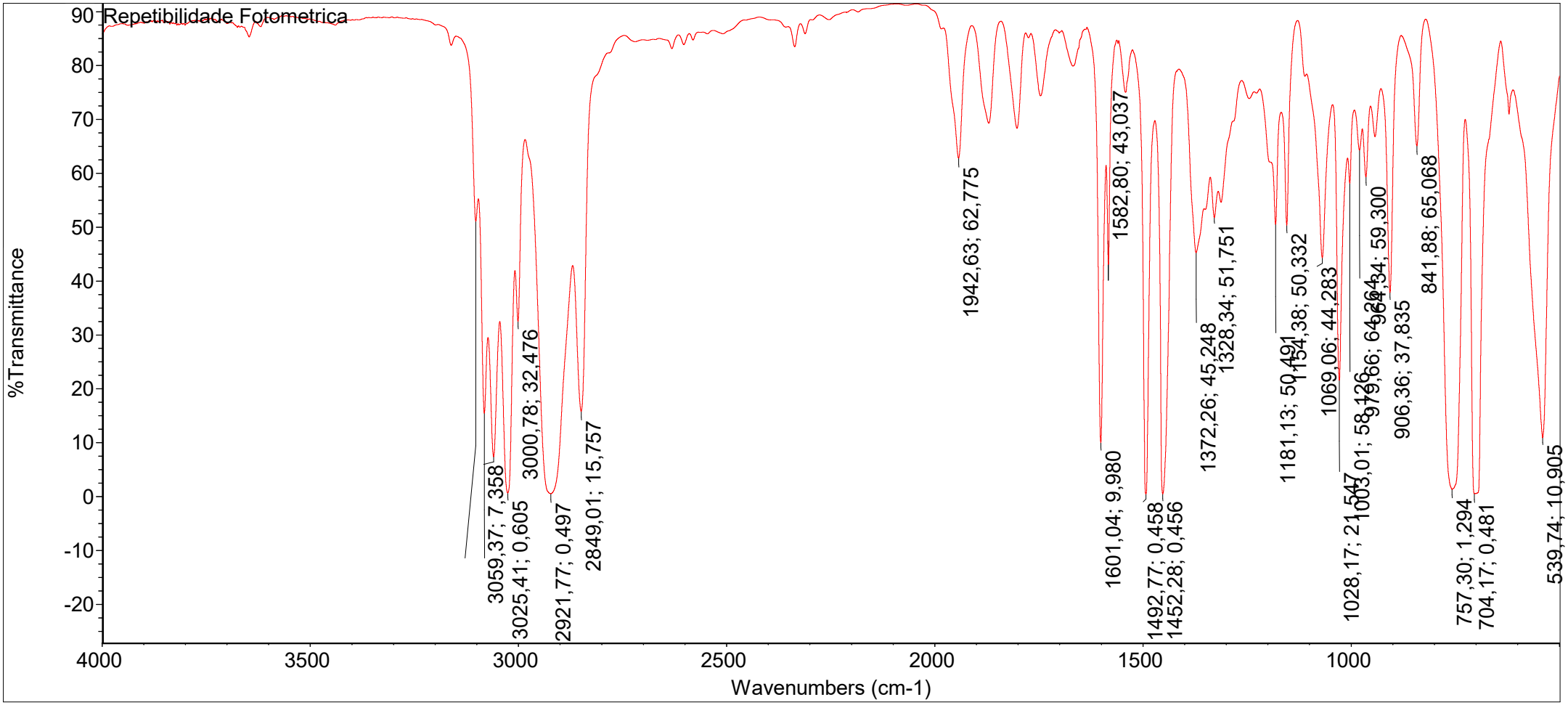
Position:	1003,01	Intensity:	58,911
Position:	1028,17	Intensity:	21,712
Position:	1069,05	Intensity:	44,968
Position:	1154,37	Intensity:	51,073
Position:	1181,12	Intensity:	50,950
Position:	1311,95	Intensity:	55,565
Position:	1328,37	Intensity:	52,427
Position:	1371,77	Intensity:	45,928
Position:	1452,27	Intensity:	0,344
Position:	1492,79	Intensity:	0,360
Position:	1582,81	Intensity:	43,535
Position:	1601,05	Intensity:	10,035
Position:	1803,16	Intensity:	69,567
Position:	1871,00	Intensity:	70,420
Position:	1943,20	Intensity:	63,833
Position:	2849,02	Intensity:	15,866
Position:	2921,75	Intensity:	0,442
Position:	3000,78	Intensity:	32,782
Position:	3025,36	Intensity:	0,535
Position:	3059,39	Intensity:	7,398
Position:	3081,68	Intensity:	15,562
Position:	3102,18	Intensity:	51,738



Wed Apr 23 14:37:15 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	Repetibilidade N. de Onda			
Region:	4000,00	500,00		
Absolute threshold:	57,423			
Sensitivity:	50			
Peak list:				
	Position:	539,56	Intensity:	11,207
	Position:	700,76	Intensity:	0,333
	Position:	757,20	Intensity:	1,201
	Position:	906,36	Intensity:	38,438
	Position:	1028,18	Intensity:	21,799
	Position:	1069,05	Intensity:	45,057
	Position:	1154,38	Intensity:	51,177

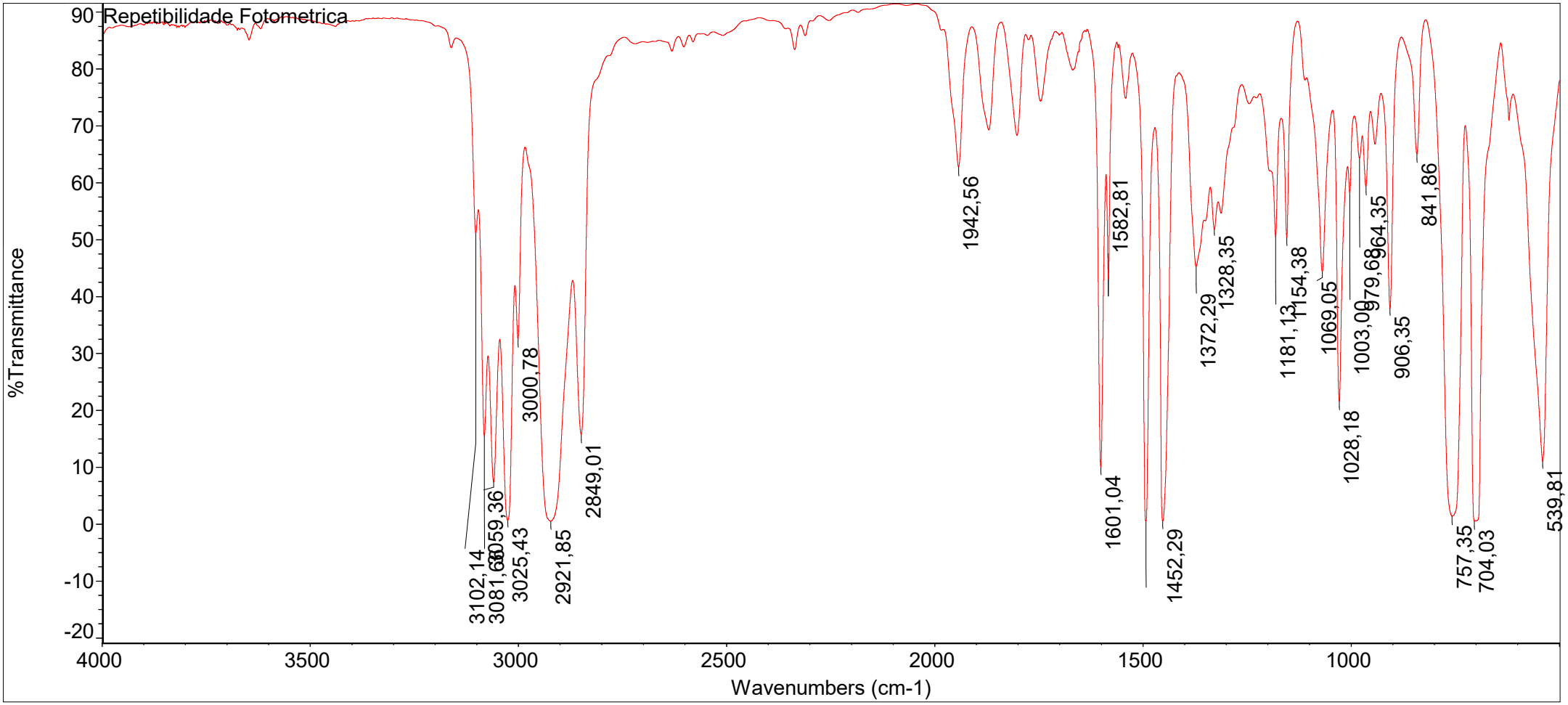
Position:	1181,13	Intensity:	51,031
Position:	1328,36	Intensity:	52,484
Position:	1371,79	Intensity:	45,987
Position:	1452,26	Intensity:	0,354
Position:	1492,78	Intensity:	0,385
Position:	1582,80	Intensity:	43,611
Position:	1601,05	Intensity:	10,080
Position:	2849,00	Intensity:	15,899
Position:	2921,80	Intensity:	0,451
Position:	3000,78	Intensity:	32,844
Position:	3025,35	Intensity:	0,551
Position:	3059,38	Intensity:	7,431
Position:	3081,66	Intensity:	15,602
Position:	3102,15	Intensity:	51,786



Wed Apr 23 14:43:20 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	Repetibilidade Fotometrica			
Region:	4000,00	500,00		
Absolute threshold:	65,527			
Sensitivity:	50			
Peak list:				
	Position:	539,74	Intensity:	10,905
	Position:	704,17	Intensity:	0,481
	Position:	757,30	Intensity:	1,294
	Position:	841,88	Intensity:	65,065
	Position:	906,36	Intensity:	37,835
	Position:	964,34	Intensity:	59,296
	Position:	979,66	Intensity:	64,264

Position:	1003,01	Intensity:	58,125
Position:	1028,17	Intensity:	21,544
Position:	1069,06	Intensity:	44,283
Position:	1154,38	Intensity:	50,330
Position:	1181,13	Intensity:	50,489
Position:	1328,34	Intensity:	51,748
Position:	1372,26	Intensity:	45,247
Position:	1452,28	Intensity:	0,453
Position:	1492,77	Intensity:	0,457
Position:	1582,80	Intensity:	43,037
Position:	1601,04	Intensity:	9,976
Position:	1942,63	Intensity:	62,774
Position:	2849,01	Intensity:	15,756
Position:	2921,77	Intensity:	0,497
Position:	3000,78	Intensity:	32,472
Position:	3025,41	Intensity:	0,604
Position:	3059,37	Intensity:	7,355
Position:	3081,66	Intensity:	15,422
Position:	3102,15	Intensity:	51,059

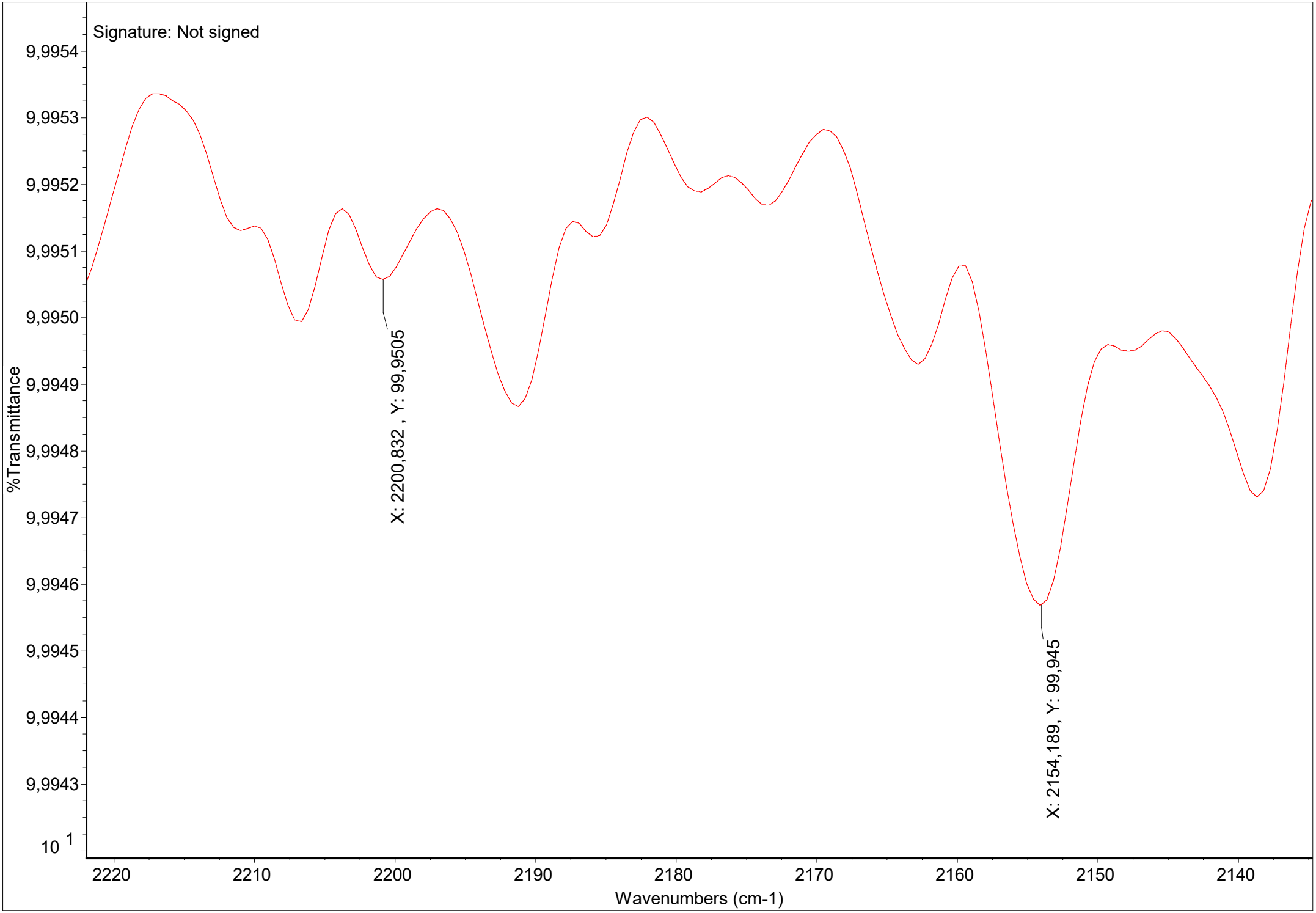


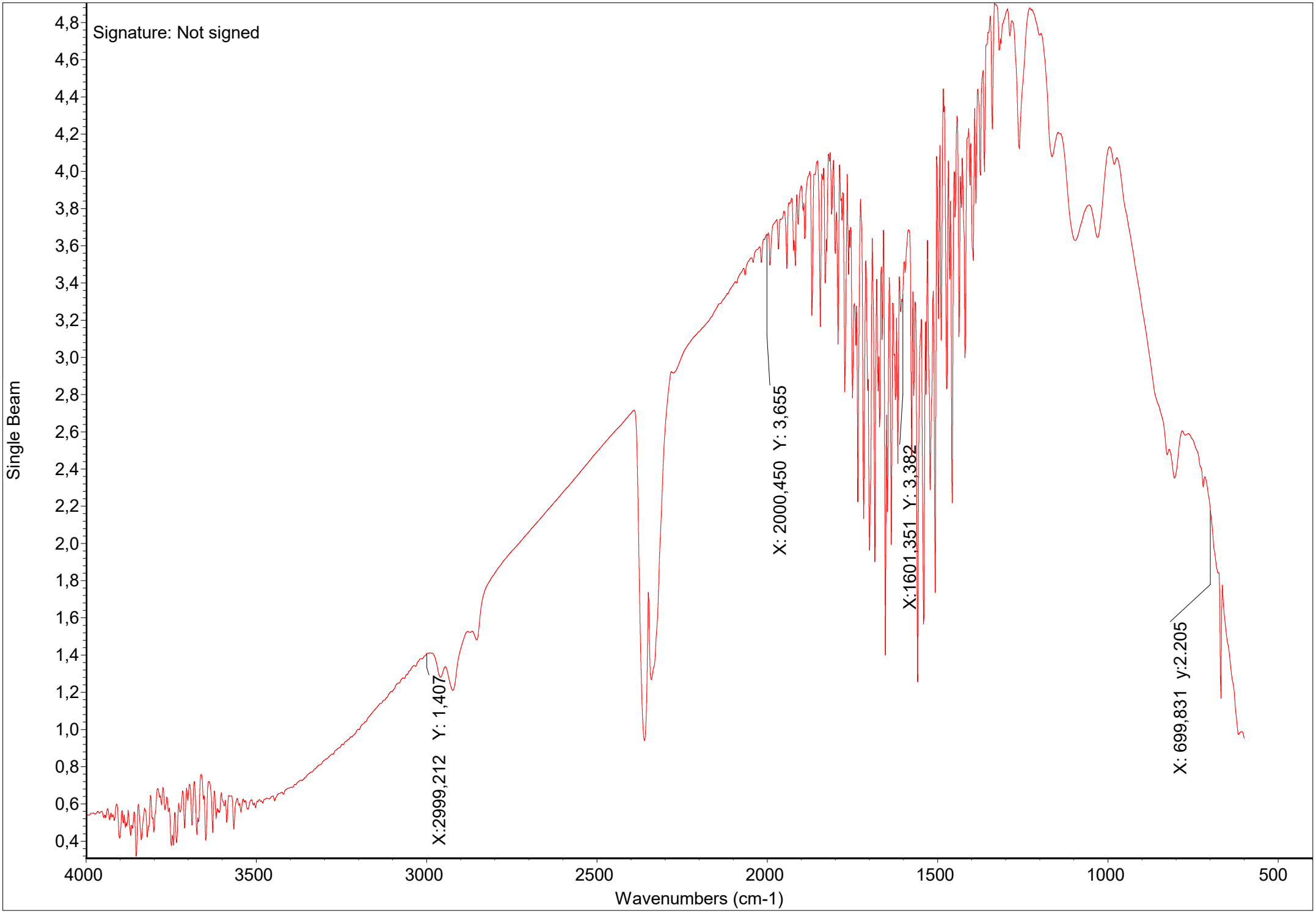
Wed Apr 23 14:49:01 2025 (GMT-03:00)
FIND PEAKS:

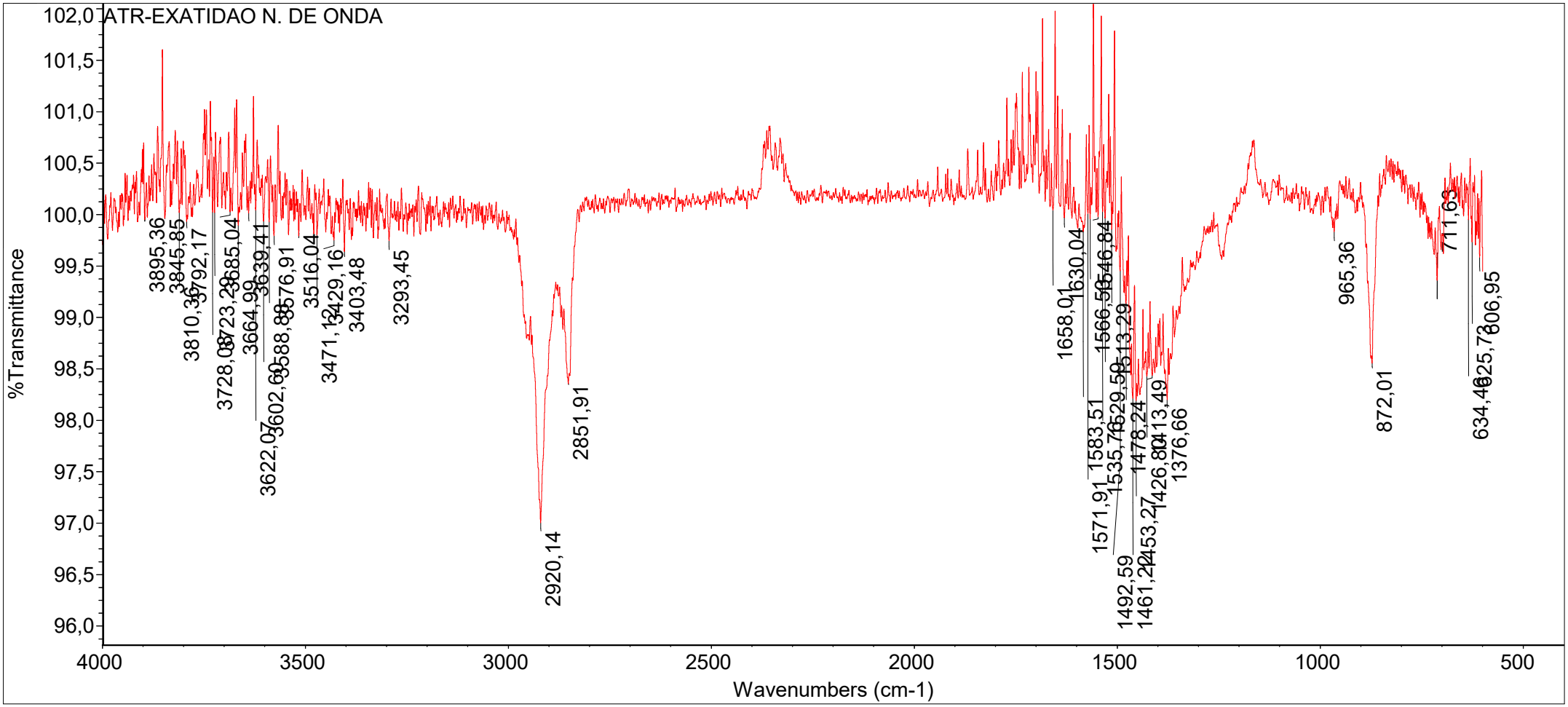
Spectrum:	Repetibilidade Fotometrica		
Region:	4000,00	500,00	
Absolute threshold:	66,069		
Sensitivity:	50		
Peak list:			

Position:	539,81	Intensity:	10,984
Position:	704,03	Intensity:	0,521
Position:	757,35	Intensity:	1,336
Position:	841,86	Intensity:	65,111
Position:	906,35	Intensity:	37,869
Position:	964,35	Intensity:	59,335
Position:	979,68	Intensity:	64,301

Position:	1003,00	Intensity:	58,156
Position:	1028,18	Intensity:	21,557
Position:	1069,05	Intensity:	44,313
Position:	1154,38	Intensity:	50,333
Position:	1181,13	Intensity:	50,498
Position:	1328,35	Intensity:	51,776
Position:	1372,29	Intensity:	45,255
Position:	1452,29	Intensity:	0,438
Position:	1492,78	Intensity:	0,457
Position:	1582,81	Intensity:	43,043
Position:	1601,04	Intensity:	9,982
Position:	1942,56	Intensity:	62,749
Position:	2849,01	Intensity:	15,751
Position:	2921,85	Intensity:	0,510
Position:	3000,78	Intensity:	32,476
Position:	3025,43	Intensity:	0,611
Position:	3059,36	Intensity:	7,368
Position:	3081,66	Intensity:	15,439
Position:	3102,14	Intensity:	51,083


Signature: Not signed
9,9954
9,9953
9,9952
9,9951
9,9950
9,9949
9,9948
9,9947
9,9946
9,9945
9,9944
9,9943
10 1
%Transmittance
X: 2200,832 , Y: 99,9505
X: 2154,189, Y: 99,945
2220
2210
2200
2190
2180
2170
2160
2150
2140
Wavenumbers (cm-1)


Signature: Not signed
Single Beam
4,8
4,6
4,4
4,2
4,0
3,8
3,6
3,4
3,2
3,0
2,8
2,6
2,4
2,2
2,0
1,8
1,6
1,4
1,2
1,0
0,8
0,6
0,4
X:2999,212 Y: 1,407
X: 2000,450 Y: 3,655
X:1601,351 Y: 3,382
X: 699,831 y:2.205
4000
3500
3000
2500
2000
1500
1000
500
Wavenumbers (cm-1)

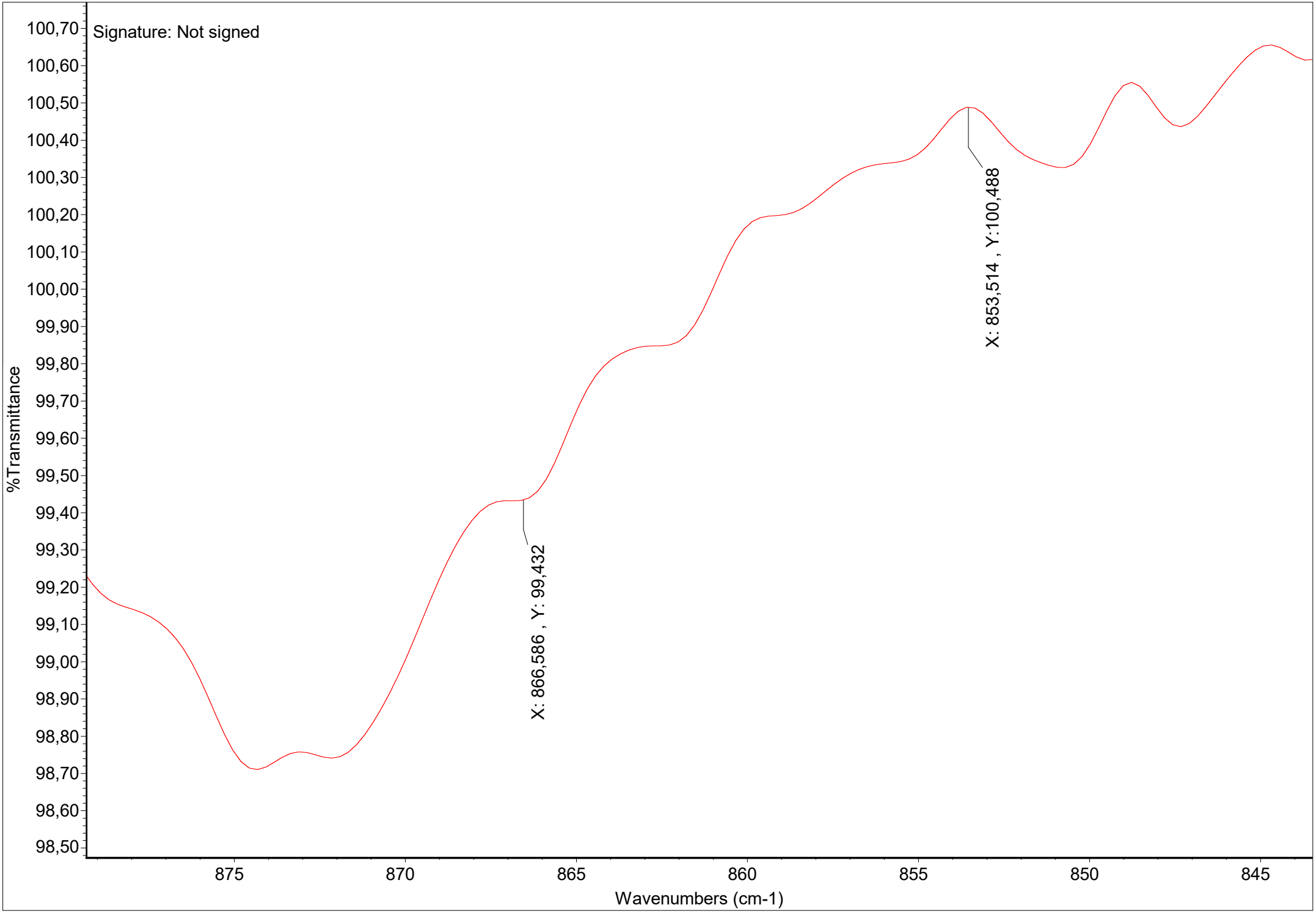


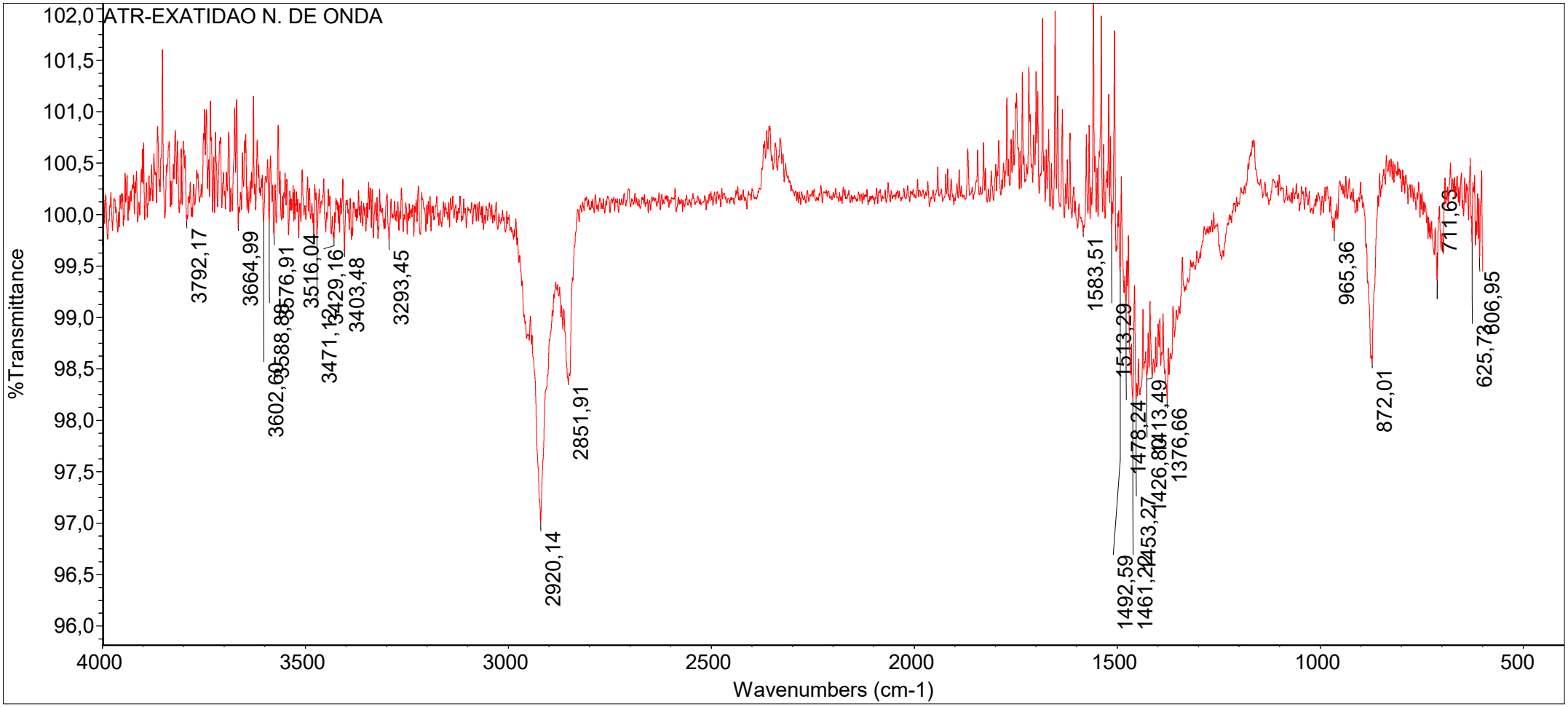
Thu Apr 24 10:23:49 2025 (GMT-03:00)
FIND PEAKS:

Spectrum: ATR-EXATIDAO N. DE ONDA
Region: 4000,12 400,16
Absolute threshold: 100,045
Sensitivity: 30
Peak list:

Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	634,46	Intensity:	99,946
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198

Position:	1413,49	Intensity:	98,434
Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1529,59	Intensity:	99,962
Position:	1535,76	Intensity:	100,027
Position:	1546,84	Intensity:	99,977
Position:	1566,53	Intensity:	99,954
Position:	1571,91	Intensity:	100,009
Position:	1583,51	Intensity:	99,835
Position:	1630,04	Intensity:	99,968
Position:	1658,01	Intensity:	100,042
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3622,07	Intensity:	100,040
Position:	3639,41	Intensity:	100,011
Position:	3664,99	Intensity:	99,894
Position:	3685,04	Intensity:	100,026
Position:	3723,29	Intensity:	100,014
Position:	3728,08	Intensity:	100,019
Position:	3792,17	Intensity:	99,930
Position:	3810,36	Intensity:	100,018
Position:	3845,85	Intensity:	99,963
Position:	3895,36	Intensity:	99,947

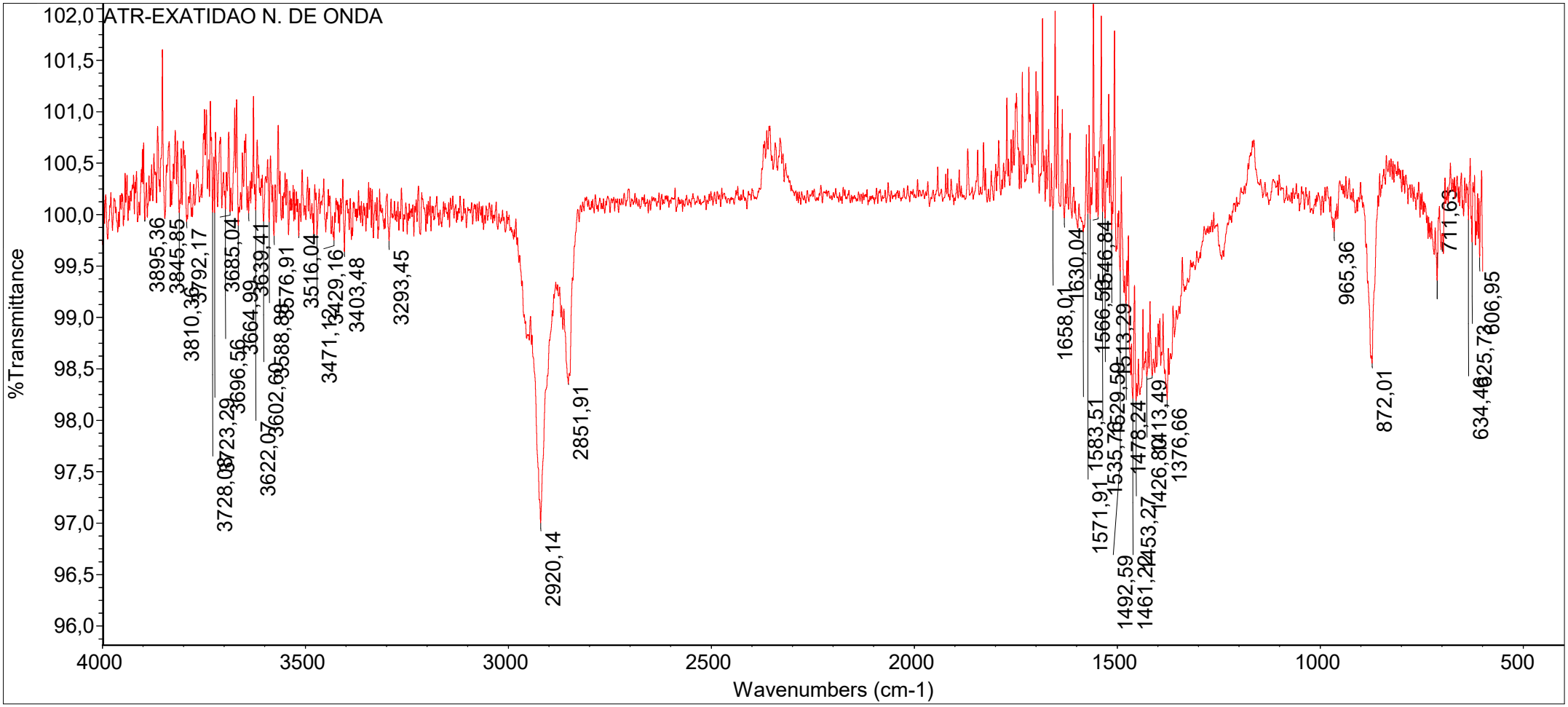

Signature: Not signed
100,70
100,60
100,50
100,40
100,30
100,20
100,10
100,00
99,90
99,80
99,70
99,60
99,50
99,40
99,30
99,20
99,10
99,00
98,90
98,80
98,70
98,60
98,50
%Transmittance
X: 866,586 , Y: 99,432
X: 853,514 , Y:100,488
875
870
865
860
855
850
845
Wavenumbers (cm-1)



Thu Apr 24 11:02:14 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	ATR-EXATIDAO N. DE ONDA		
Region:	4000,12	400,16	
Absolute threshold:	99,945		
Sensitivity:	30		
Peak list:			
Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198
Position:	1413,49	Intensity:	98,434

Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1583,51	Intensity:	99,835
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3664,99	Intensity:	99,894
Position:	3792,17	Intensity:	99,930

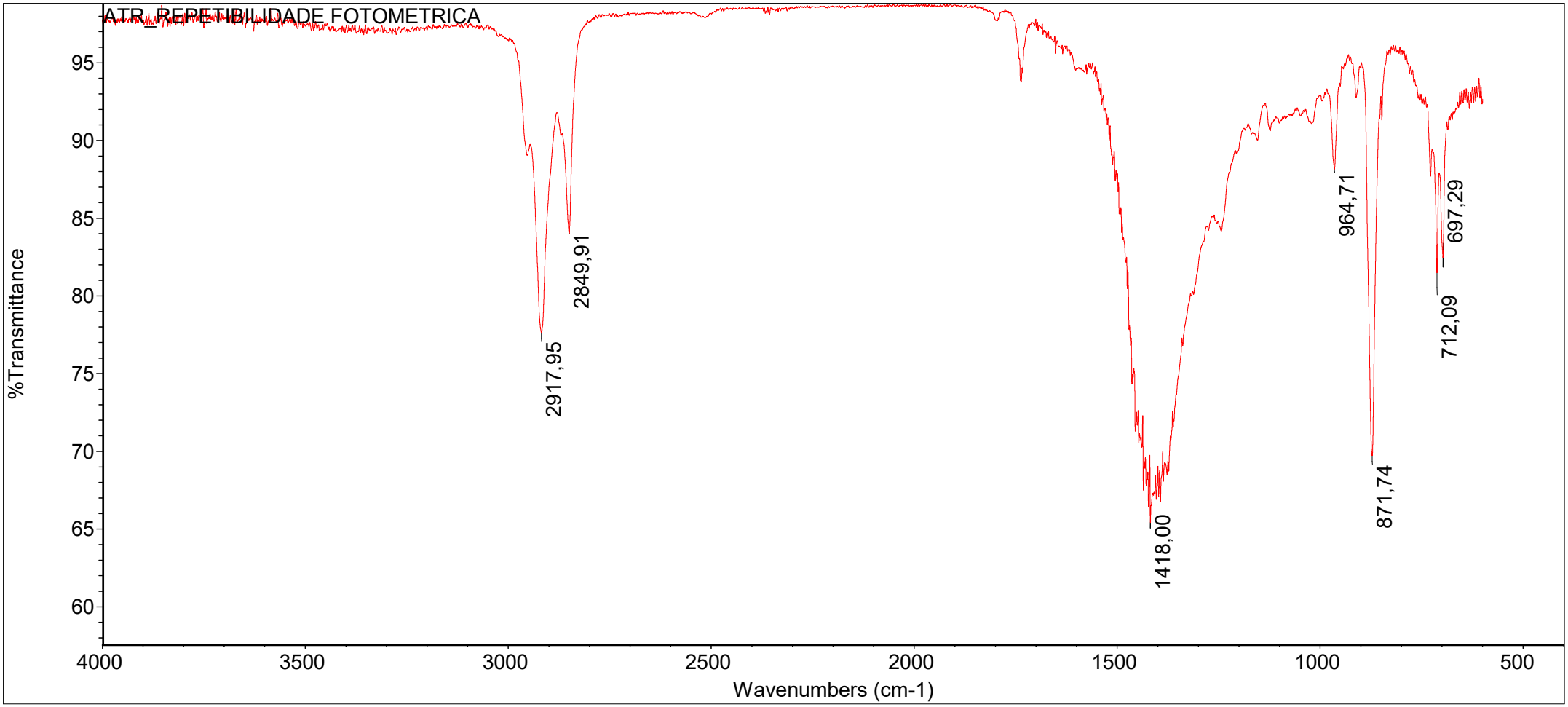


Thu Apr 24 11:06:31 2025 (GMT-03:00)
FIND PEAKS:

Spectrum: ATR-EXATIDAO N. DE ONDA
Region: 4000,12 400,16
Absolute threshold: 100,053
Sensitivity: 30
Peak list:

Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	634,46	Intensity:	99,946
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198

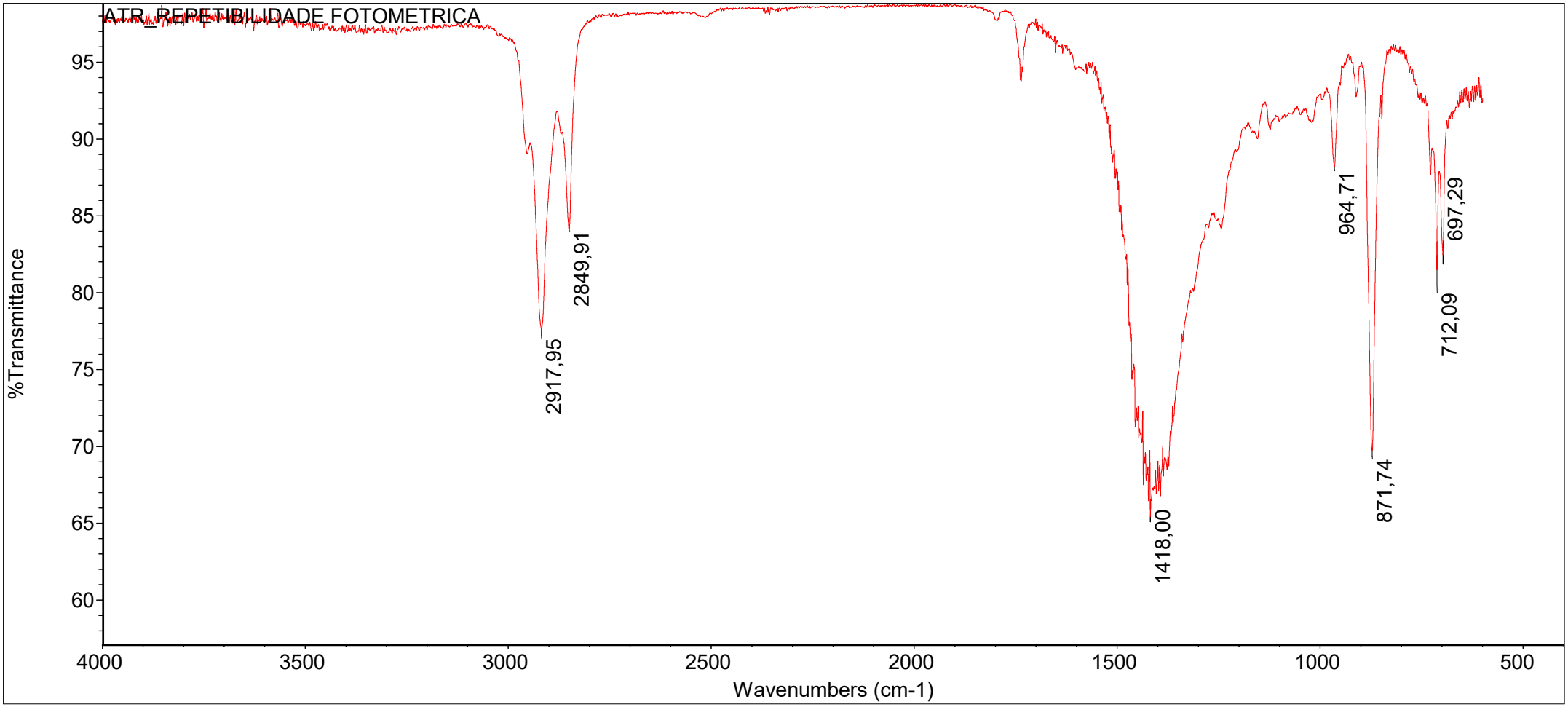
Position:	1413,49	Intensity:	98,434
Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1529,59	Intensity:	99,962
Position:	1535,76	Intensity:	100,027
Position:	1546,84	Intensity:	99,977
Position:	1566,53	Intensity:	99,954
Position:	1571,91	Intensity:	100,009
Position:	1583,51	Intensity:	99,835
Position:	1630,04	Intensity:	99,968
Position:	1658,01	Intensity:	100,042
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3622,07	Intensity:	100,040
Position:	3639,41	Intensity:	100,011
Position:	3664,99	Intensity:	99,894
Position:	3685,04	Intensity:	100,026
Position:	3696,56	Intensity:	100,051
Position:	3723,29	Intensity:	100,014
Position:	3728,08	Intensity:	100,019
Position:	3792,17	Intensity:	99,930
Position:	3810,36	Intensity:	100,018
Position:	3845,85	Intensity:	99,963
Position:	3895,36	Intensity:	99,947



Thu Apr 24 11:14:20 2025 (GMT-03:00)
FIND PEAKS:

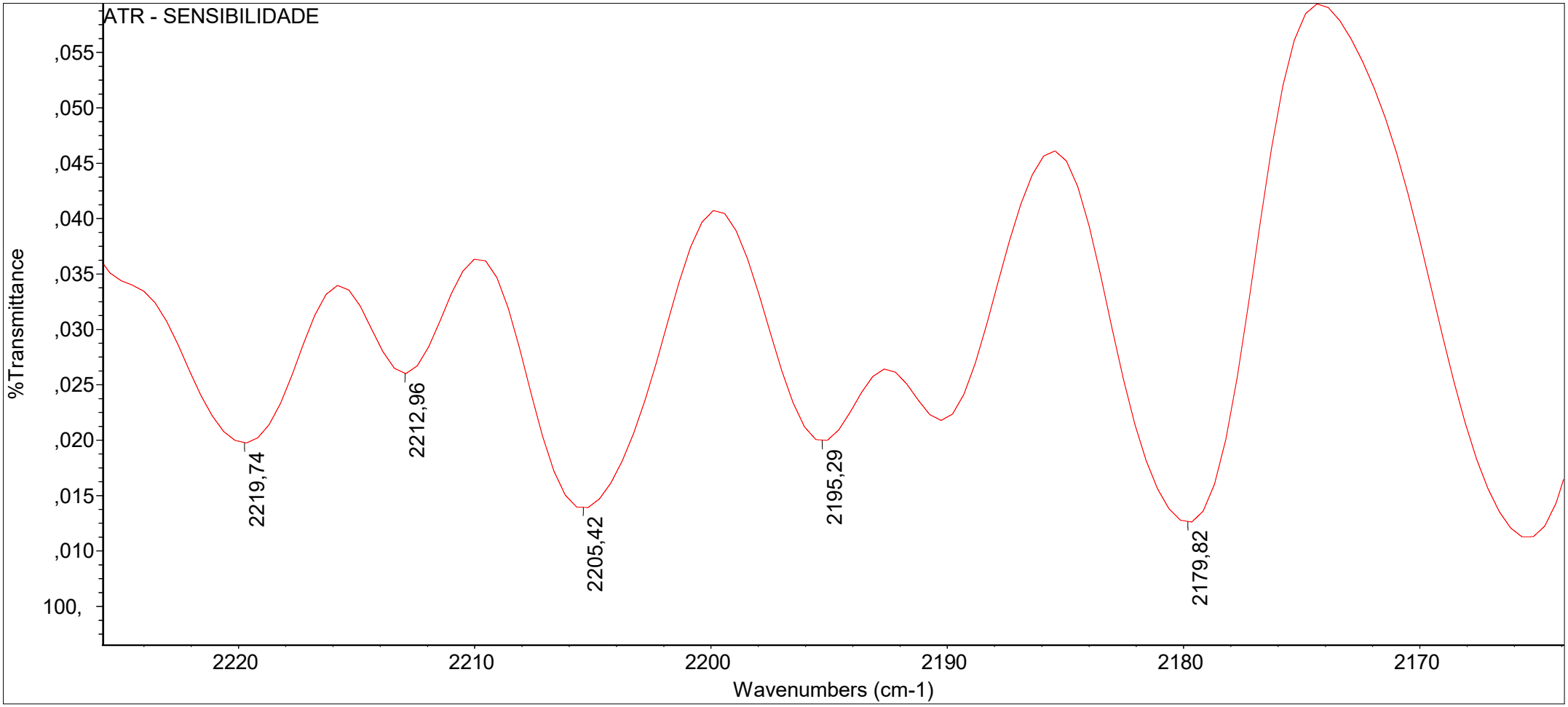
Spectrum: ATR_REPETIBILIDADE FOTOMETRICA
Region: 4000,00 400,00
Absolute threshold: 92,029
Sensitivity: 25
Peak list:

Position:	697,29	Intensity:	82,443
Position:	712,09	Intensity:	81,477
Position:	871,74	Intensity:	69,720
Position:	964,71	Intensity:	88,151
Position:	1418,00	Intensity:	65,377
Position:	2849,91	Intensity:	84,005
Position:	2917,95	Intensity:	77,589



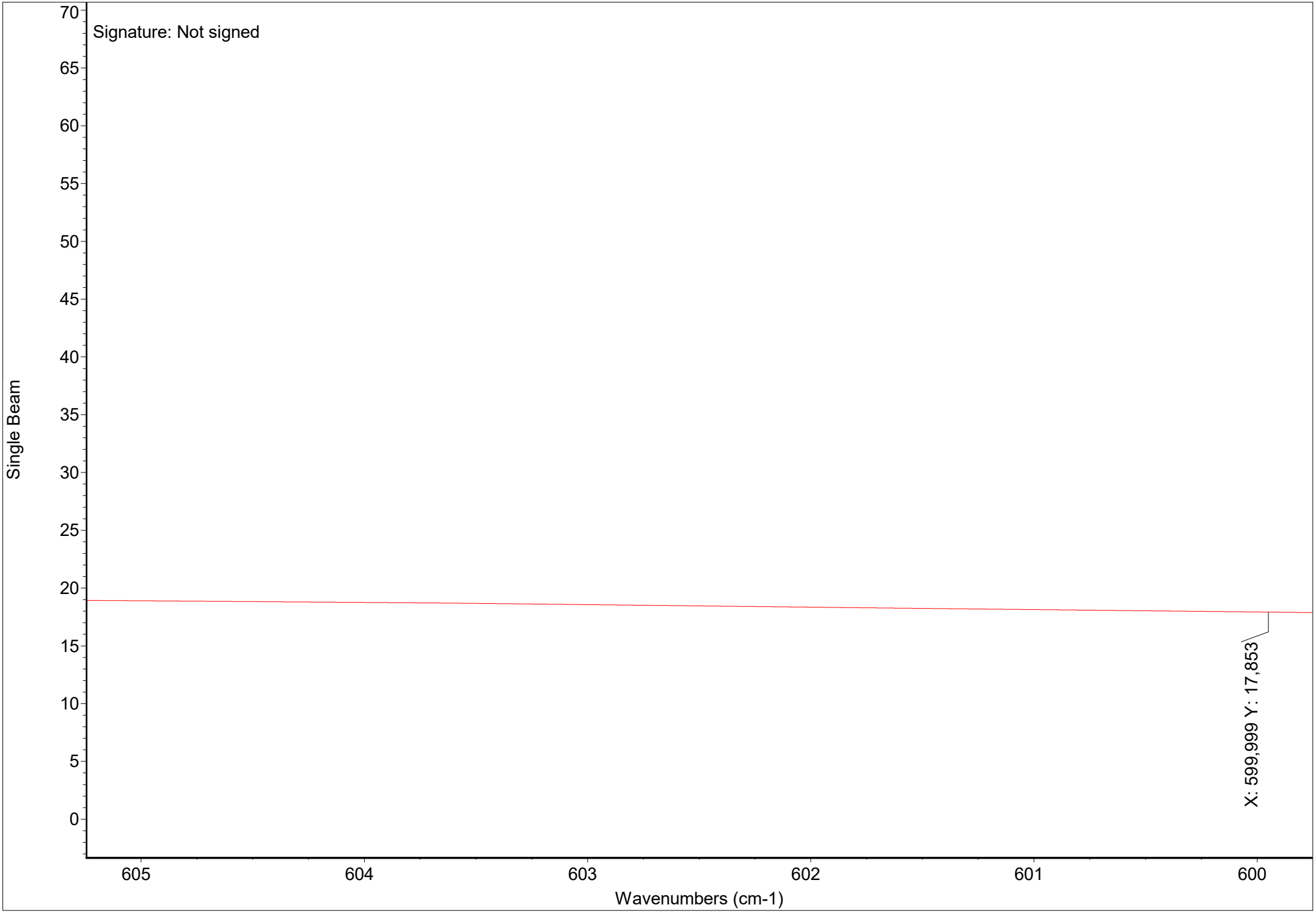
Thu Apr 24 11:17:37 2025 (GMT-03:00)
FIND PEAKS:

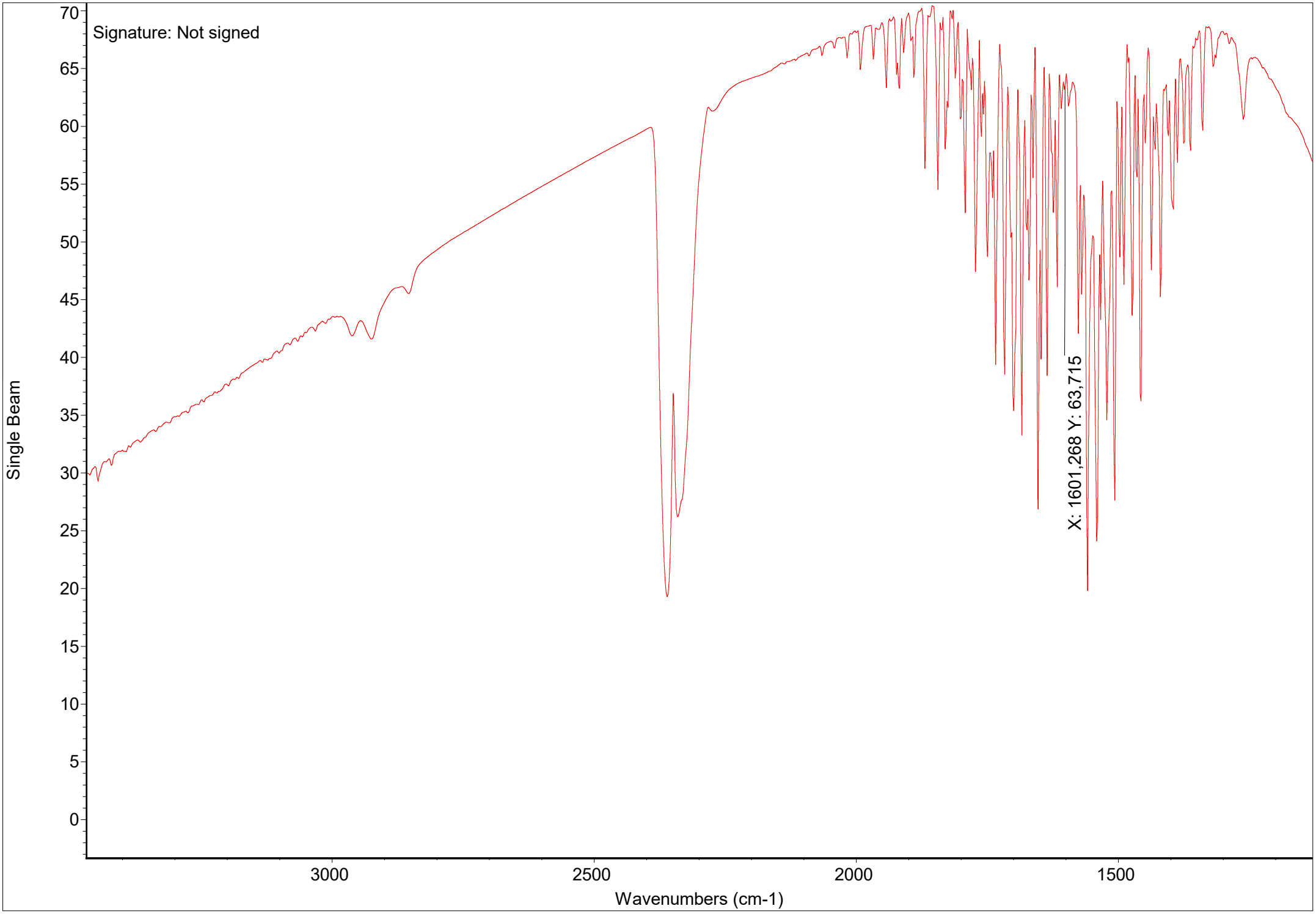
Spectrum:	ATR_REPETIBILIDADE FOTOMETRICA		
Region:	4000,00	400,00	
Absolute threshold:	92,029		
Sensitivity:	25		
Peak list:			
Position:	697,29	Intensity:	82,443
Position:	712,09	Intensity:	81,477
Position:	871,74	Intensity:	69,720
Position:	964,71	Intensity:	88,151
Position:	1418,00	Intensity:	65,377
Position:	2849,91	Intensity:	84,005
Position:	2917,95	Intensity:	77,589

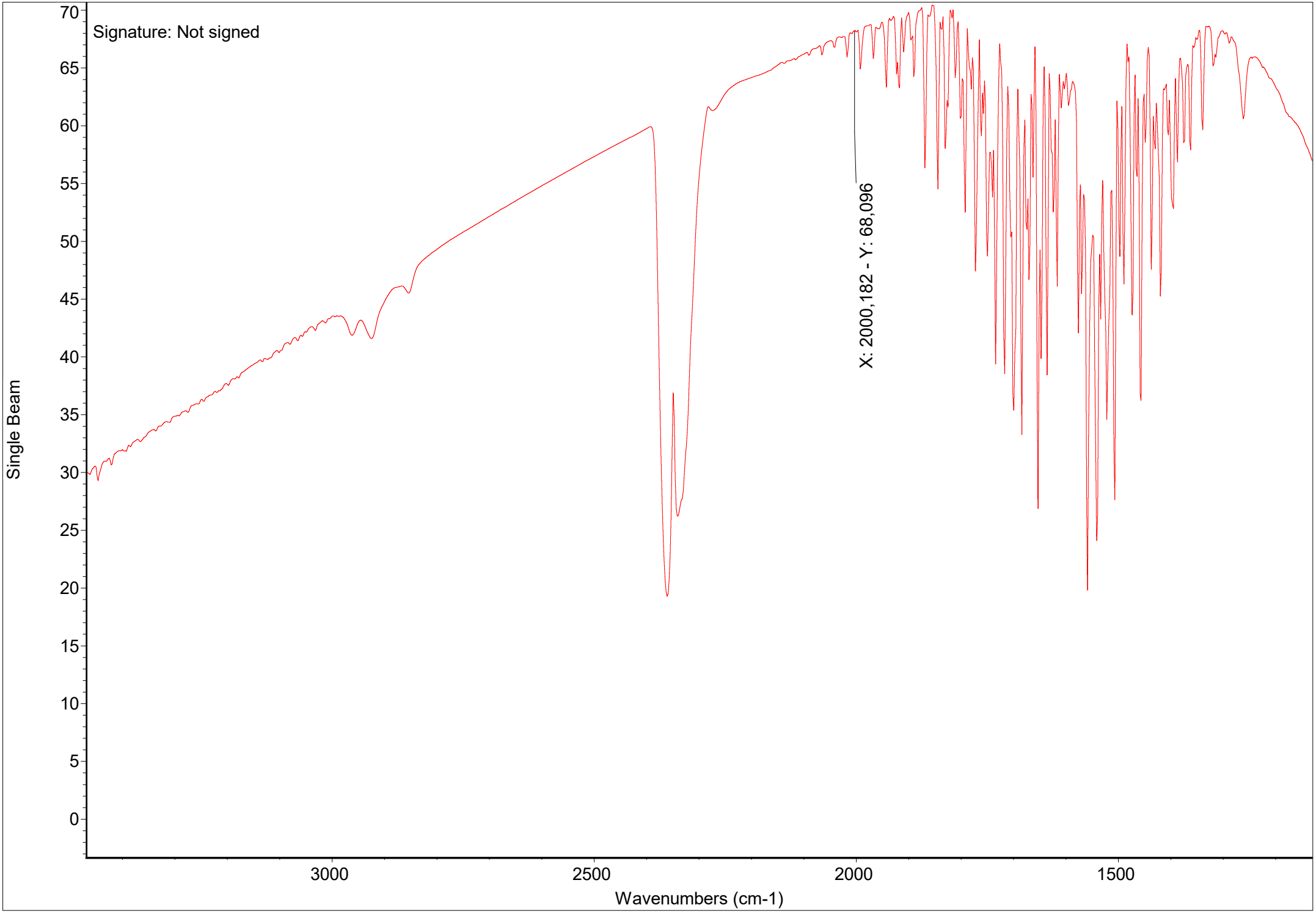


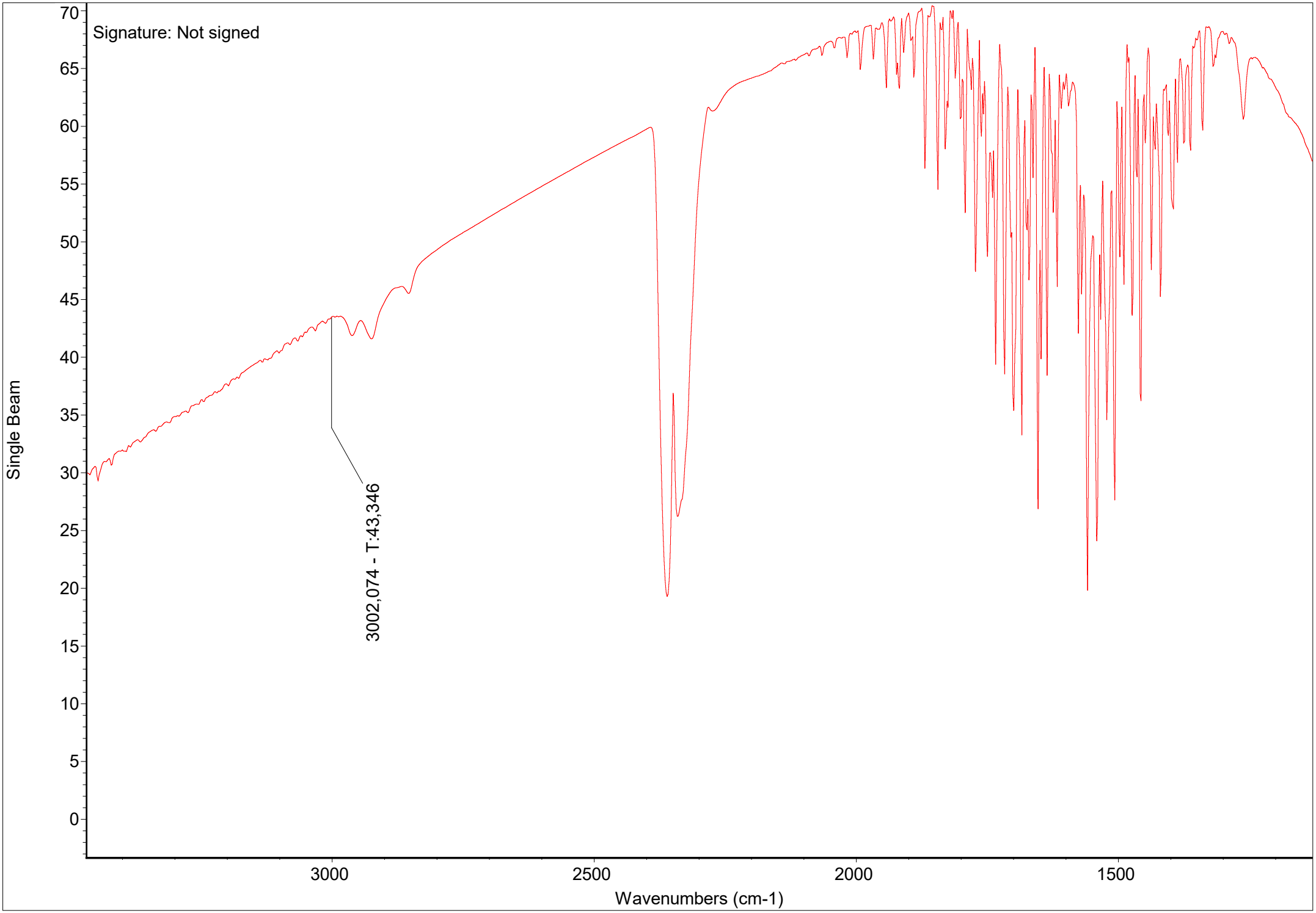
Thu Apr 24 11:55:40 2025 (GMT-03:00)
FIND PEAKS:

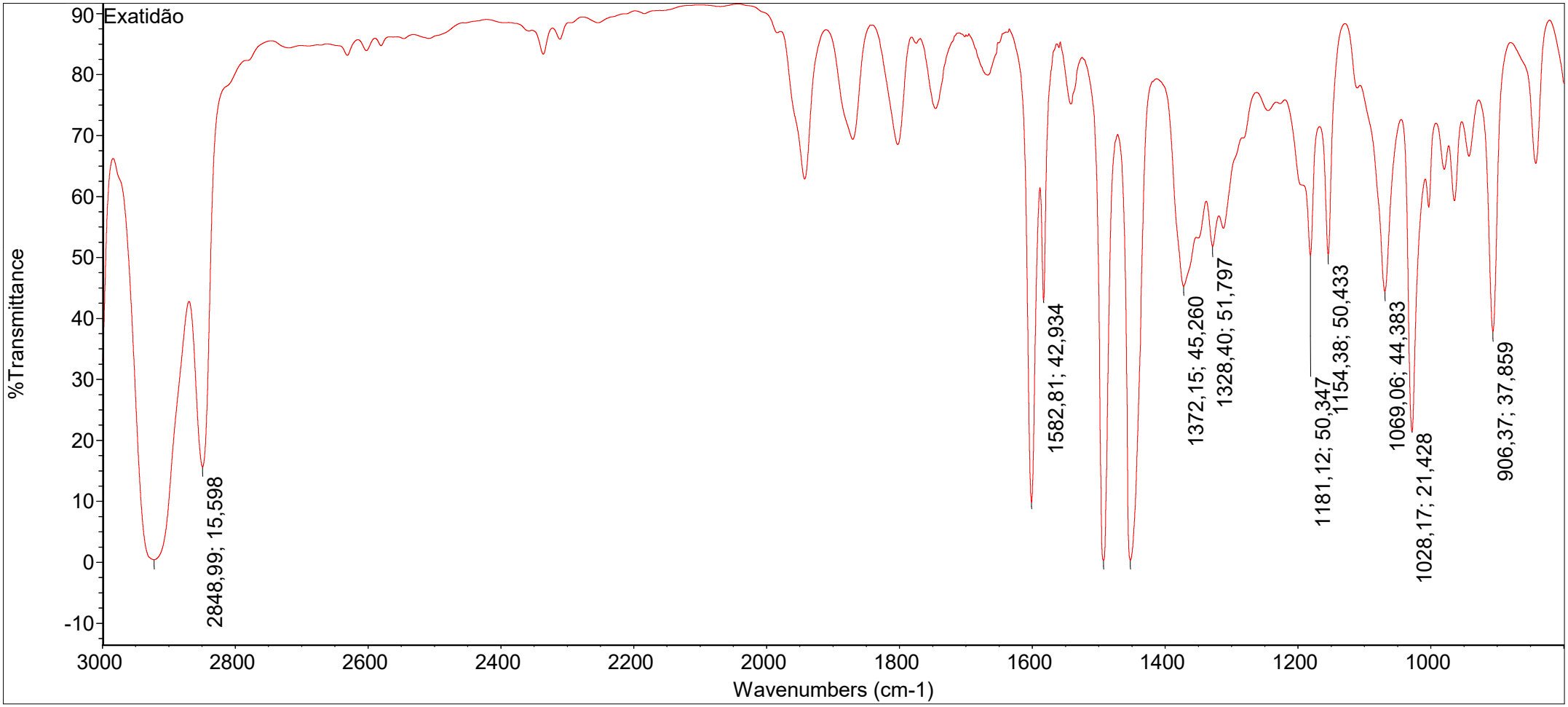
Spectrum:	ATR - SENSIBILIDADE		
Region:	2225,76	2163,91	
Absolute threshold:	100,0270		
Sensitivity:	25		
Peak list:			
	Position:	2179,82	Intensity: 100,013
	Position:	2195,29	Intensity: 100,020
	Position:	2205,42	Intensity: 100,014
	Position:	2212,96	Intensity: 100,026
	Position:	2219,74	Intensity: 100,020


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
605
604
603
602
601
600
Wavenumbers (cm-1)
X: 599,999 Y: 17,853


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3000
2500
2000
1500
Wavenumbers (cm-1)
X: 1601,268 Y: 63,715


Signature: Not signed
X: 2000,182 - Y: 68,096
Single Beam
Wavenumbers (cm-1)
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3000
2500
2000
1500


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3002,074 - T:43,346
3000
2500
2000
1500
Wavenumbers (cm-1)



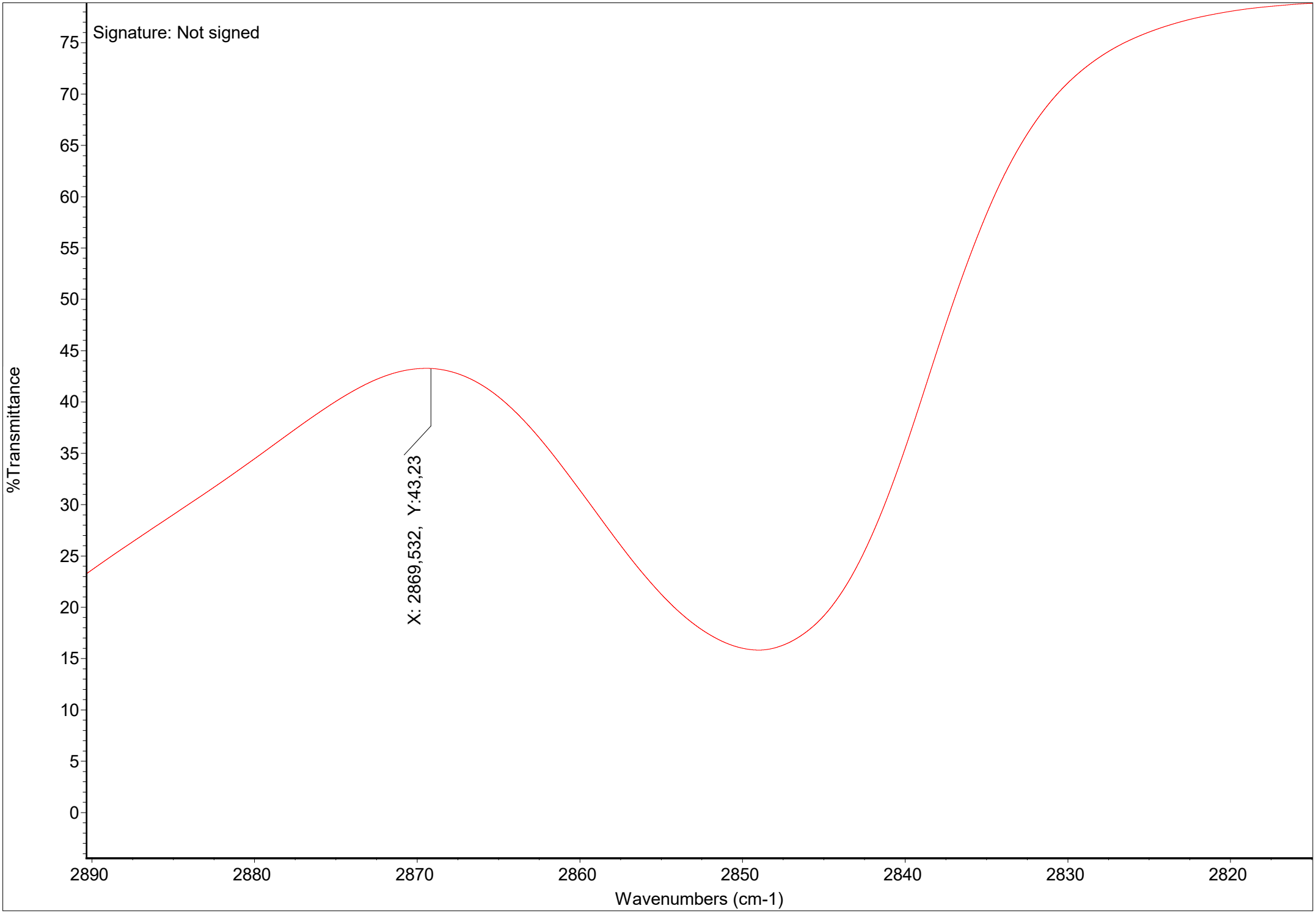
Wed Apr 23 12:06:46 2025 (GMT-03:00)
FIND PEAKS:

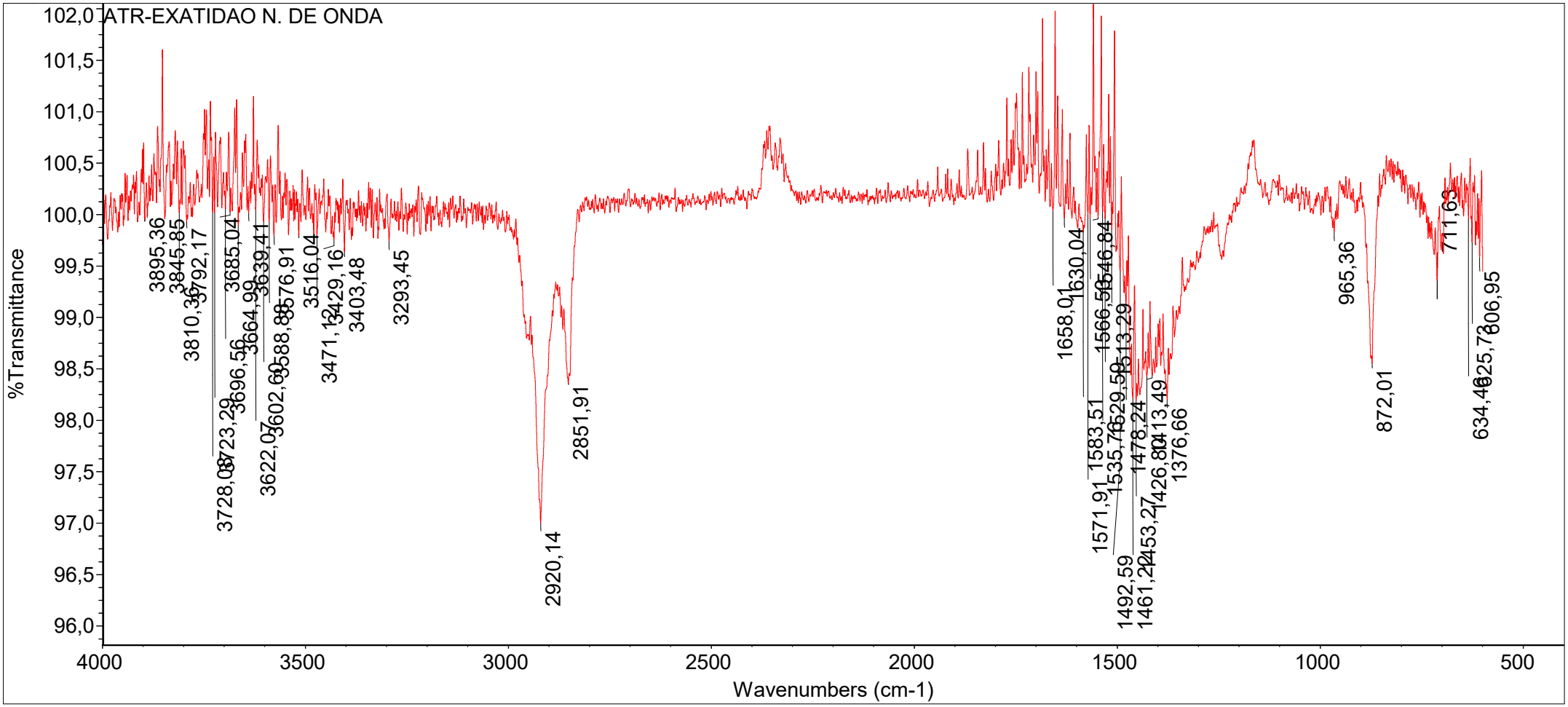
Spectrum:	Exatidão	
Region:	3000,00	800,00
Absolute threshold:	52,748	
Sensitivity:	90	

Peak list:

Position:	906,37	Intensity:	37,859
Position:	1028,17	Intensity:	21,425
Position:	1069,06	Intensity:	44,383
Position:	1154,38	Intensity:	50,431
Position:	1181,12	Intensity:	50,344
Position:	1328,40	Intensity:	51,796
Position:	1372,15	Intensity:	45,260

Position:	1452,27	Intensity:	0,297
Position:	1492,71	Intensity:	0,297
Position:	1582,81	Intensity:	42,934
Position:	1601,06	Intensity:	9,831
Position:	2848,99	Intensity:	15,597
Position:	2922,02	Intensity:	0,394

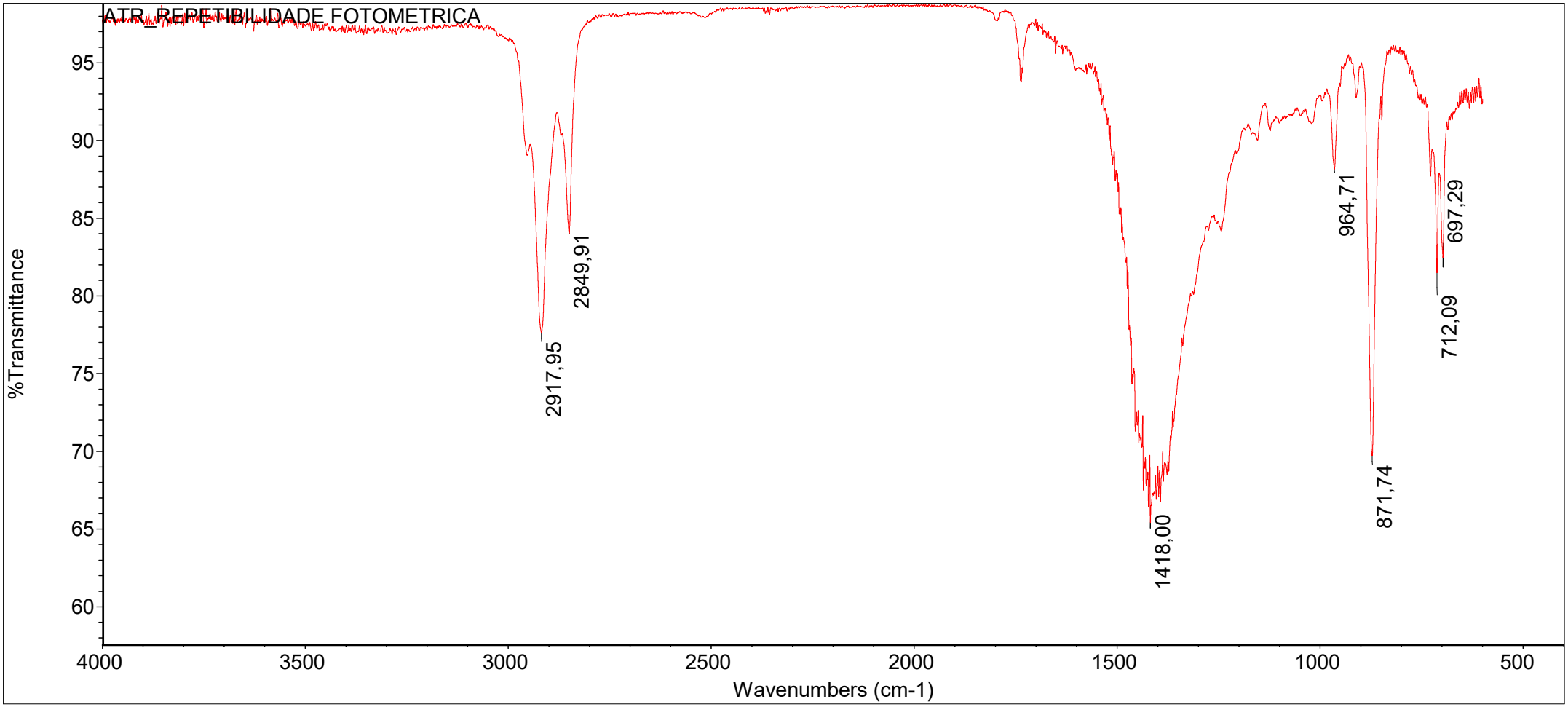

Signature: Not signed
%Transmittance
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
X: 2869,532, Y:43,23
2890
2880
2870
2860
2850
2840
2830
2820
Wavenumbers (cm-1)



Thu Apr 24 11:06:31 2025 (GMT-03:00)
FIND PEAKS:

Spectrum:	ATR-EXATIDAO N. DE ONDA		
Region:	4000,12	400,16	
Absolute threshold:	100,053		
Sensitivity:	30		
Peak list:			
Position:	606,95	Intensity:	99,581
Position:	625,73	Intensity:	99,731
Position:	634,46	Intensity:	99,946
Position:	711,63	Intensity:	99,356
Position:	872,01	Intensity:	98,551
Position:	965,36	Intensity:	99,831
Position:	1376,66	Intensity:	98,198

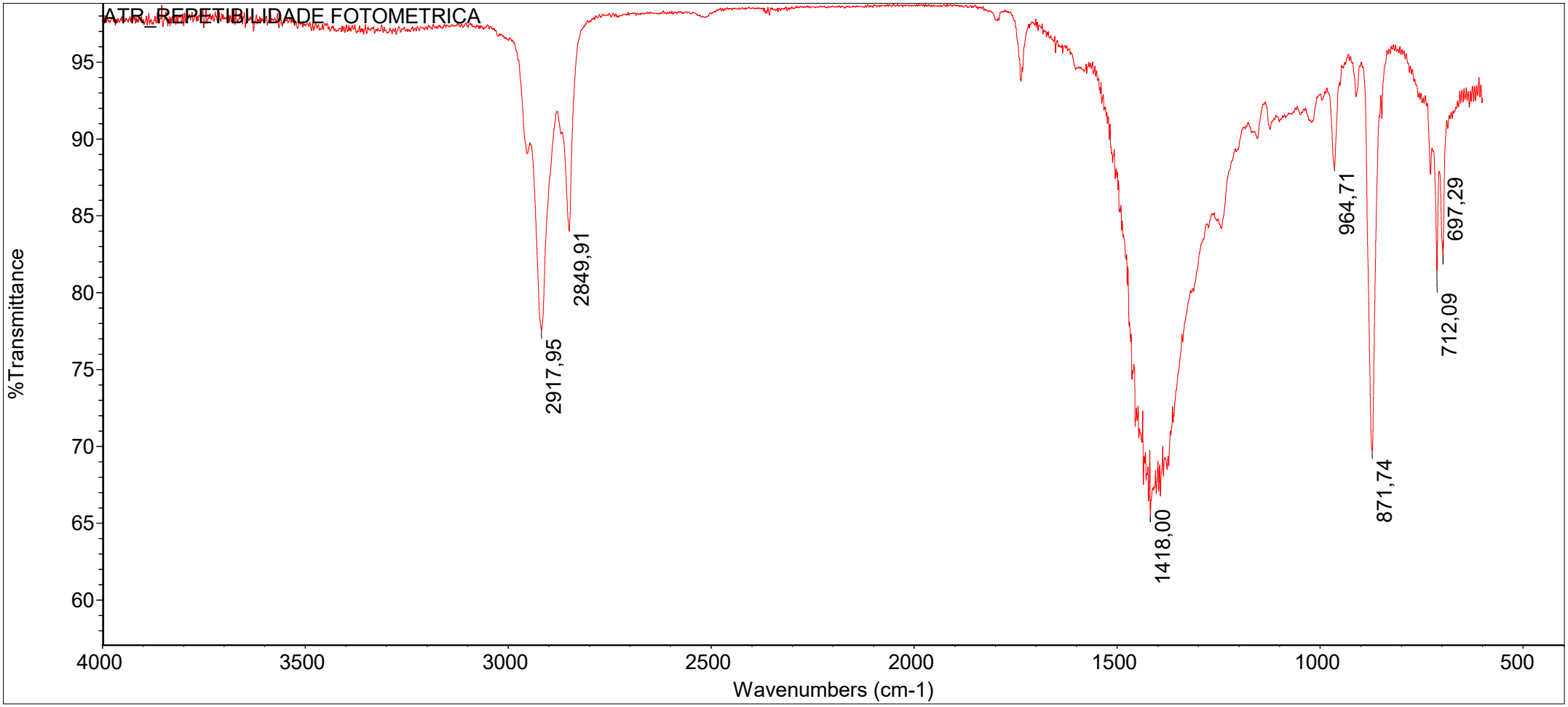
Position:	1413,49	Intensity:	98,434
Position:	1426,80	Intensity:	98,426
Position:	1453,27	Intensity:	98,189
Position:	1461,22	Intensity:	98,210
Position:	1478,24	Intensity:	99,136
Position:	1492,59	Intensity:	99,450
Position:	1513,29	Intensity:	99,852
Position:	1529,59	Intensity:	99,962
Position:	1535,76	Intensity:	100,027
Position:	1546,84	Intensity:	99,977
Position:	1566,53	Intensity:	99,954
Position:	1571,91	Intensity:	100,009
Position:	1583,51	Intensity:	99,835
Position:	1630,04	Intensity:	99,968
Position:	1658,01	Intensity:	100,042
Position:	2851,91	Intensity:	98,354
Position:	2920,14	Intensity:	97,000
Position:	3293,45	Intensity:	99,743
Position:	3403,48	Intensity:	99,639
Position:	3429,16	Intensity:	99,748
Position:	3471,12	Intensity:	99,797
Position:	3516,04	Intensity:	99,790
Position:	3576,91	Intensity:	99,792
Position:	3588,88	Intensity:	99,926
Position:	3602,60	Intensity:	99,932
Position:	3622,07	Intensity:	100,040
Position:	3639,41	Intensity:	100,011
Position:	3664,99	Intensity:	99,894
Position:	3685,04	Intensity:	100,026
Position:	3696,56	Intensity:	100,051
Position:	3723,29	Intensity:	100,014
Position:	3728,08	Intensity:	100,019
Position:	3792,17	Intensity:	99,930
Position:	3810,36	Intensity:	100,018
Position:	3845,85	Intensity:	99,963
Position:	3895,36	Intensity:	99,947



Thu Apr 24 11:14:20 2025 (GMT-03:00)
FIND PEAKS:

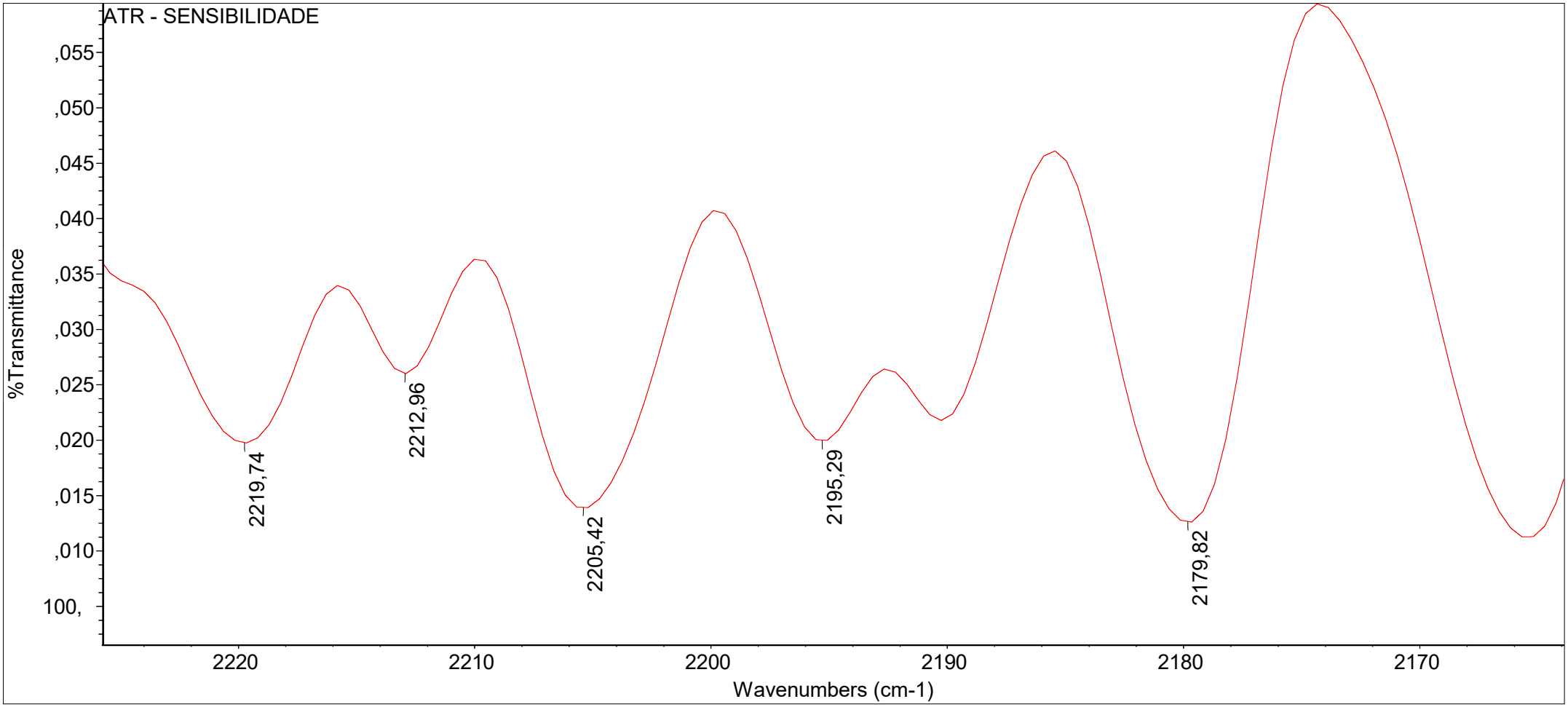
Spectrum: ATR_REPETIBILIDADE FOTOMETRICA
Region: 4000,00 400,00
Absolute threshold: 92,029
Sensitivity: 25
Peak list:

Position:	697,29	Intensity:	82,443
Position:	712,09	Intensity:	81,477
Position:	871,74	Intensity:	69,720
Position:	964,71	Intensity:	88,151
Position:	1418,00	Intensity:	65,377
Position:	2849,91	Intensity:	84,005
Position:	2917,95	Intensity:	77,589



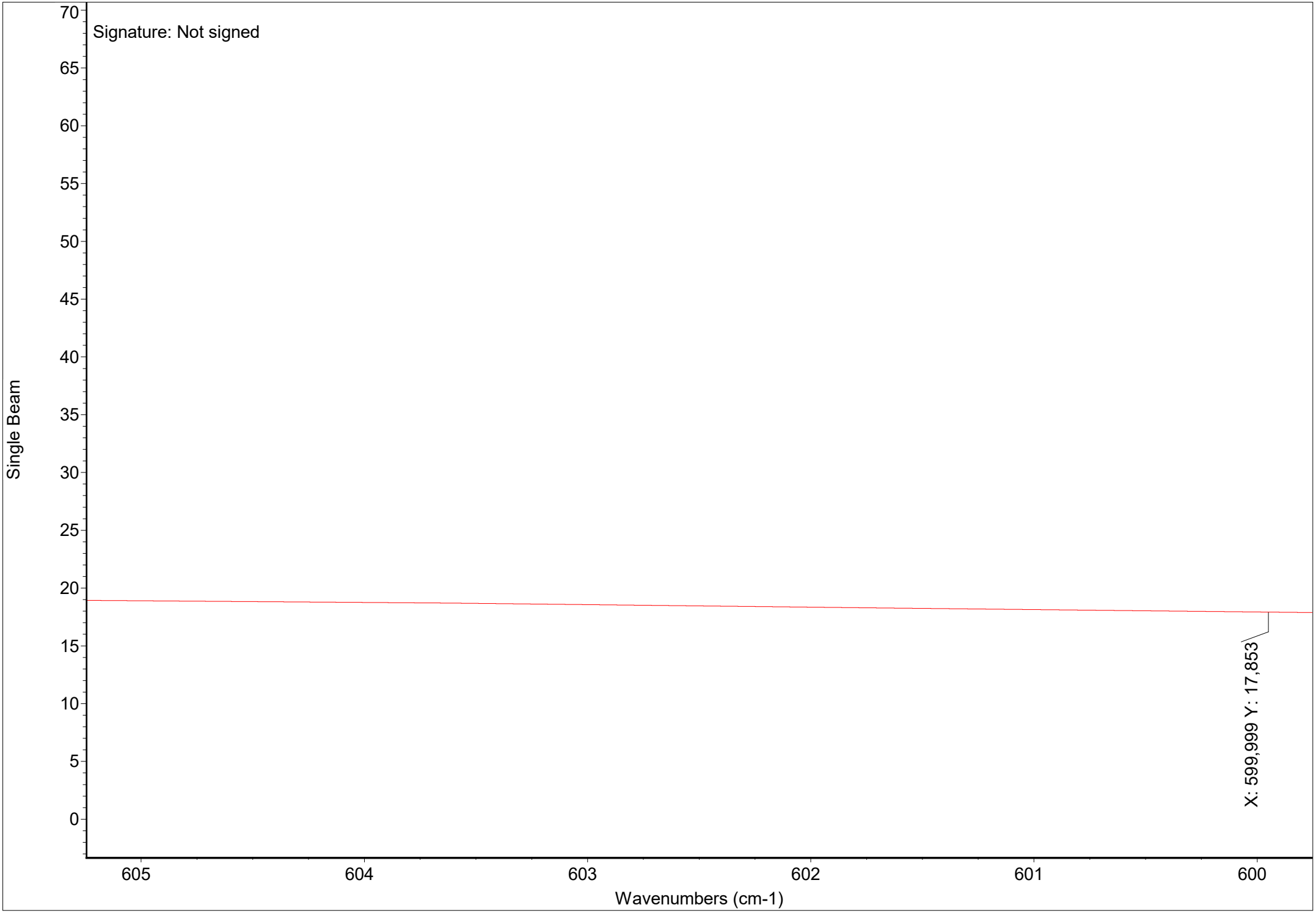
Thu Apr 24 11:17:37 2025 (GMT-03:00)
FIND PEAKS:

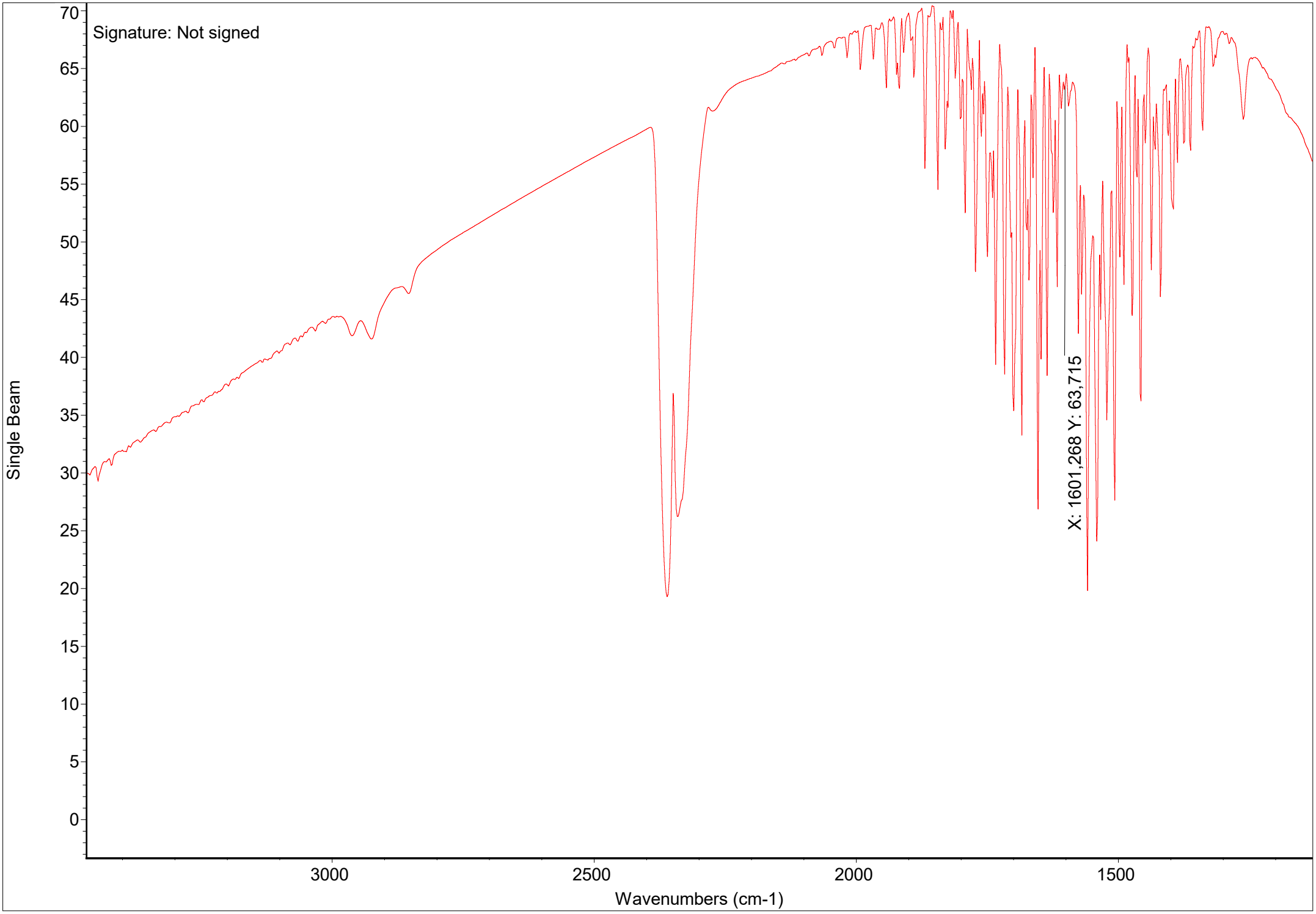
Spectrum:	ATR_REPETIBILIDADE FOTOMETRICA		
Region:	4000,00	400,00	
Absolute threshold:	92,029		
Sensitivity:	25		
Peak list:			
Position:	697,29	Intensity:	82,443
Position:	712,09	Intensity:	81,477
Position:	871,74	Intensity:	69,720
Position:	964,71	Intensity:	88,151
Position:	1418,00	Intensity:	65,377
Position:	2849,91	Intensity:	84,005
Position:	2917,95	Intensity:	77,589

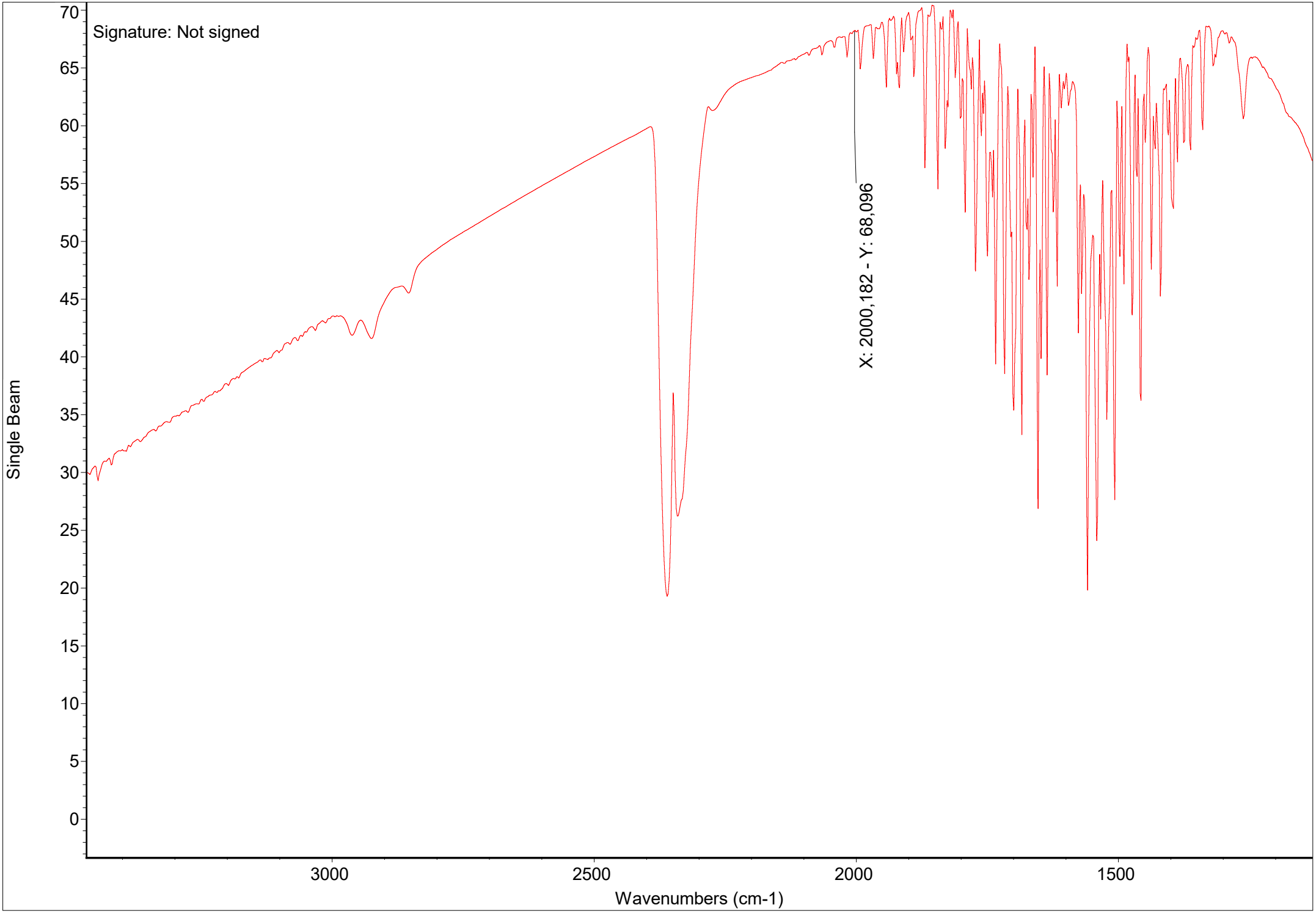


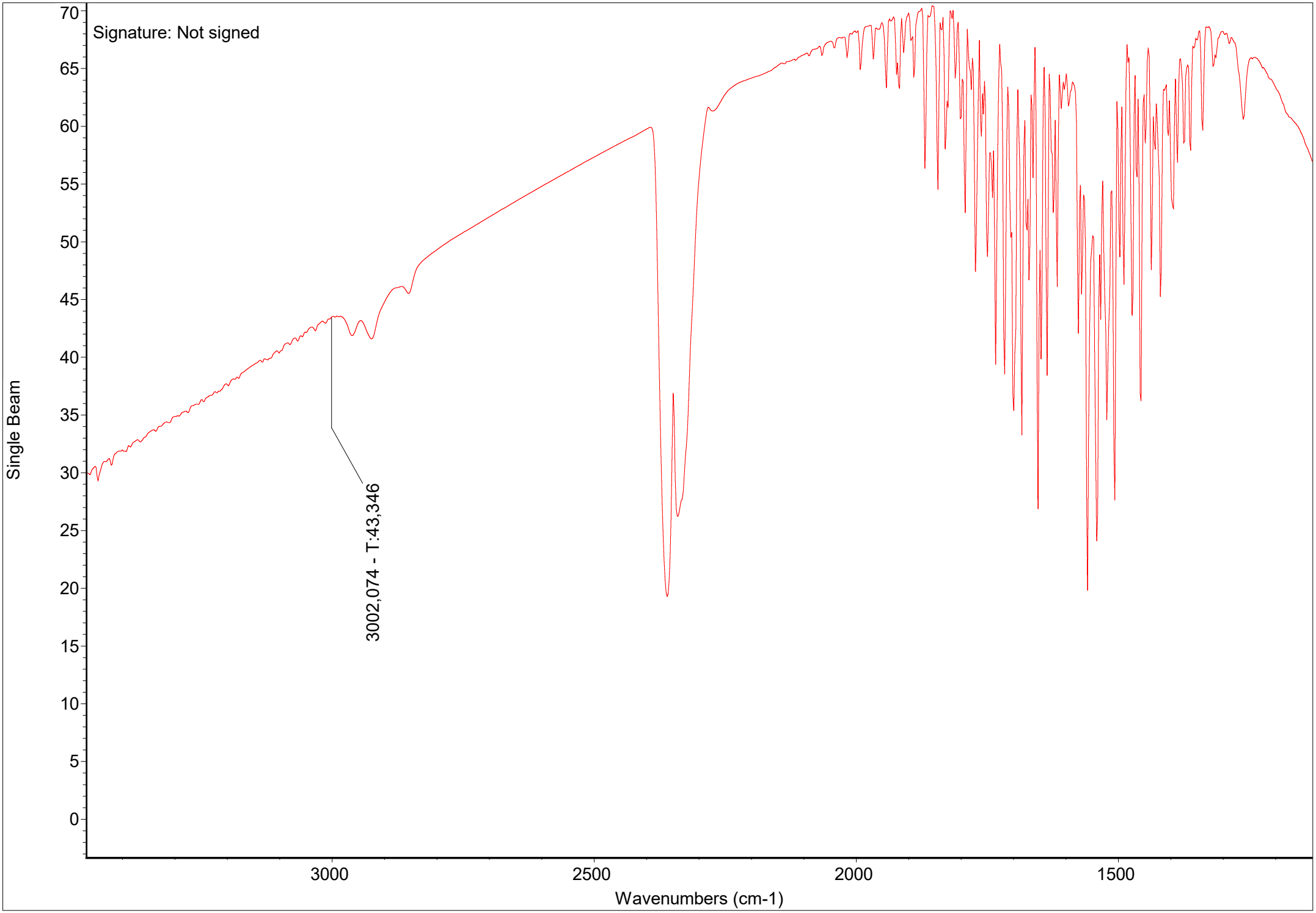
Thu Apr 24 11:55:40 2025 (GMT-03:00)
FIND PEAKS:

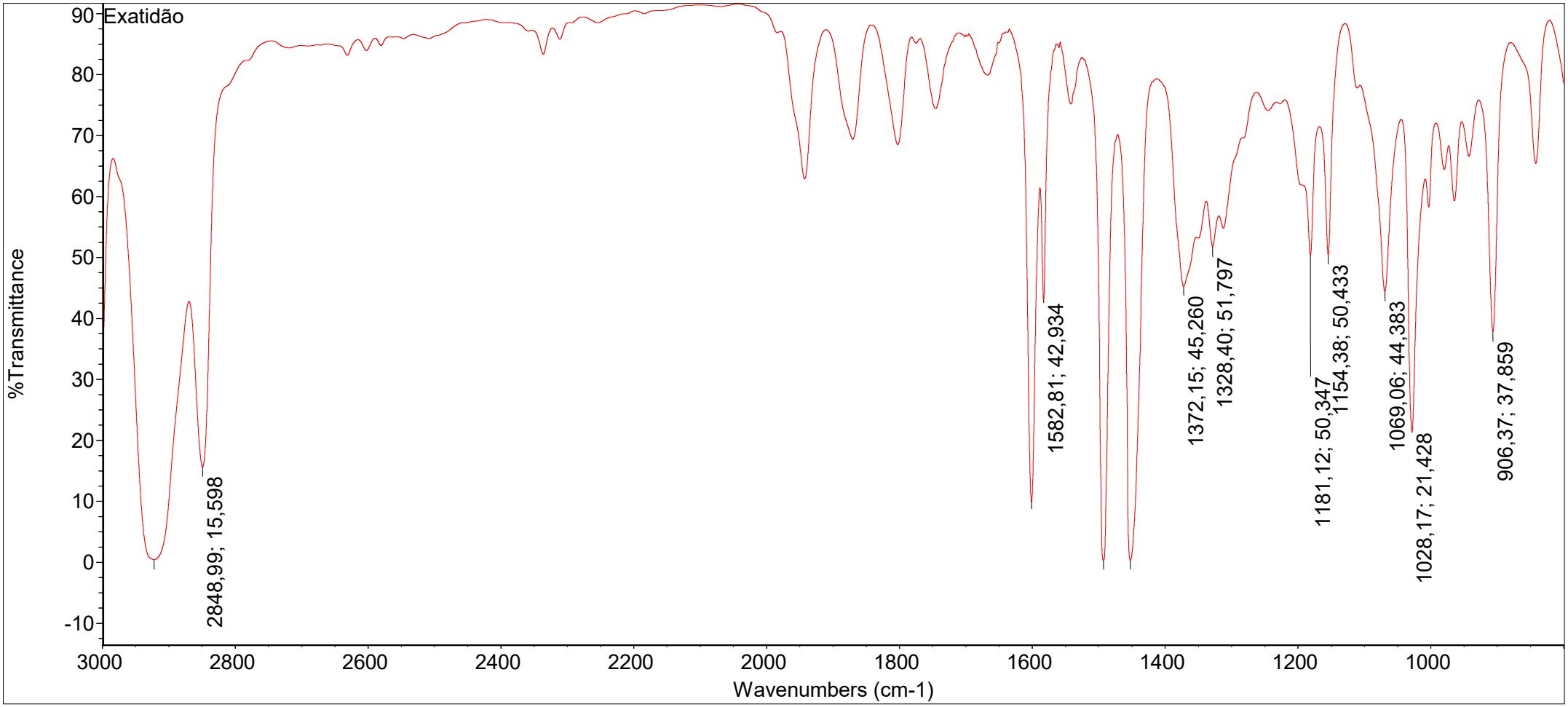
Spectrum:	ATR - SENSIBILIDADE			
Region:	2225,76	2163,91		
Absolute threshold:	100,0270			
Sensitivity:	25			
Peak list:				
	Position:	2179,82	Intensity:	100,013
	Position:	2195,29	Intensity:	100,020
	Position:	2205,42	Intensity:	100,014
	Position:	2212,96	Intensity:	100,026
	Position:	2219,74	Intensity:	100,020


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
605
604
603
602
601
600
Wavenumbers (cm-1)
X: 599,999 Y: 17,853


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3000
2500
2000
1500
Wavenumbers (cm-1)
X: 1601,268 Y: 63,715


Signature: Not signed
X: 2000,182 - Y: 68,096
Single Beam
Wavenumbers (cm-1)
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3000
2500
2000
1500


Signature: Not signed
Single Beam
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3002,074 - T:43,346
3000
2500
2000
1500
Wavenumbers (cm-1)



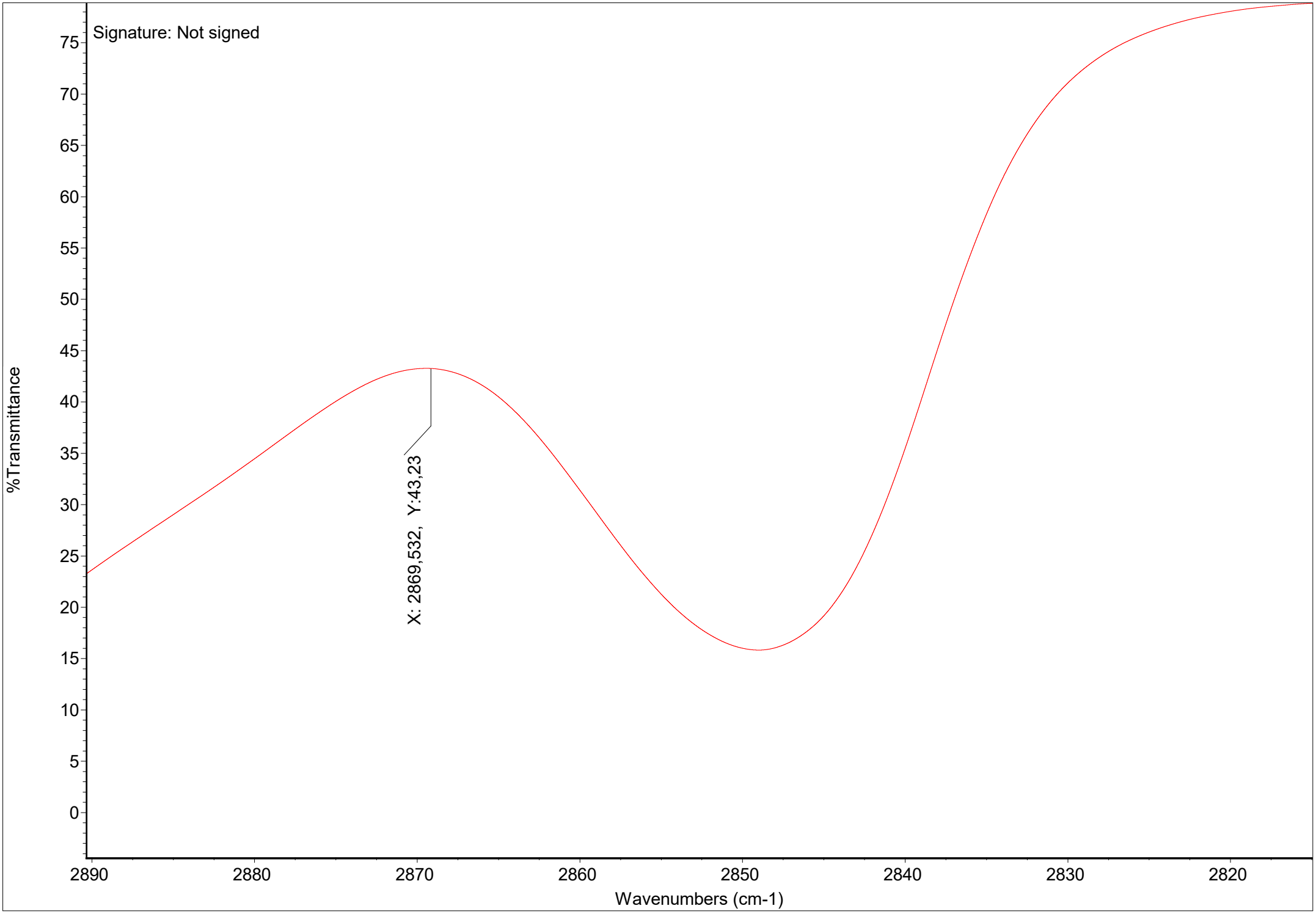
Wed Apr 23 12:06:46 2025 (GMT-03:00)
FIND PEAKS:

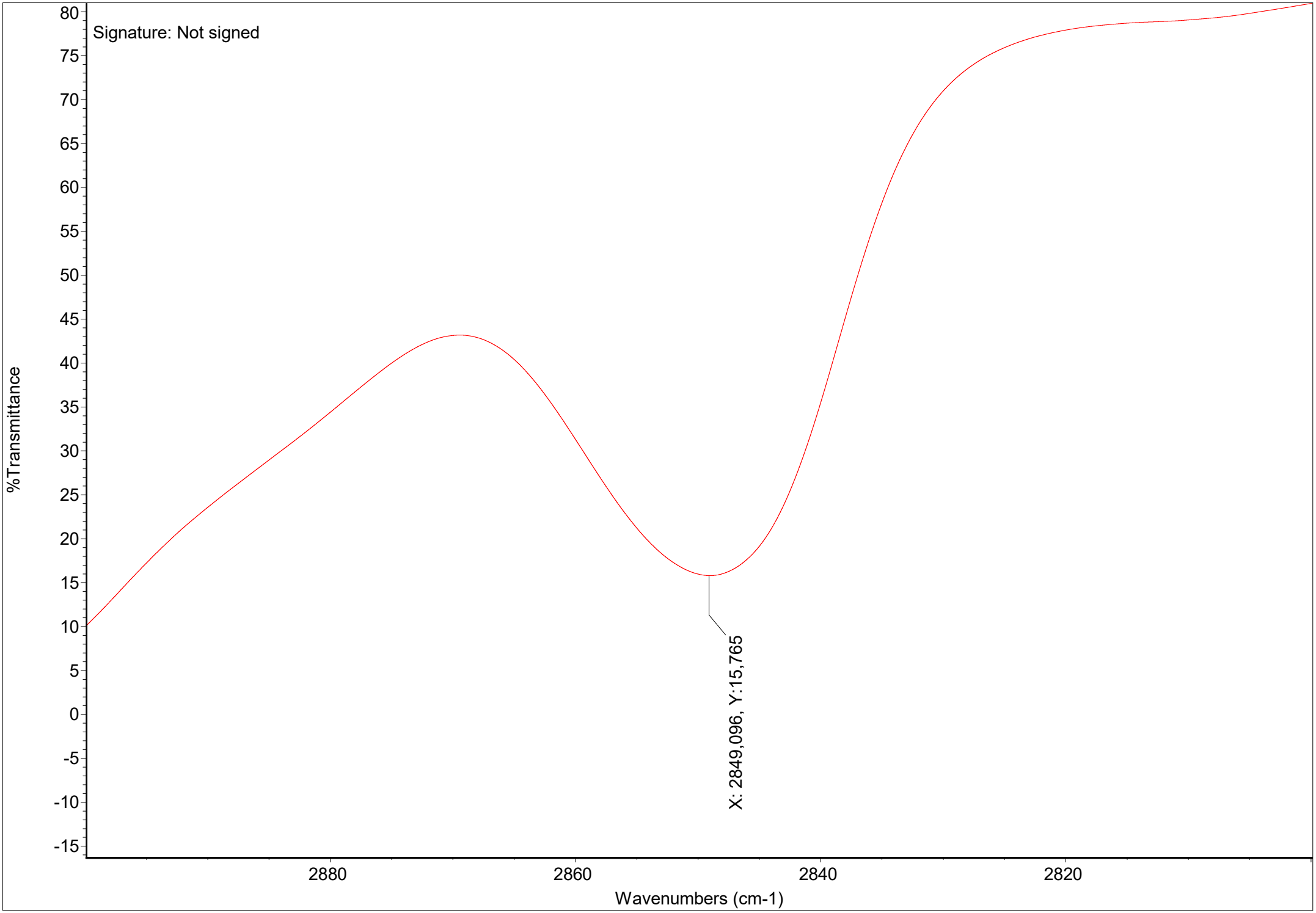
Spectrum:	Exatidão	
Region:	3000,00	800,00
Absolute threshold:	52,748	
Sensitivity:	90	

Peak list:

Position:	906,37	Intensity:	37,859
Position:	1028,17	Intensity:	21,425
Position:	1069,06	Intensity:	44,383
Position:	1154,38	Intensity:	50,431
Position:	1181,12	Intensity:	50,344
Position:	1328,40	Intensity:	51,796
Position:	1372,15	Intensity:	45,260

Position:	1452,27	Intensity:	0,297
Position:	1492,71	Intensity:	0,297
Position:	1582,81	Intensity:	42,934
Position:	1601,06	Intensity:	9,831
Position:	2848,99	Intensity:	15,597
Position:	2922,02	Intensity:	0,394


Signature: Not signed
%Transmittance
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
X: 2869,532, Y:43,23
2890
2880
2870
2860
2850
2840
2830
2820
Wavenumbers (cm-1)


Signature: Not signed
%Transmittance
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
2880
2860
2840
2820
Wavenumbers (cm-1)
X: 2849,096, Y:15,765