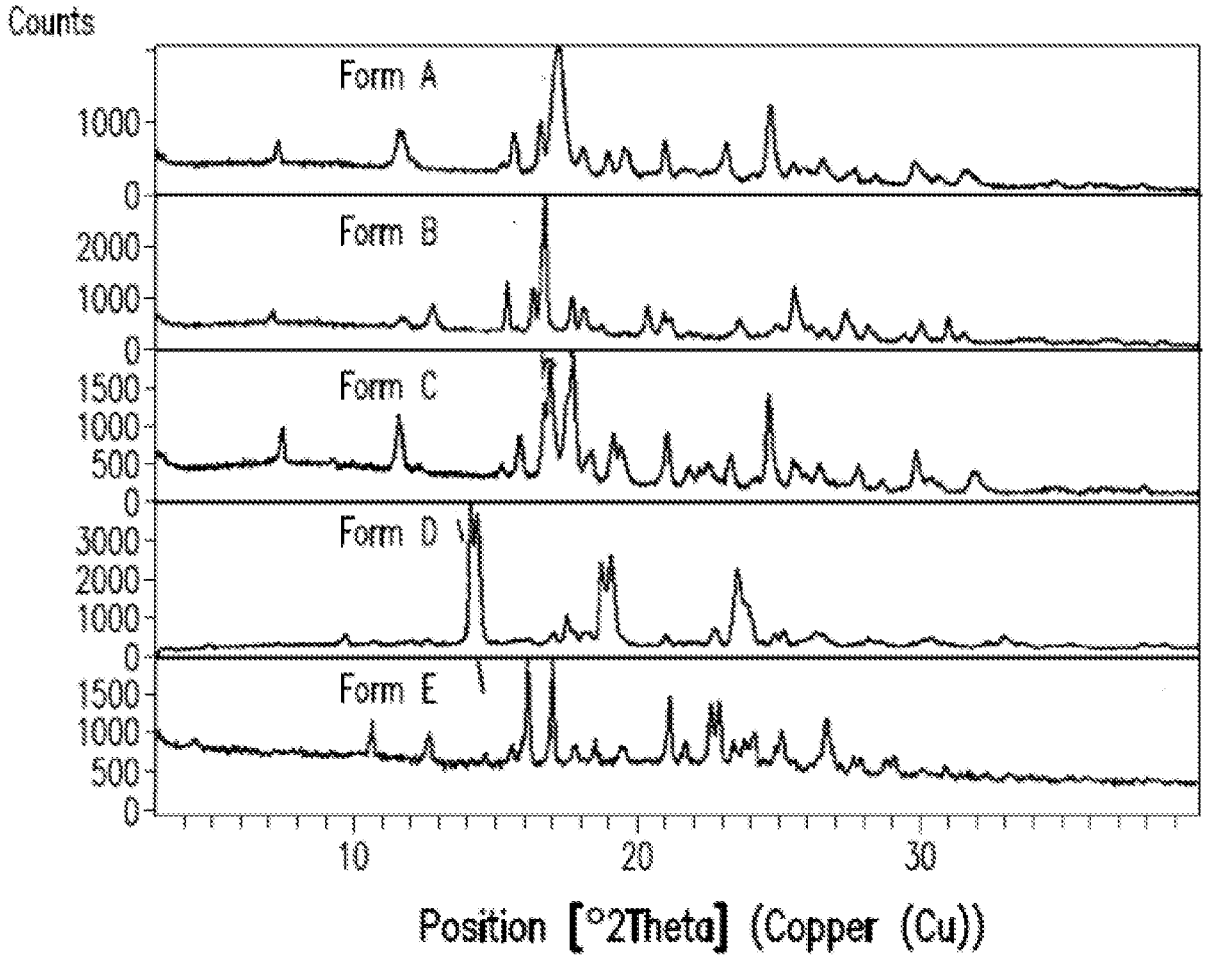

Counts
Form A
1000
0
Form B
2000
1000
0
Form C
1500
1000
500
0
Form D
3000
2000
1000
0
Form E
1500
1000
500
0
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 1

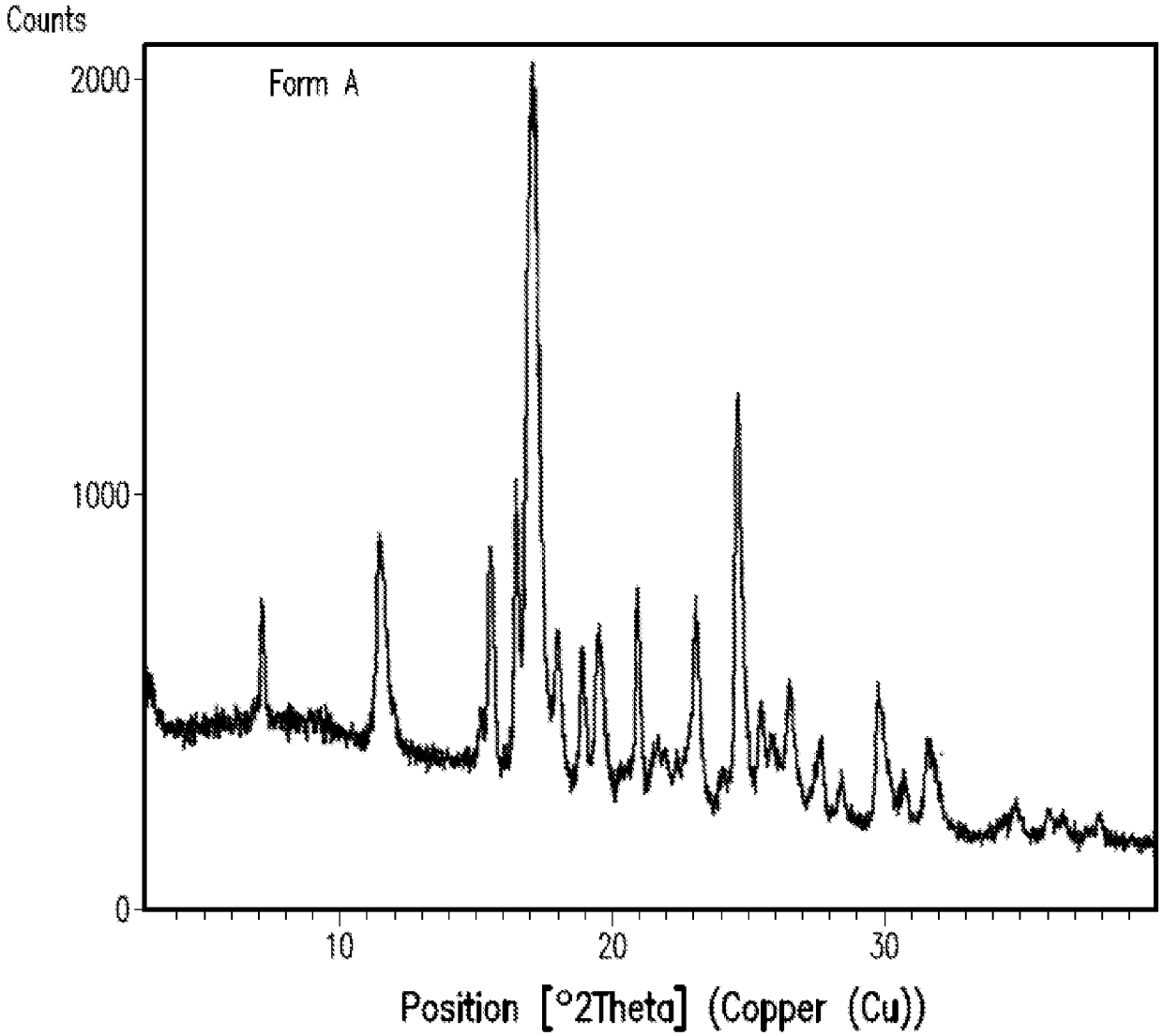


FIG. 2

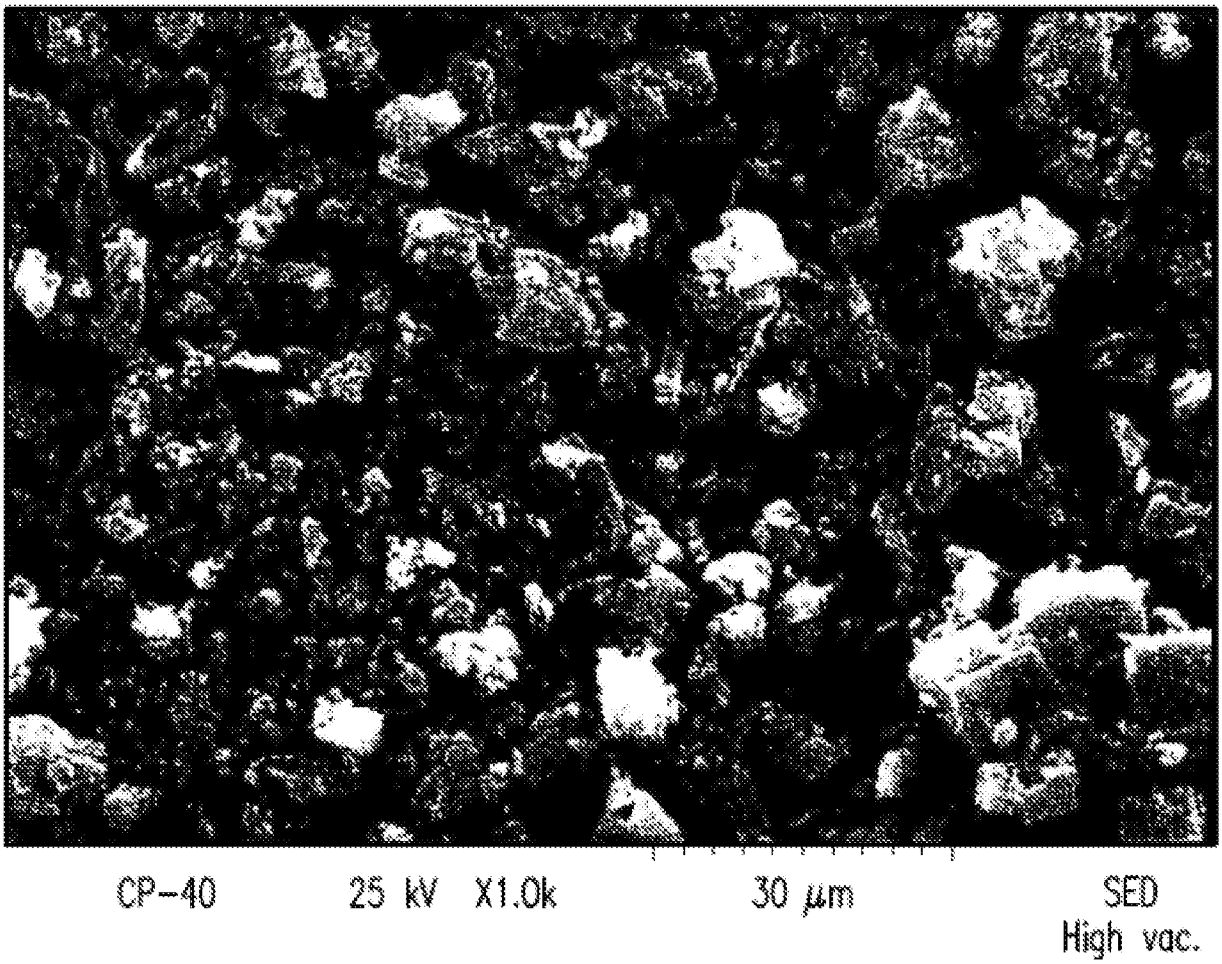


FIG. 3

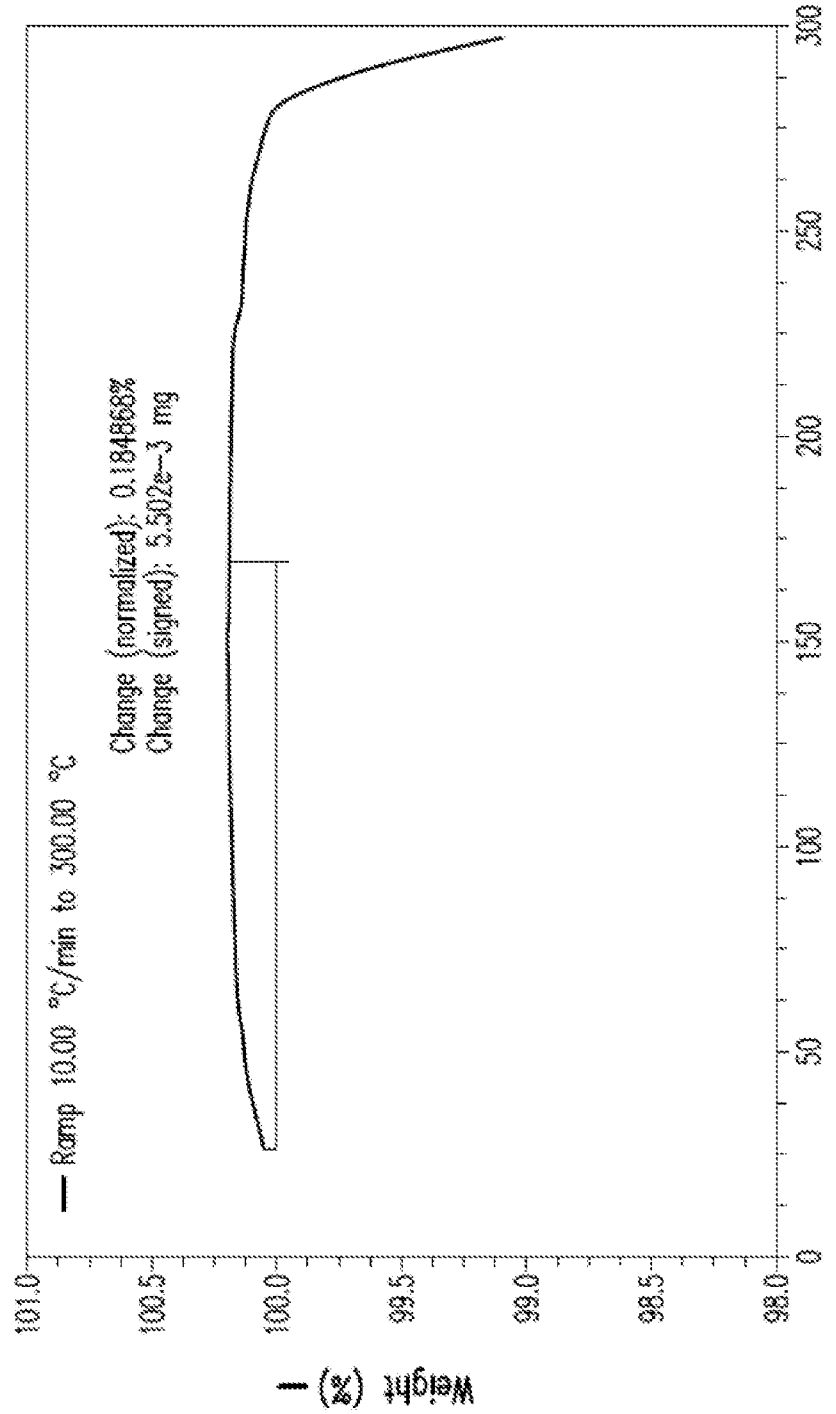

Ramp 10.00 °C/min to 300.00 °C
Change (normalized): 0.184868%
Change (signed): 5.502e−3 mg
Weight (%)
(°C)
101.0
100.5
100.0
99.5
99.0
98.5
98.0
0
50
100
150
200
250
300

FIG. 4

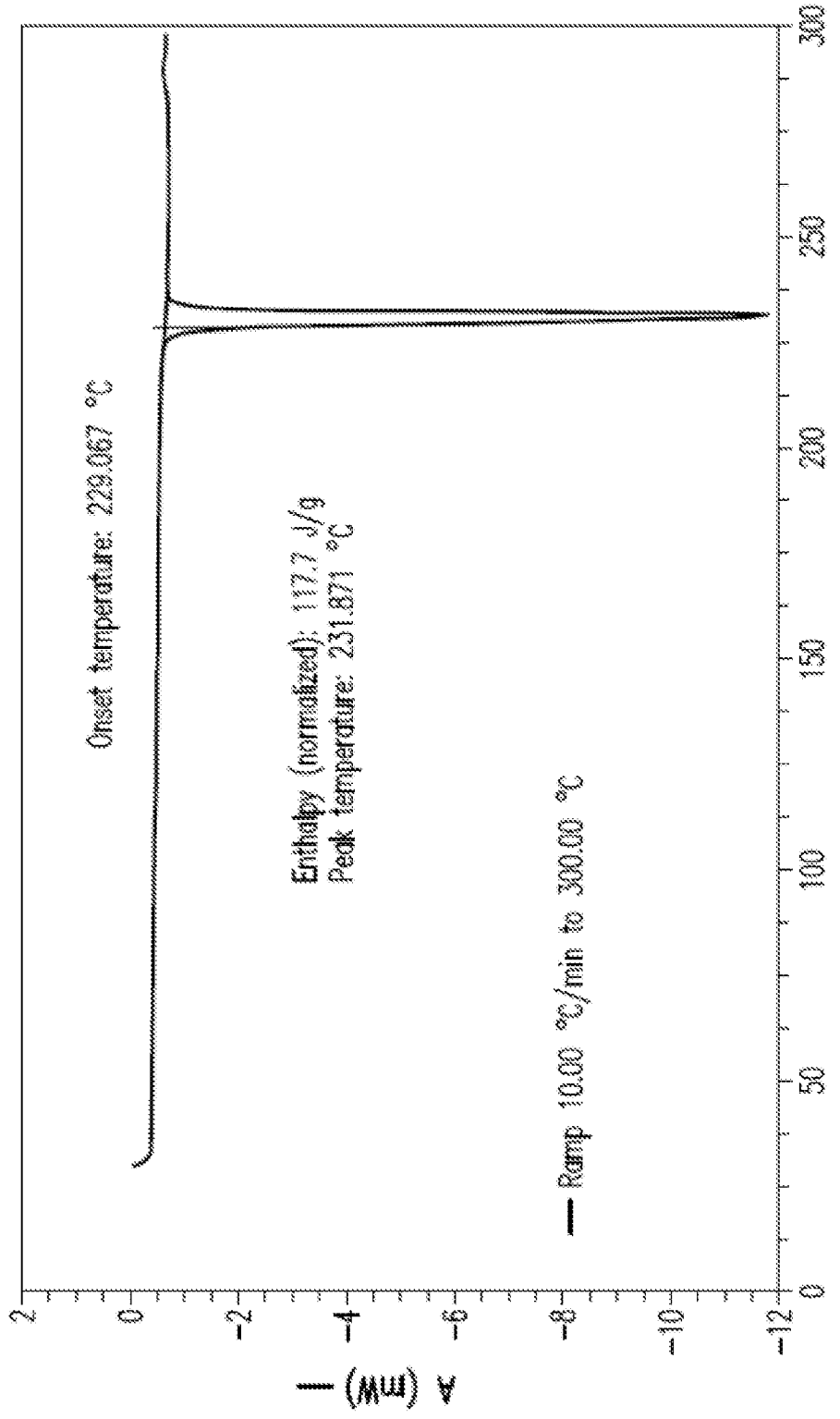
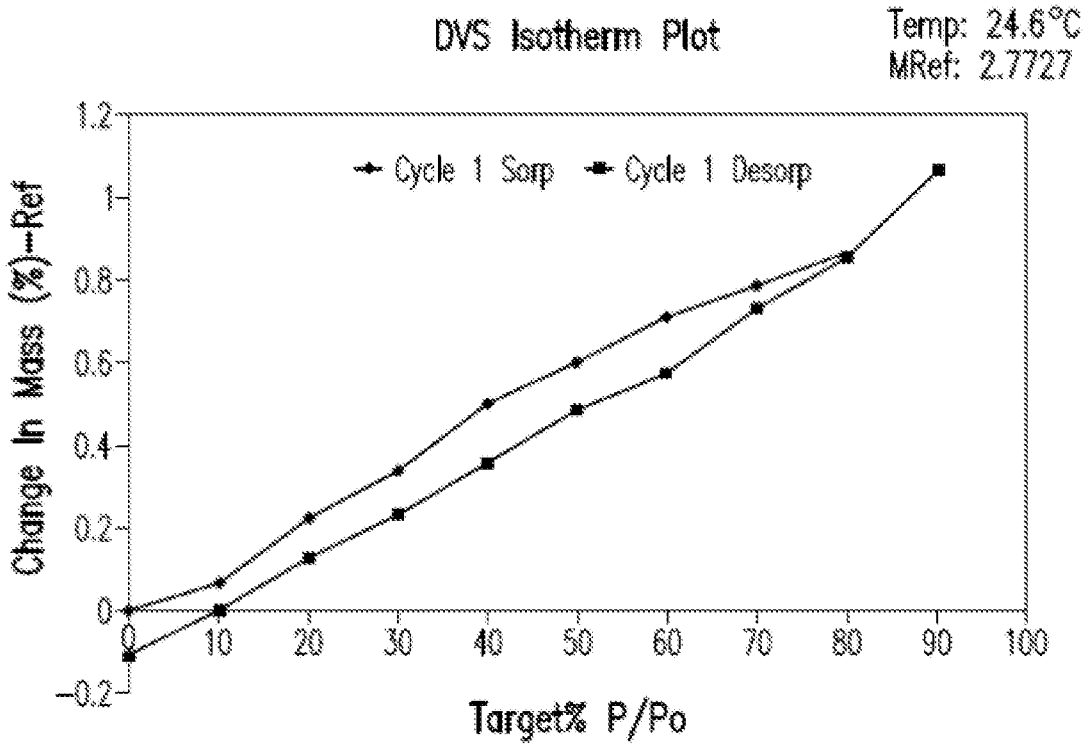

Onset temperature: 229.067 °C
Enthalpy (normalized): 117.7 J/g
Peak temperature: 231.871 °C
Ramp 10.00 °C/min to 300.00 °C
Exo Up
(°C)
mW
2
0
-2
-4
-6
-8
-10
-12
0
50
100
150
200
250
300

FIG. 5



	Target % P/Po	Change In Mass (%)-ref Sorption	Desorption	Hysteresis
Cycle 1	0.0	-0.004	-0.111	
	10.0	0.063	-0.002	-0.066
	20.0	0.221	0.126	-0.094
	30.0	0.339	0.231	-0.108
	40.0	0.509	0.360	-0.149
	50.0	0.614	0.496	-0.118
	60.0	0.726	0.586	-0.139
	70.0	0.808	0.751	-0.057
	80.0	0.887	0.880	-0.007
	90.0	1.099	1.099	

FIG. 6

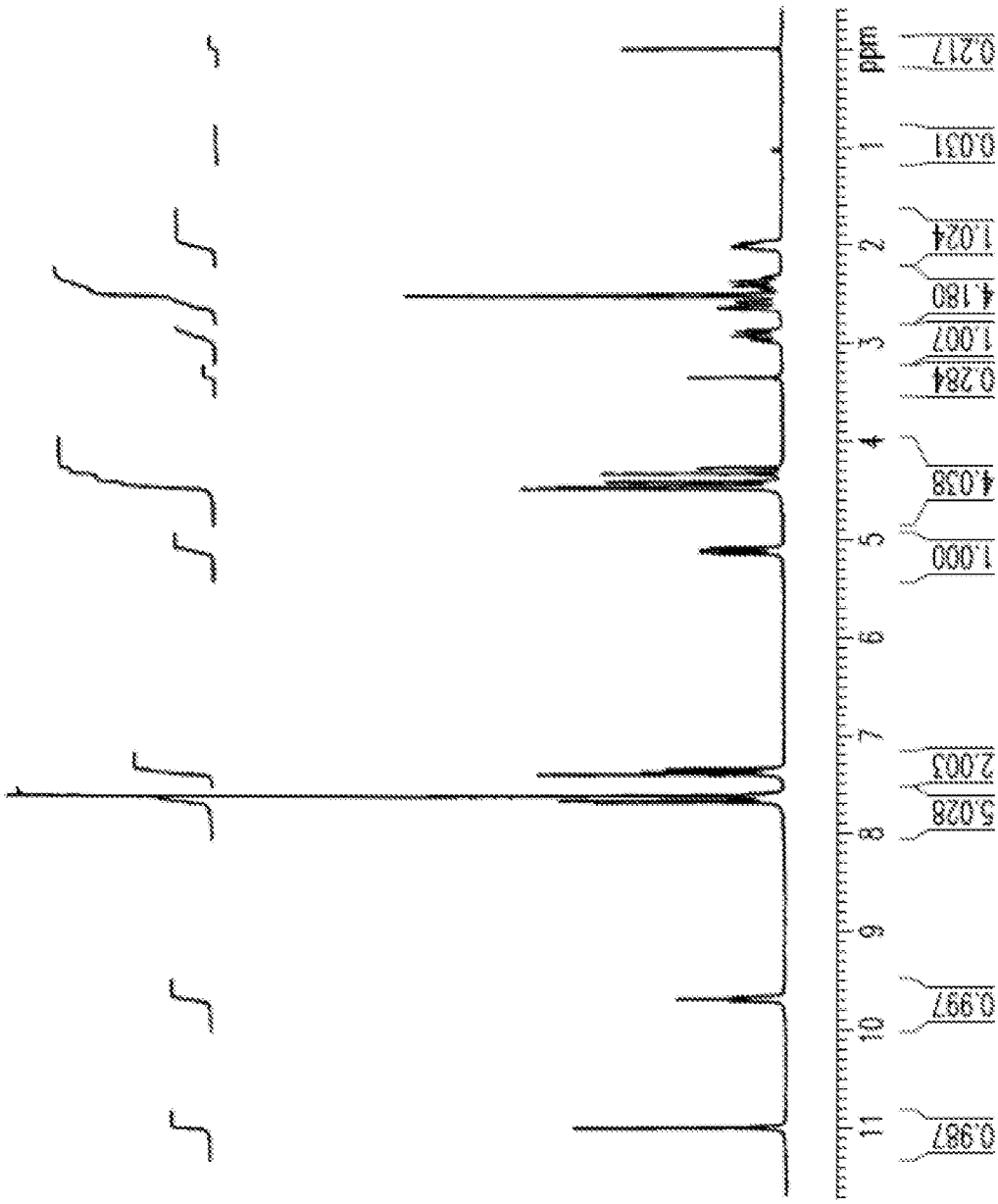

0.217
0.031
1.024
4.180
1.007
0.284
4.038
1.000
2.003
5.028
0.997
0.987
ppm
1
2
3
4
5
6
7
8
9
10
11

FIG. 7

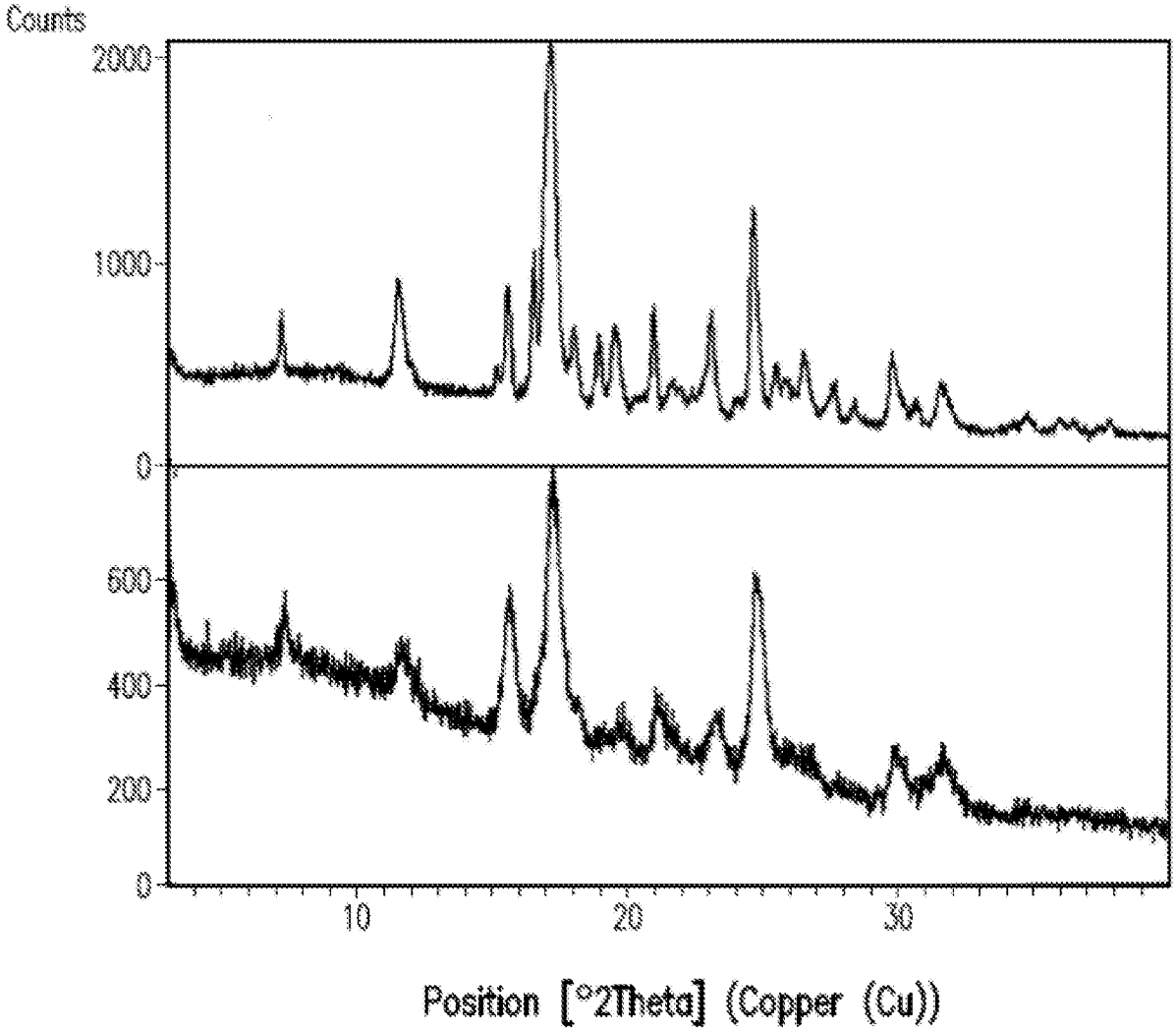

Counts
2000
1000
0
600
400
200
0
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 8

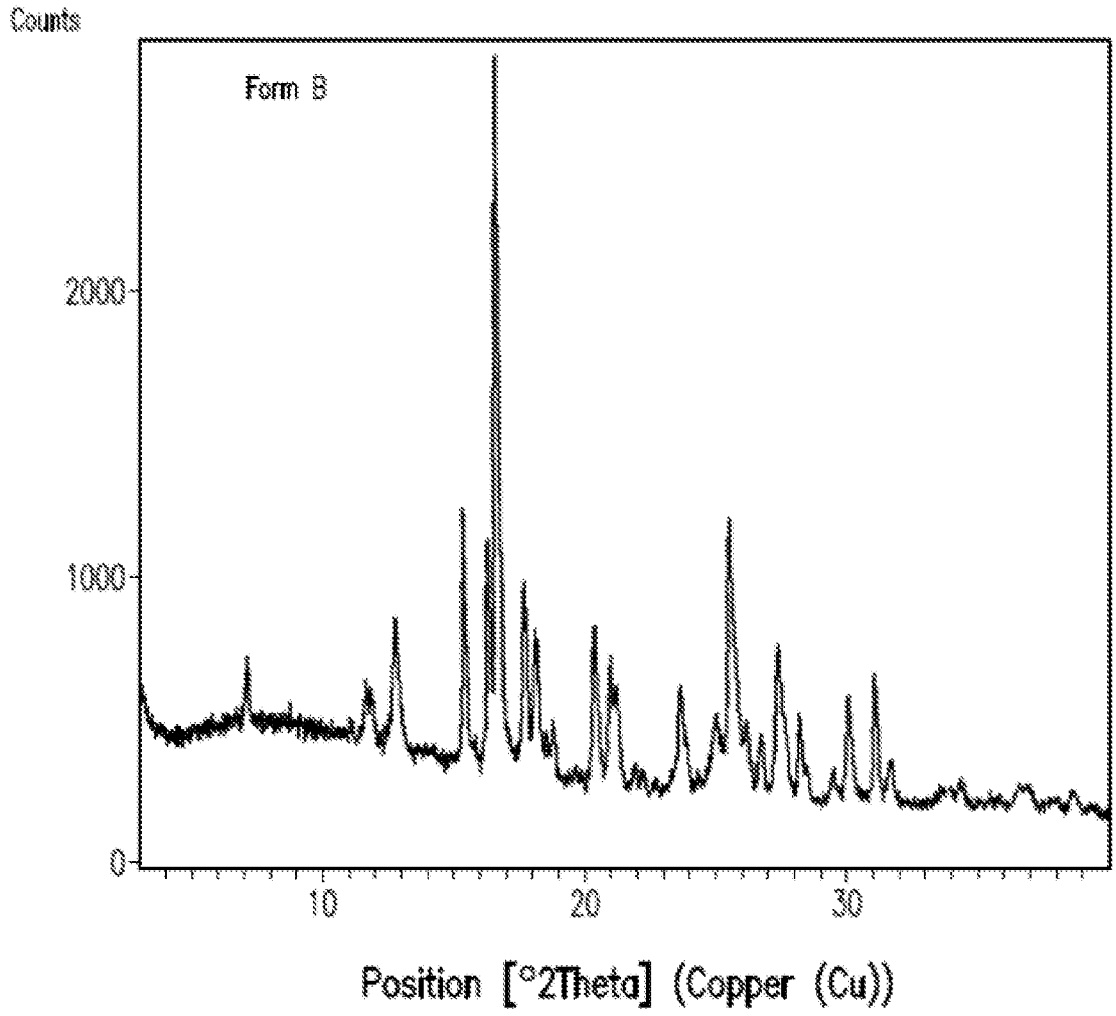


FIG. 9

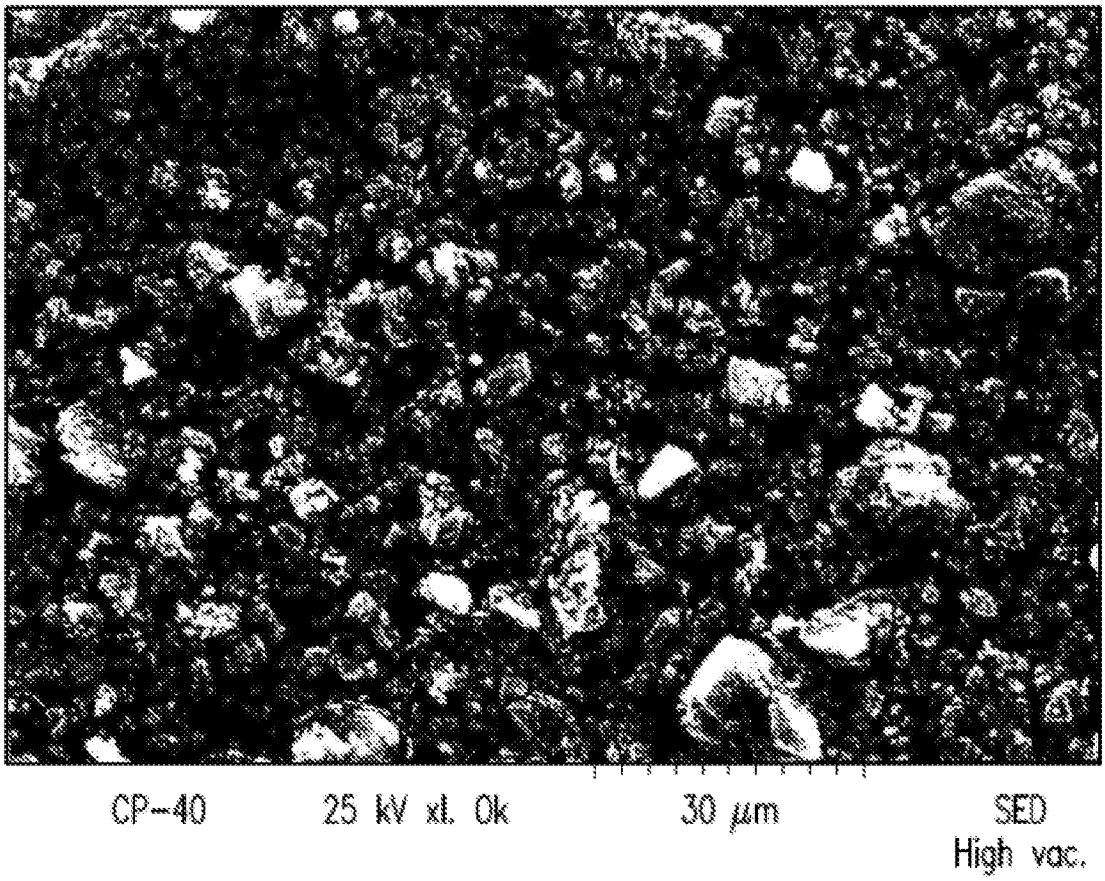


FIG. 10

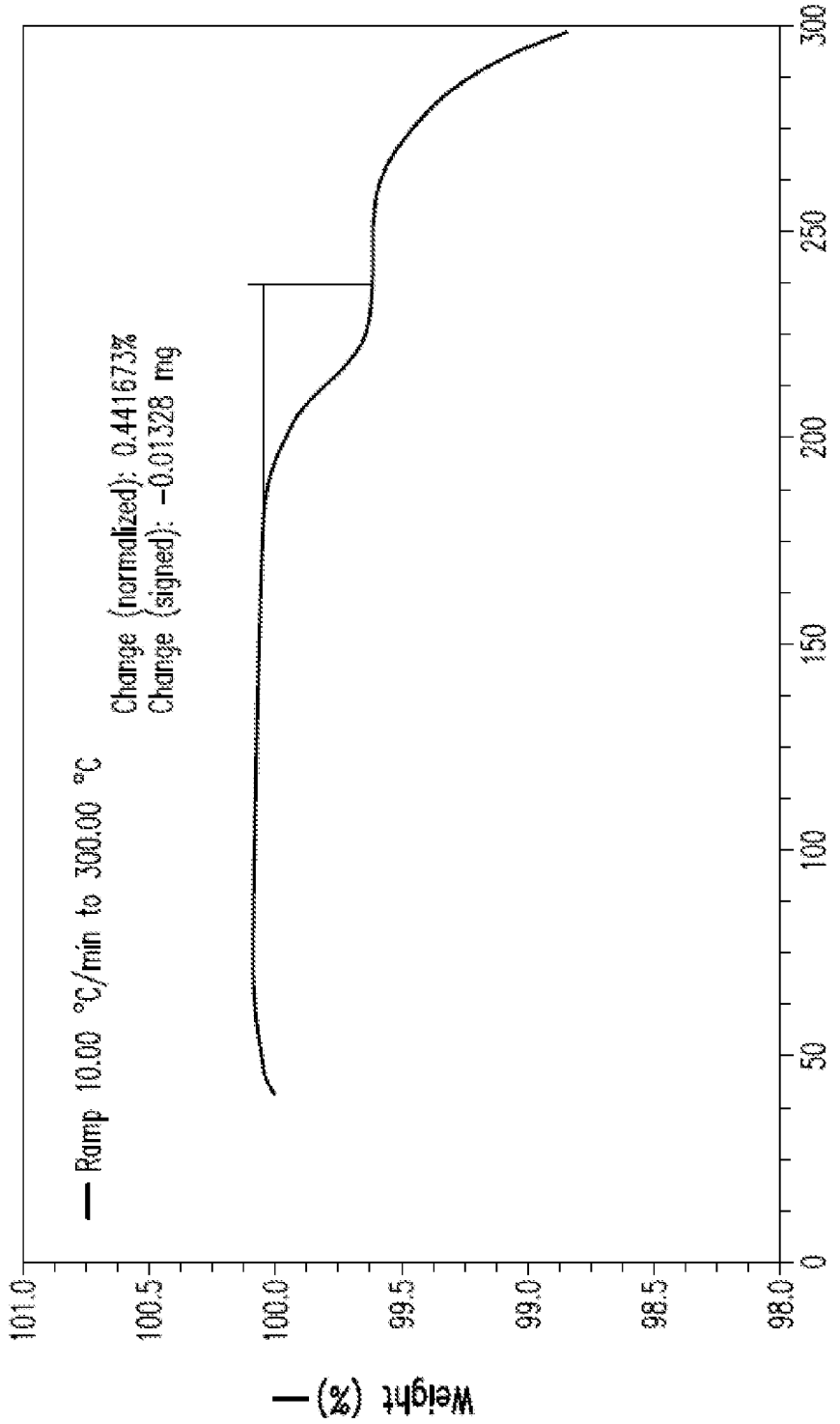

Ramp 10.00 °C/min to 300.00 °C
Change (normalized): 0.441673%
Change (signed): -0.01328 mg
Weight (%)
(°C)
101.0
100.5
100.0
99.5
99.0
98.5
98.0
0
50
100
150
200
250
300

FIG. 11

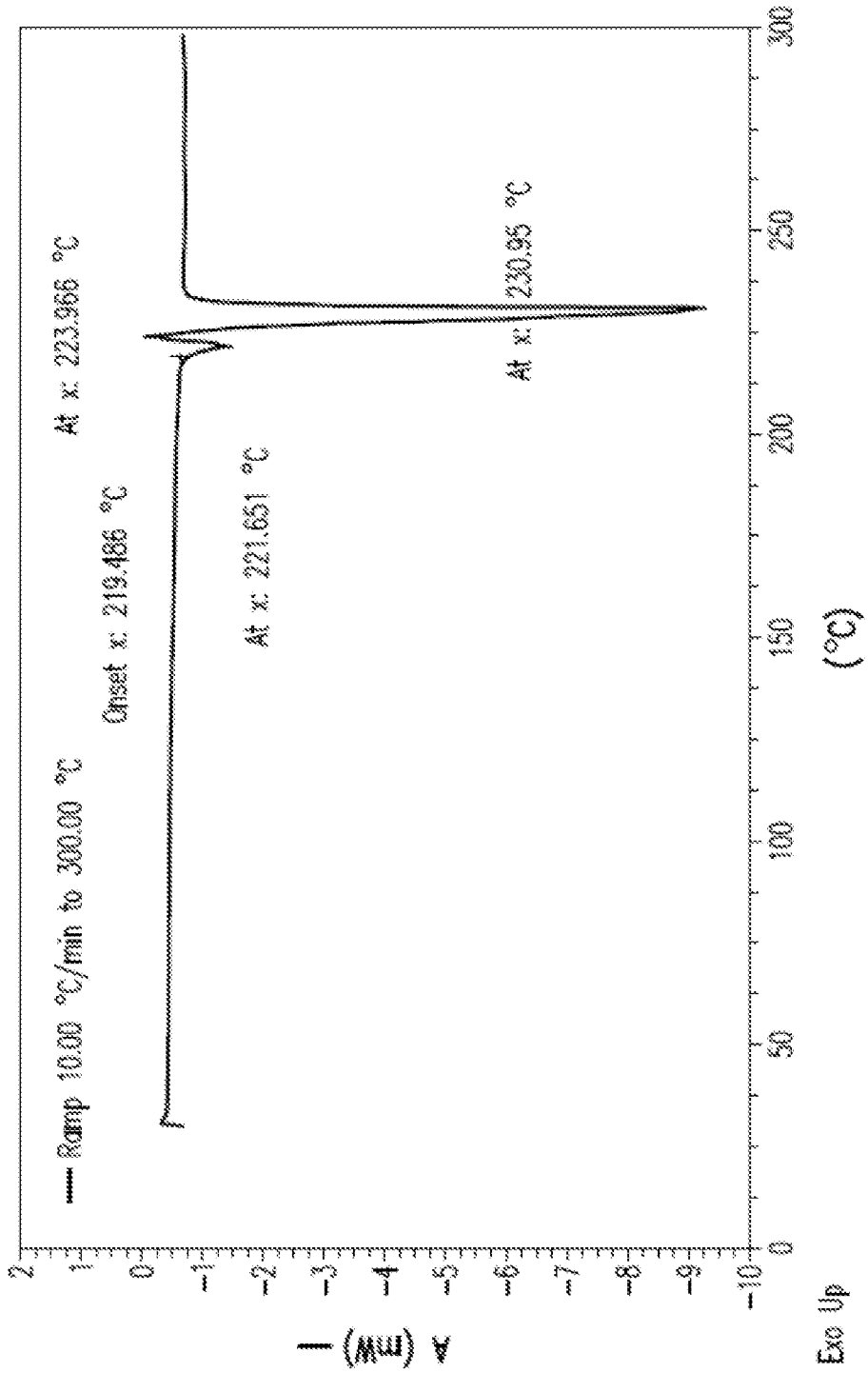
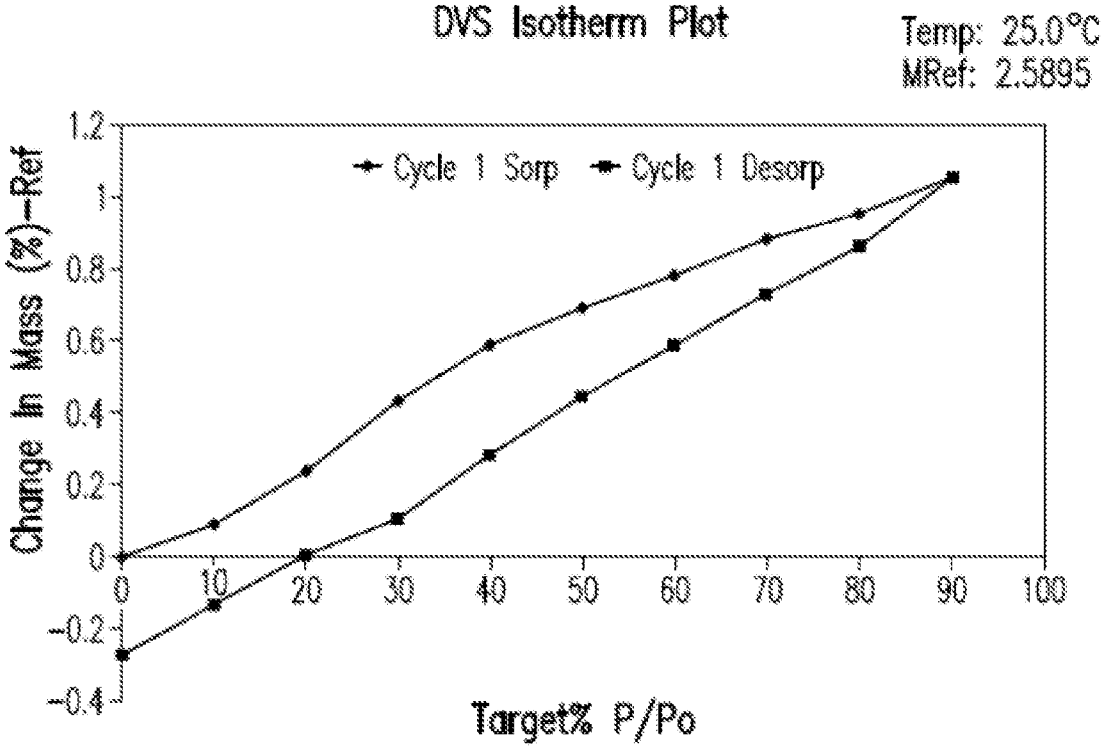

Ramp 10.00 °C/min to 300.00 °C
Onset x: 219.486 °C
At x: 223.966 °C
At x: 221.651 °C
At x: 230.95 °C
Exo Up
(°C)
A (mW)

FIG. 12



	Target % P/Po	Change In Mass (%)-ref Sorption	Desorption	Hysteresis
Cycle 1	0.0	0.000	-0.270	
	10.0	0.093	-0.120	-0.213
	20.0	0.241	0.009	-0.232
	30.0	0.439	0.112	-0.327
	40.0	0.595	0.292	-0.303
	50.0	0.700	0.456	-0.244
	60.0	0.798	0.599	-0.198
	70.0	0.903	0.748	-0.154
	80.0	0.977	0.886	-0.091
	90.0	1.085	1.085	

FIG. 13

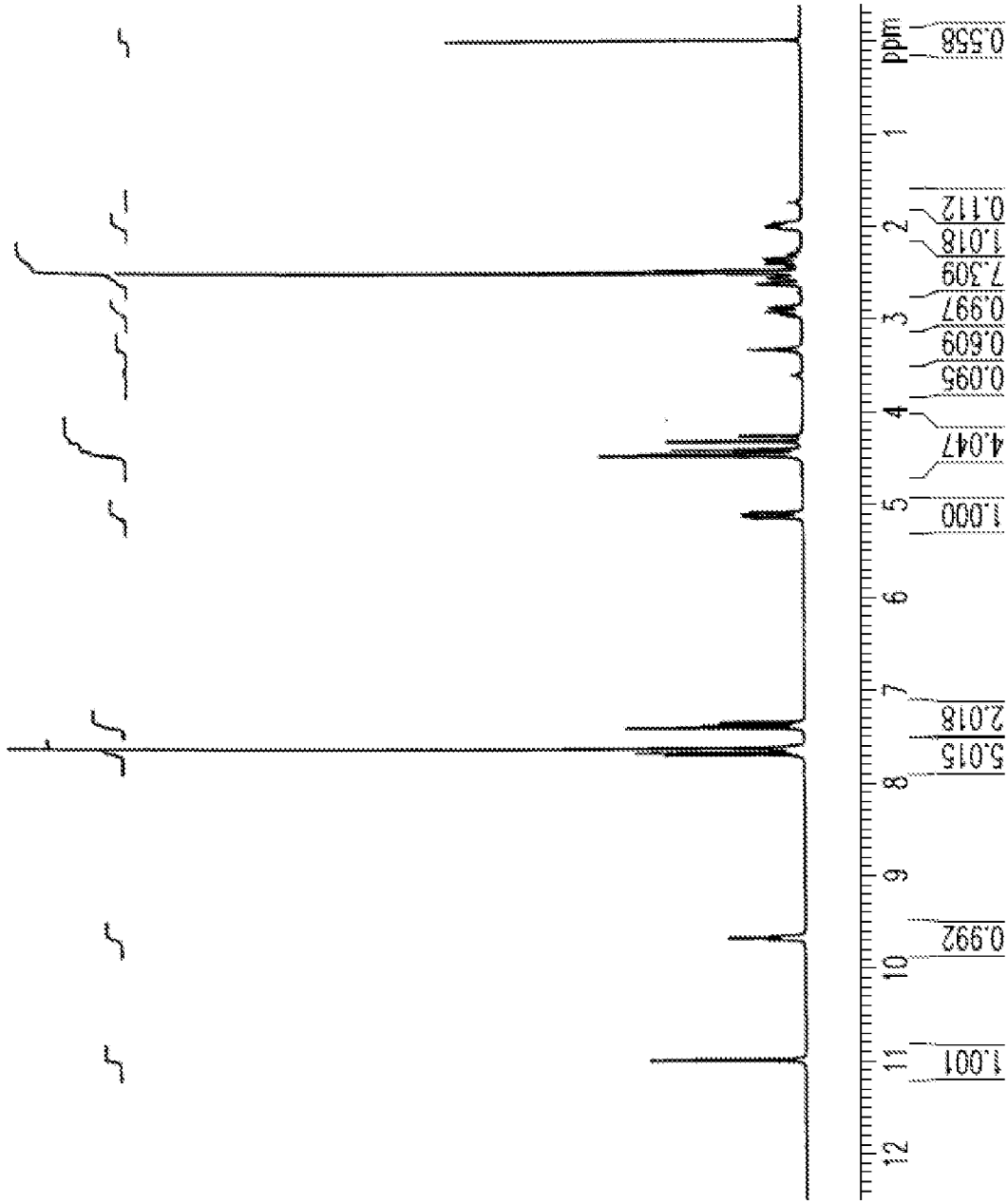

ppm
0.558
0.112
1.018
7.309
0.997
0.609
0.095
4.047
1.000
2.018
5.015
0.992
1.001

FIG. 14

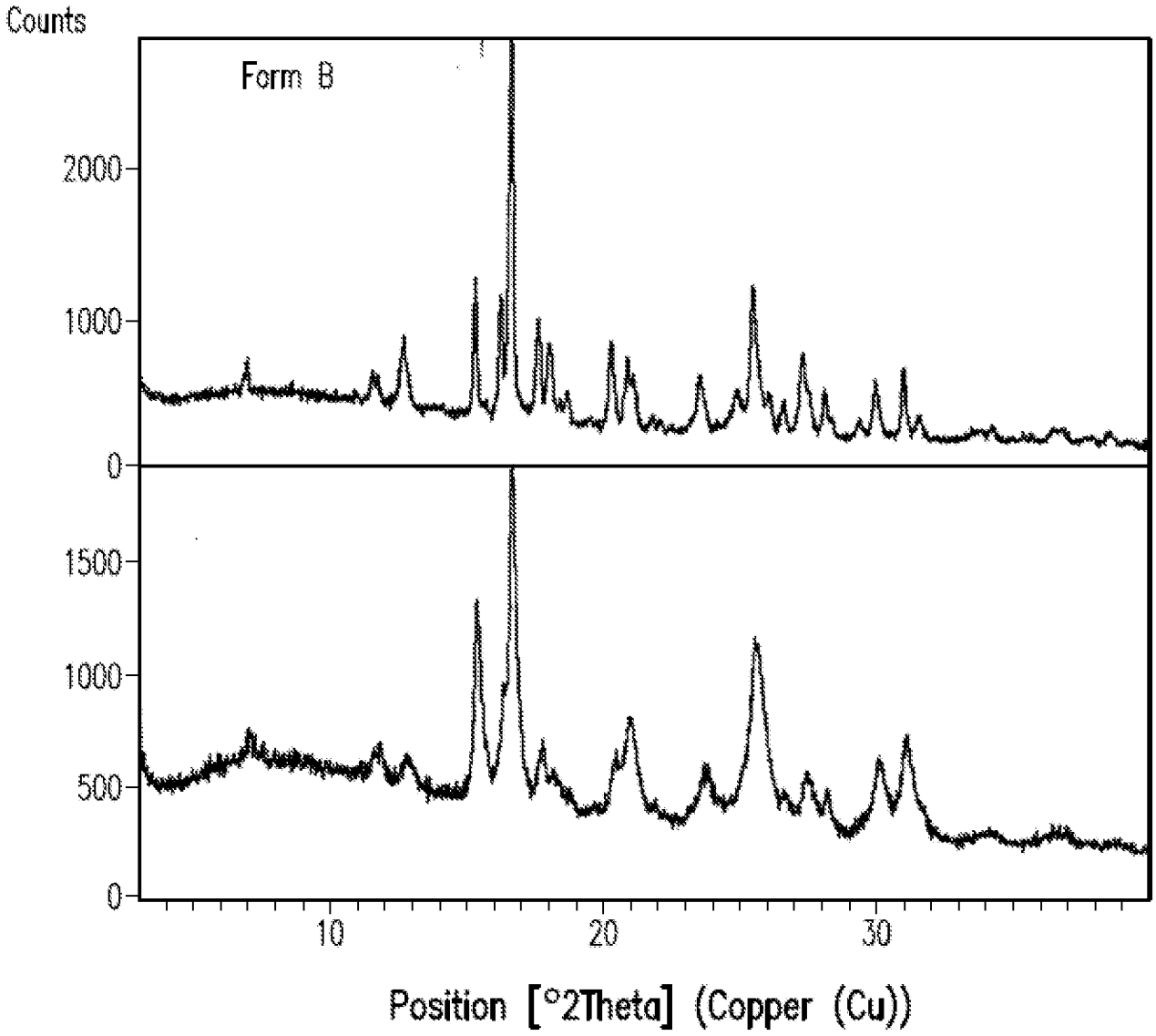

Counts
Form B
2000
1000
0
1500
1000
500
0
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 15

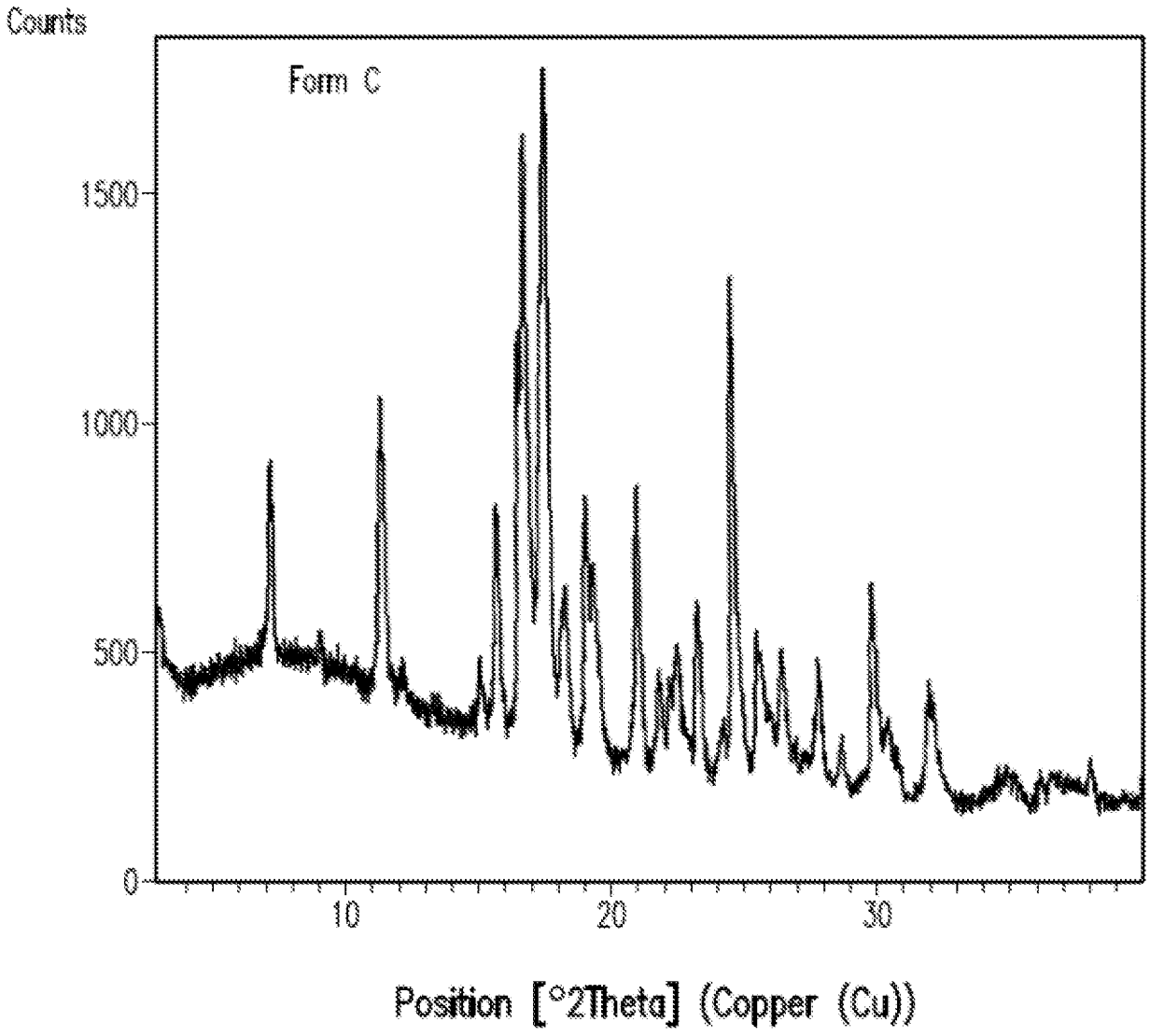

Counts
Form C
1500
1000
500
0
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 16

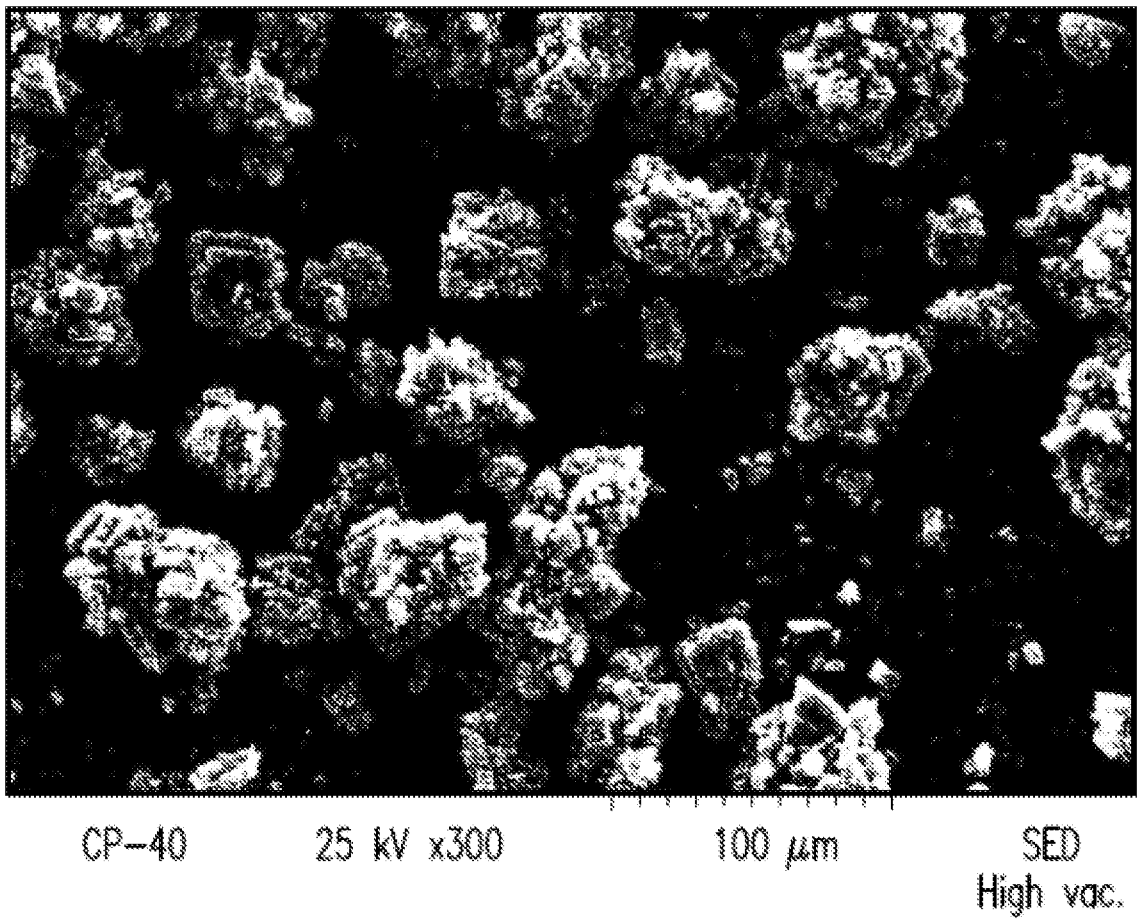


FIG. 17

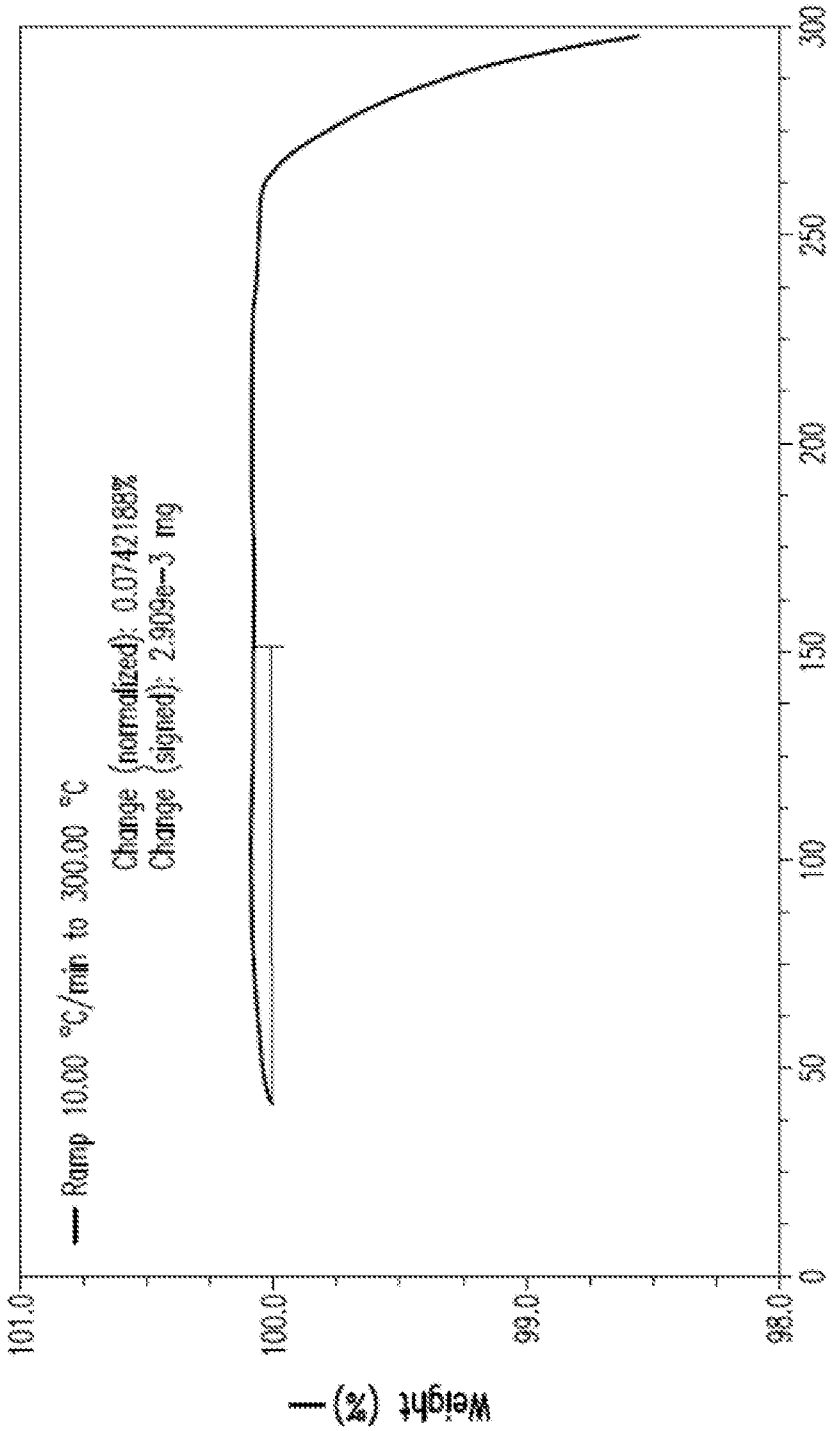

Ramp 10.00 °C/min to 300.00 °C
Change (normalized): 0.0742188%
Change (signed): 2.909e-3 mg
Weight (%)
101.0
100.0
99.0
98.0
0
50
100
150
200
250
300
(°C)

FIG. 18

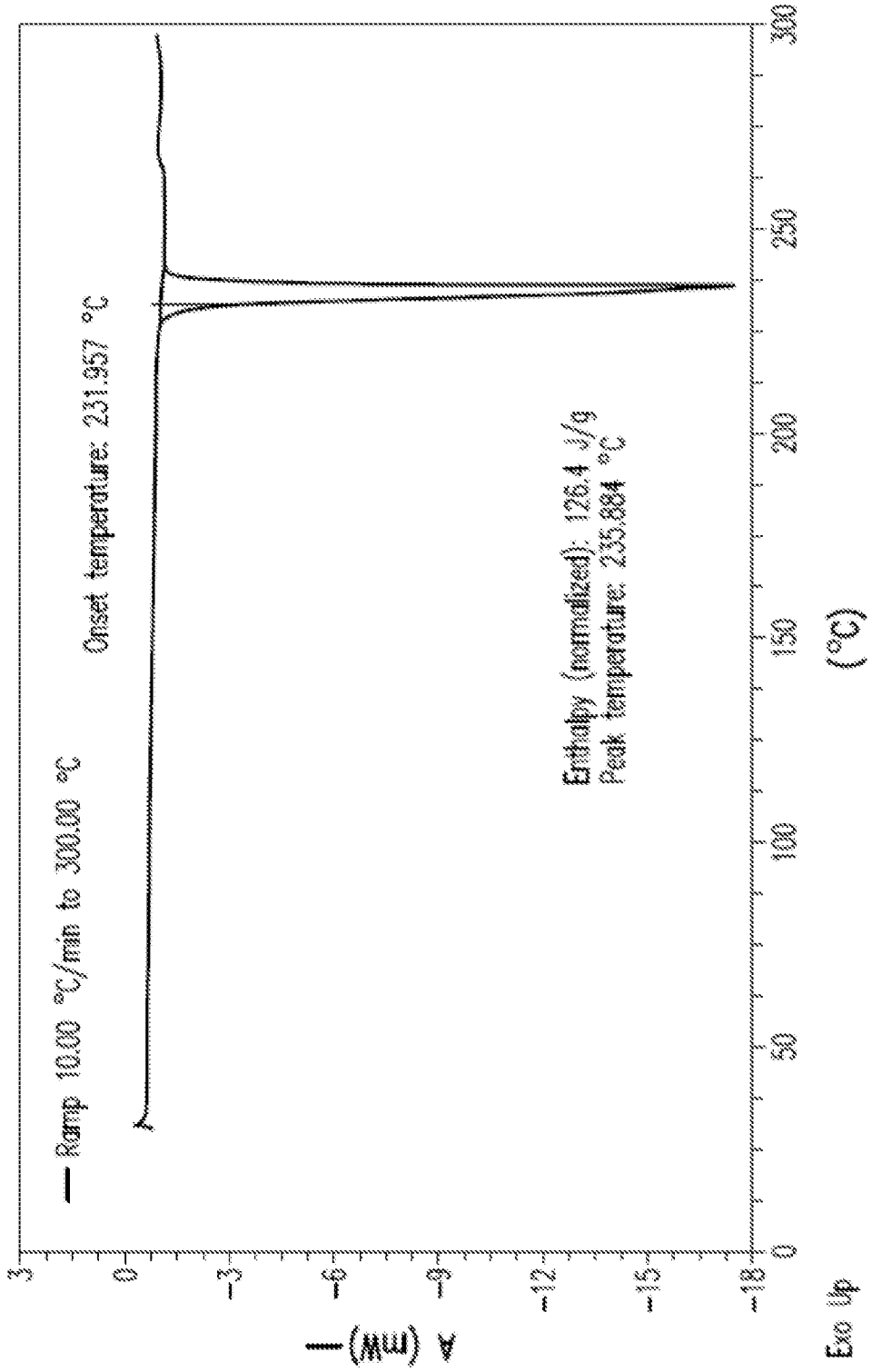
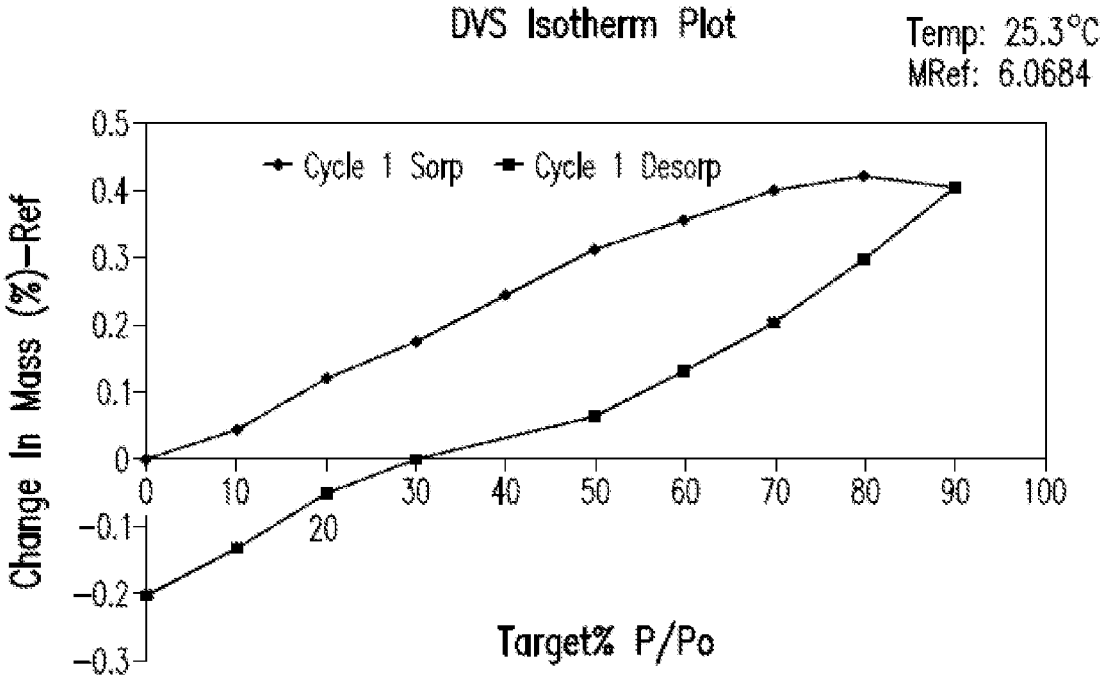

Ramp 10.00 °C/min to 300.00 °C
Onset temperature: 231.957 °C
Enthalpy (normalized): 126.4 J/g
Peak temperature: 235.804 °C
Exo Up
(°C)
mW
300
250
200
150
100
50
0
3
0
-3
-6
-9
-12
-15
-18

FIG. 19



	Target % P/Po	Change In Mass (%)-ref Sorption	Desorption	Hysteresis
Cycle 1	0.0	−0.0020	−0.2070	
	10.0	0.0409	−0.1368	−0.1776
	20.0	0.1186	0.0547	−0.1734
	30.0	0.1730	0.0049	−0.1780
	40.0	0.2409	0.0395	−0.2805
	50.0	0.3114	0.0606	−0.2508
	60.0	0.3559	0.1305	−0.2254
	70.0	0.4014	0.2027	−0.1987
	80.0	0.4235	0.2983	−0.1252
	90.0	0.4087	0.4087	

FIG. 20

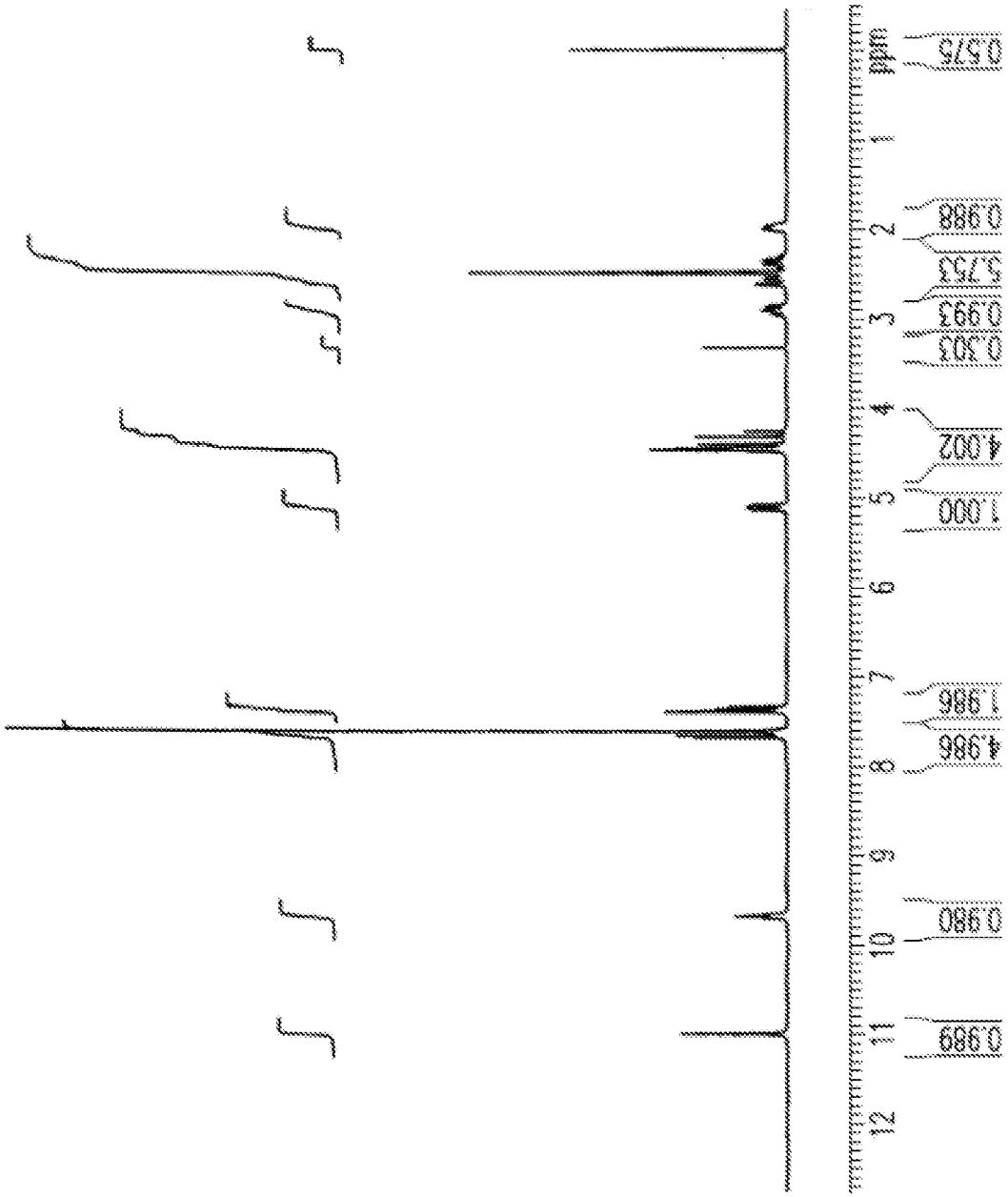


FIG. 21

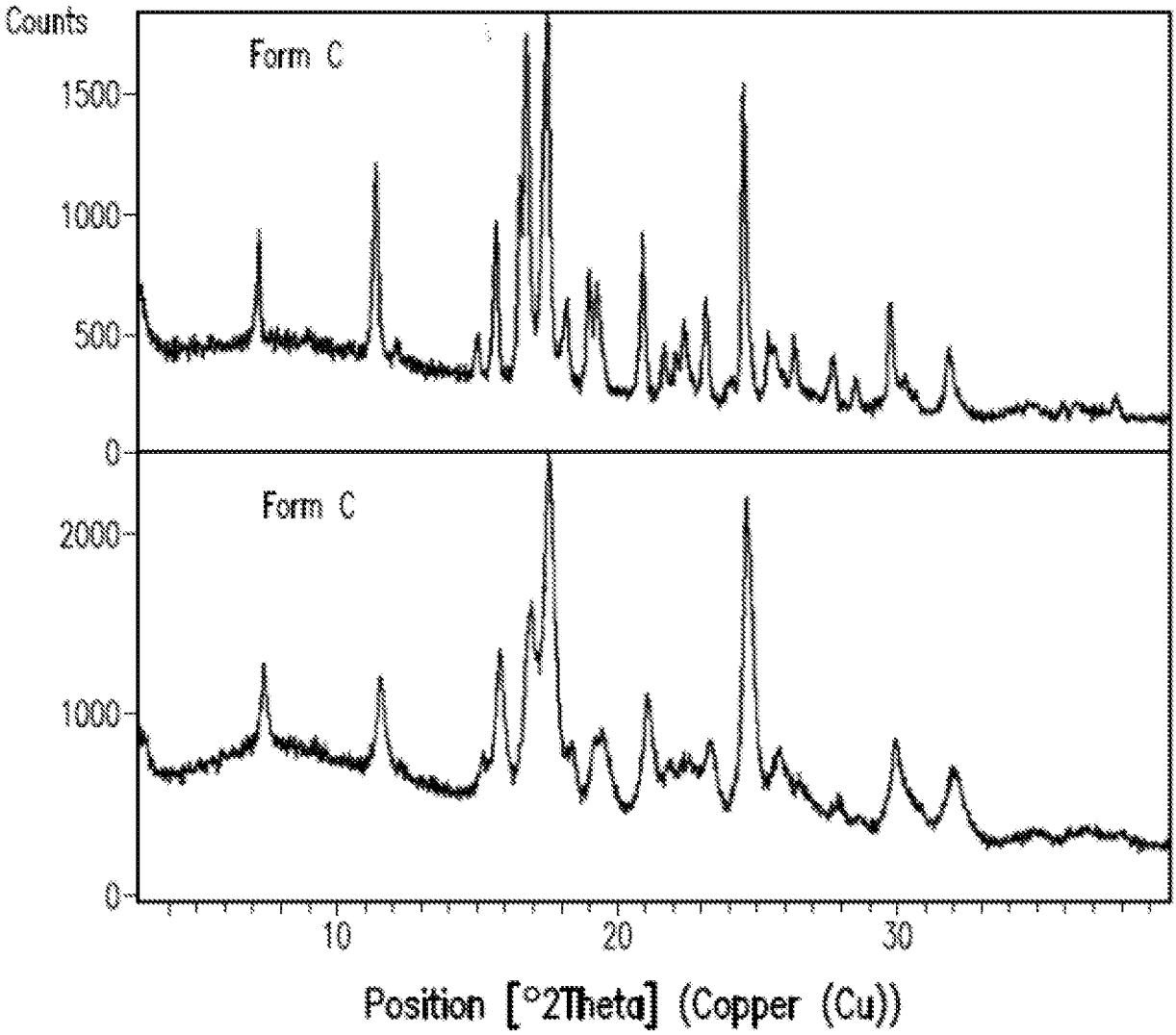

Counts
Form C
1500
1000
500
0
Form C
2000
1000
0
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 22

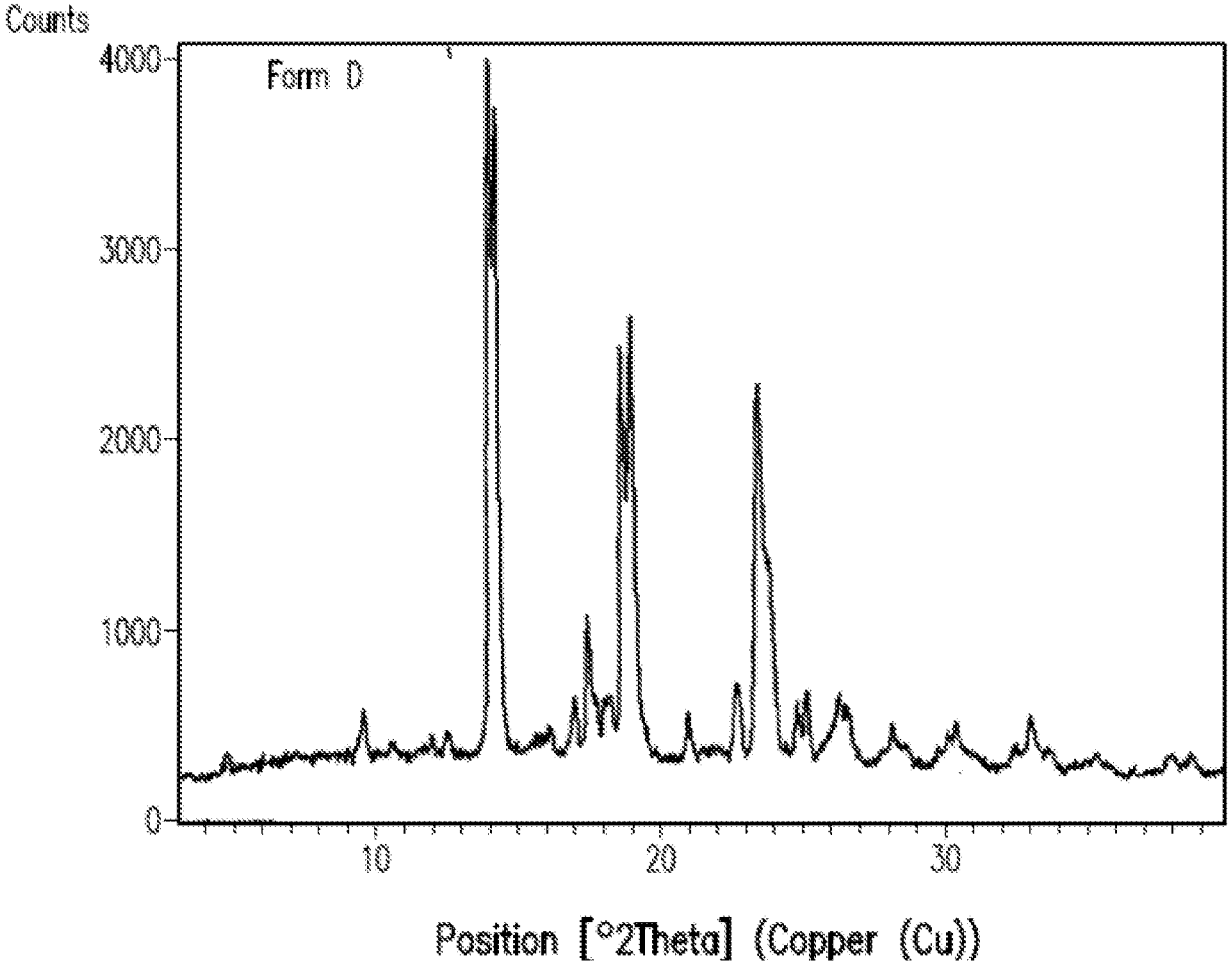

Counts
4000
3000
2000
1000
0
Form D
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 23

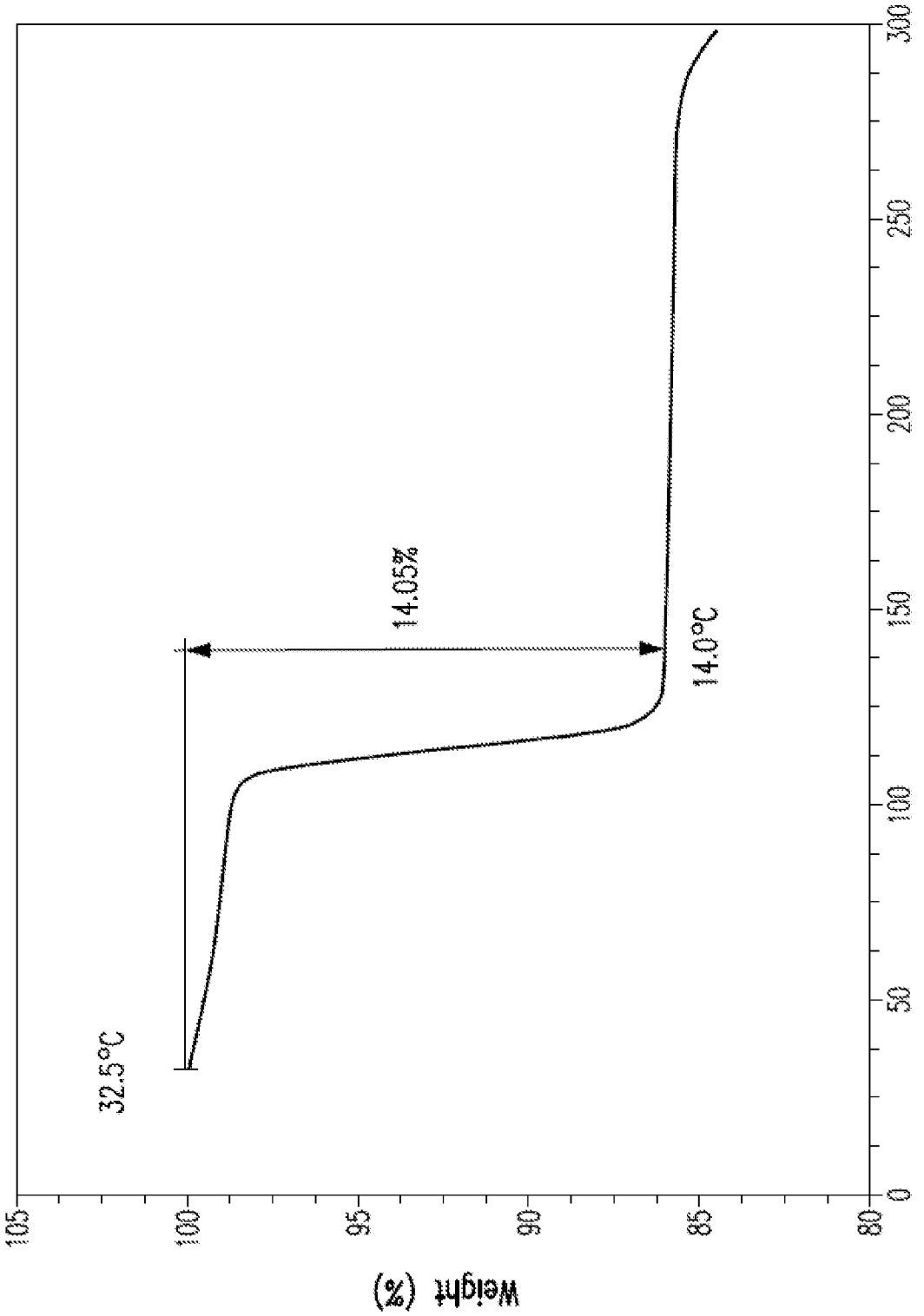

105
100
95
90
85
80
0
50
100
150
200
250
300
Weight (%)
Temperature (°C)
32.5°C
14.05%
14.0°C

FIG. 24

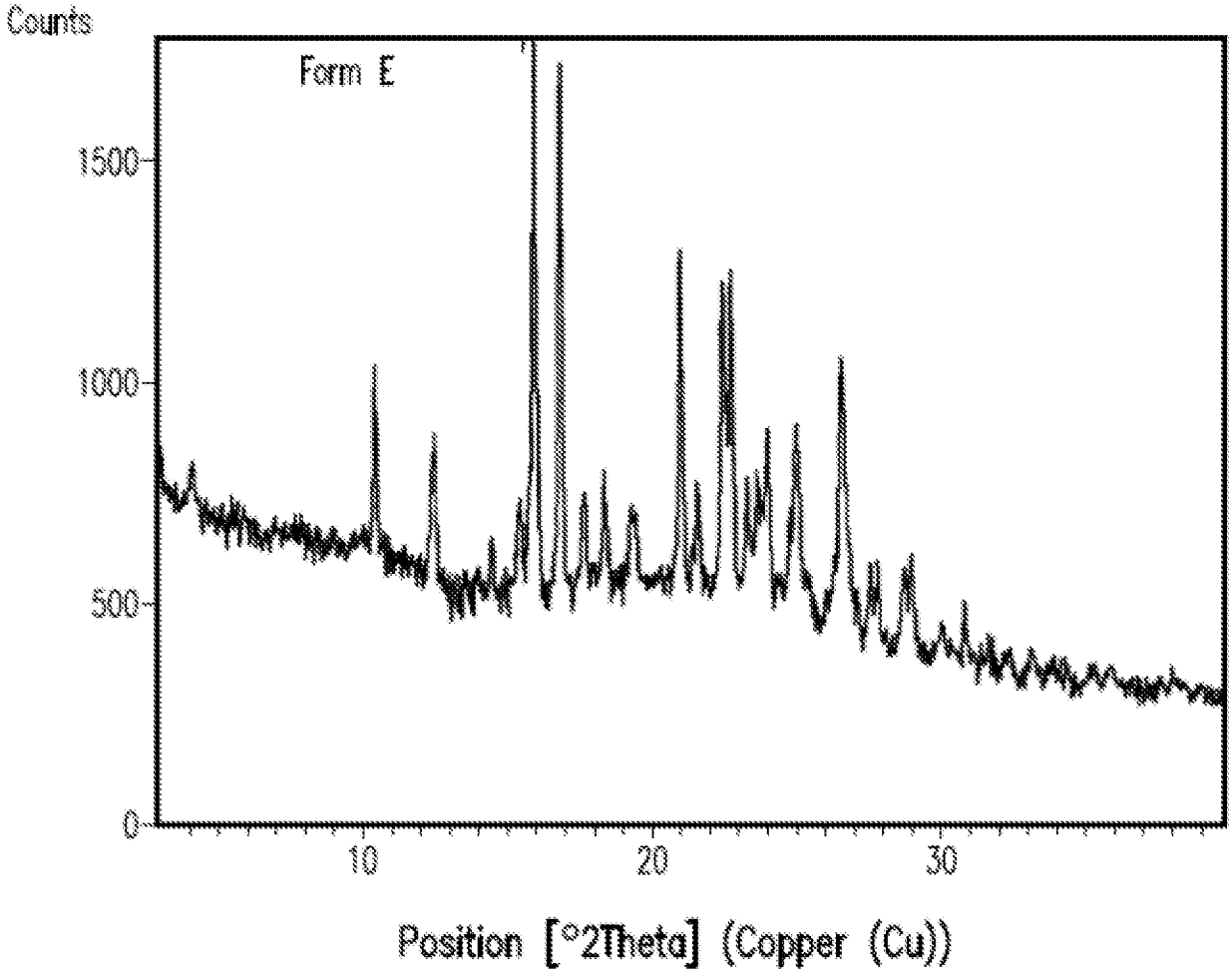

Counts
Form E
1500
1000
500
0
10
20
30
Position [°2Theta] (Copper (Cu))

FIG. 25

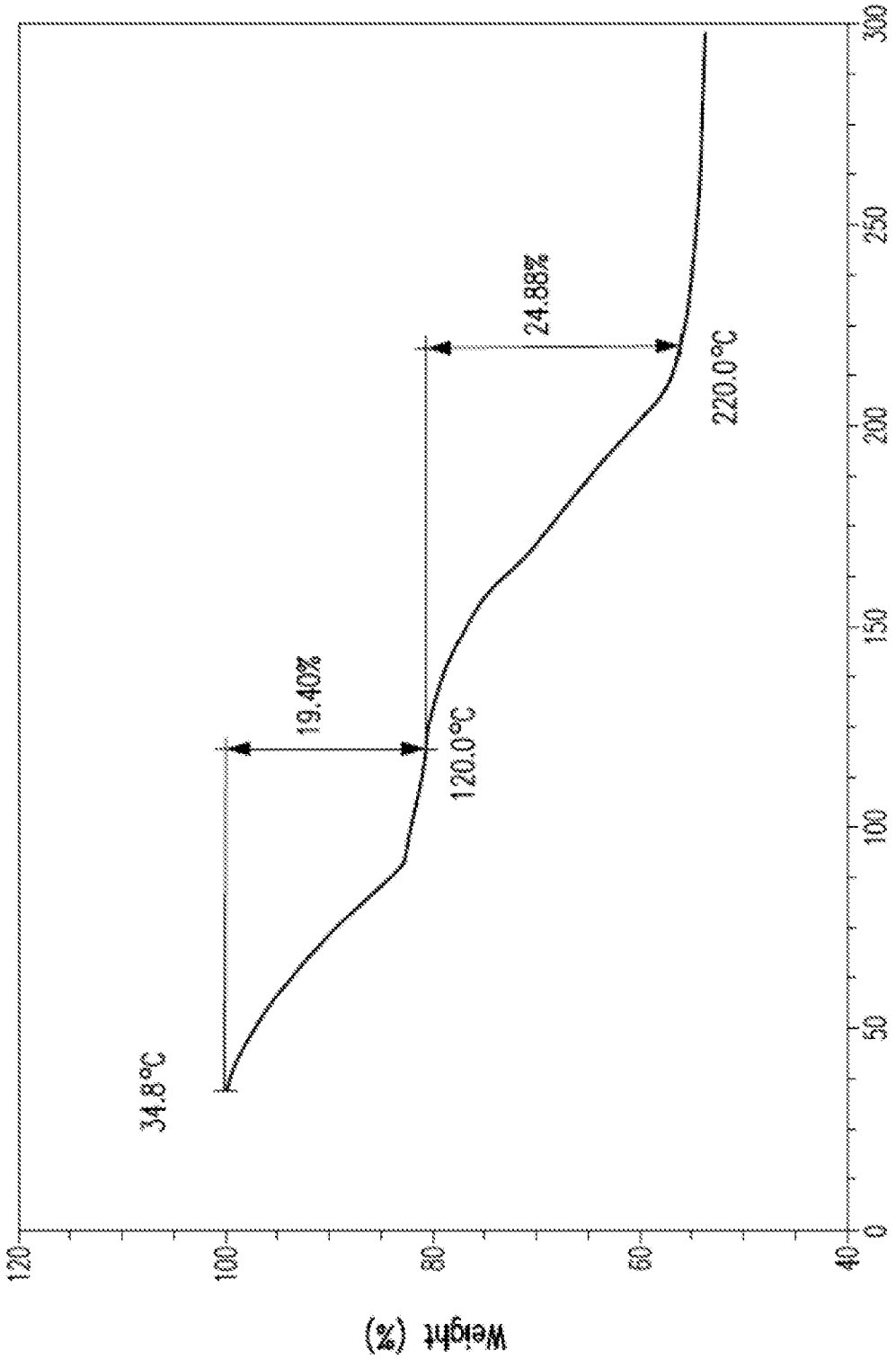

Weight (%)
120
100
80
60
40
0
50
100
150
200
250
300
Temperature (°C)
34.8°C
19.40%
120.0°C
24.88%
220.0°C

FIG. 26

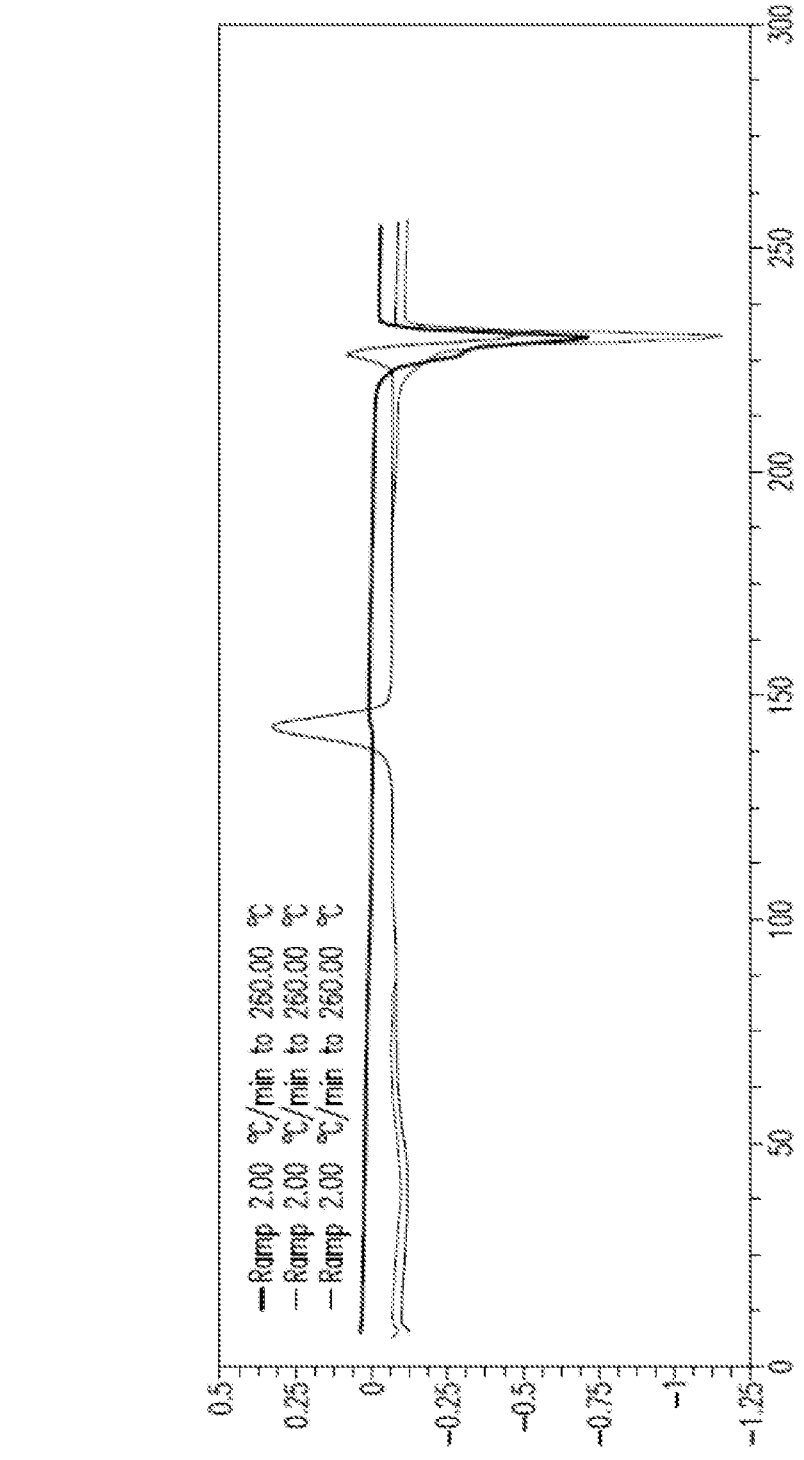

Ramp 2.00 °C/min to 260.00 °C
Ramp 2.00 °C/min to 260.00 °C
Ramp 2.00 °C/min to 260.00 °C
0.5
0.25
0
-0.25
-0.5
-0.75
-1
-1.25
0
50
100
150
200
250
300
Temperature (°C)
Reversing Heat Flow (mW)- Non-Reversing Heat Flow Am (mW)-
Total Heat Flow A (mW)-

FIG. 27

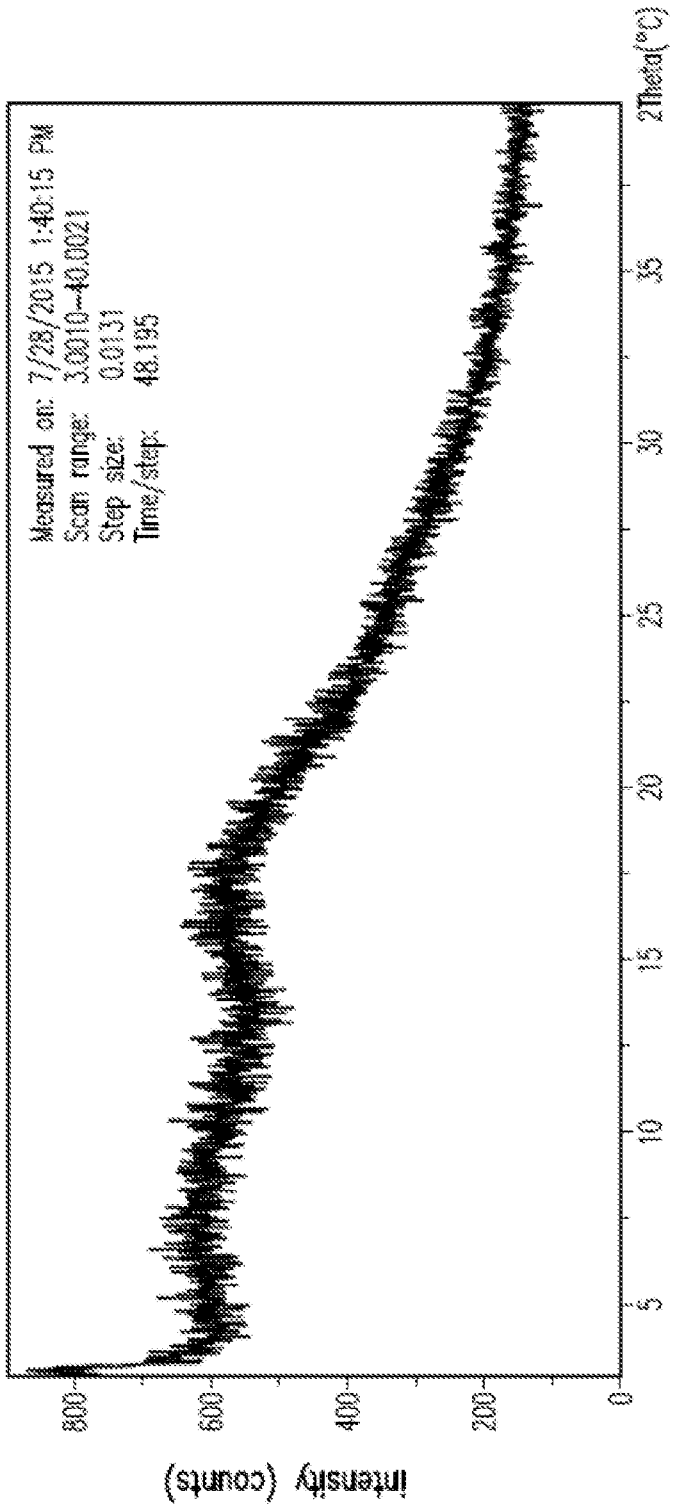

Measured on: 7/28/2015 1:40:15 PM
Scan range: 3.0010--40.0021
Step size: 0.0131
Time/step: 48.195
Intensity (counts)
2Theta(°C)
800
600
400
200
0
5
10
15
20
25
30
35

FIG. 28

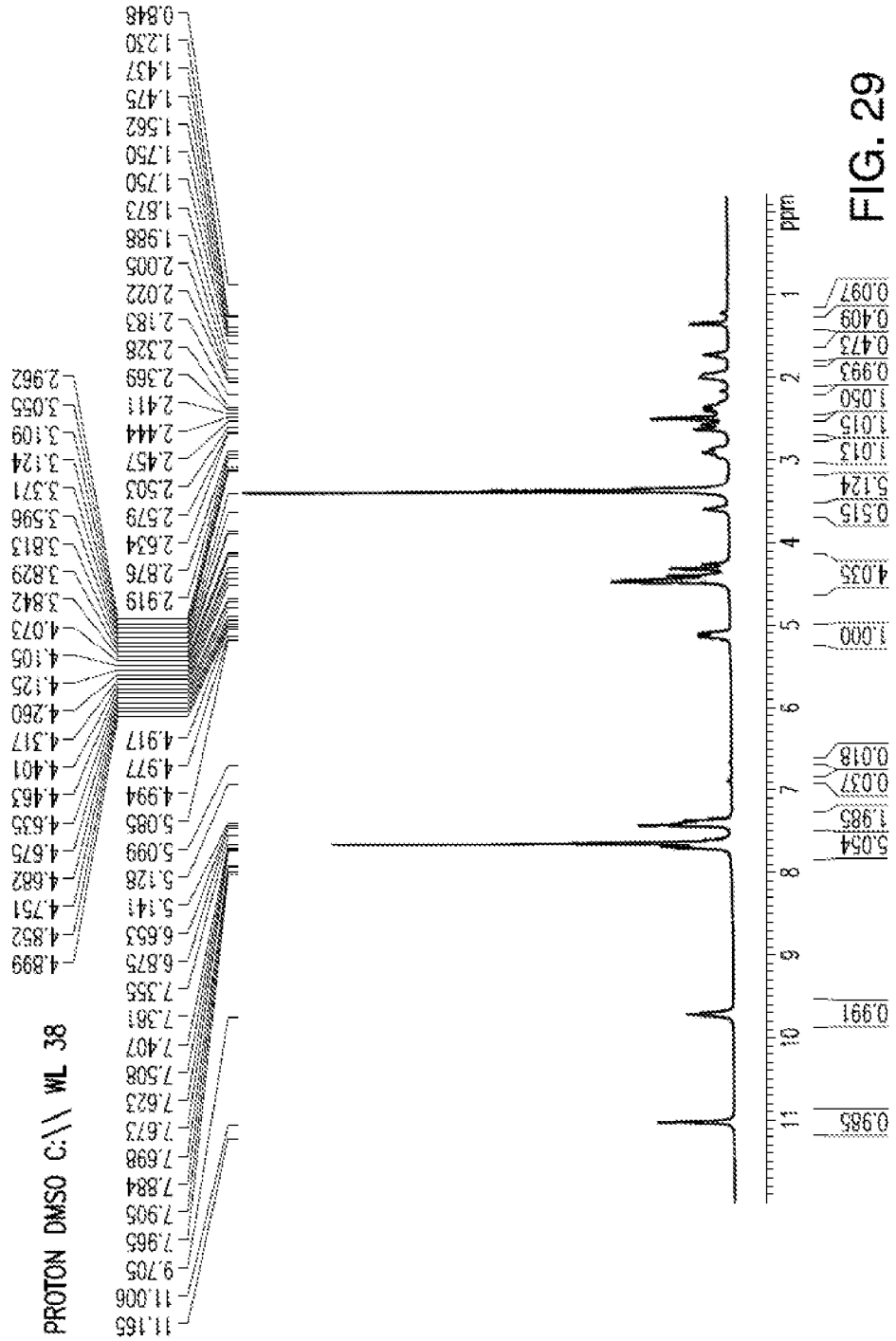

PROTON DMSO C:\\ WL 38
ppm
0.848
1.230
1.437
1.475
1.562
1.750
1.750
1.873
1.988
2.005
2.022
2.183
2.328
2.369
2.411
2.444
2.457
2.503
2.579
2.634
2.876
2.919
3.073
3.105
3.125
3.260
3.317
3.401
3.463
3.535
3.675
3.682
3.751
3.852
3.899
4.073
4.105
4.125
4.260
4.317
4.401
4.463
4.535
4.675
4.682
4.751
4.852
4.899
4.917
4.977
4.994
5.085
5.099
5.128
5.141
6.653
6.875
7.355
7.361
7.407
7.508
7.623
7.673
7.698
7.884
7.905
7.965
9.705
11.006
11.165
0.097
0.409
0.473
0.993
1.050
1.015
1.013
5.124
0.515
4.035
1.000
0.018
0.037
1.985
5.054
0.991
0.985

FIG. 29

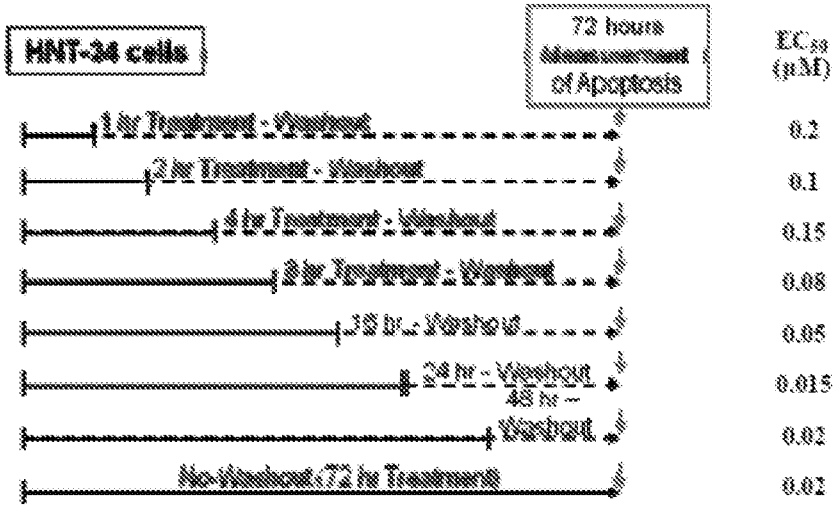


FIG. 30A

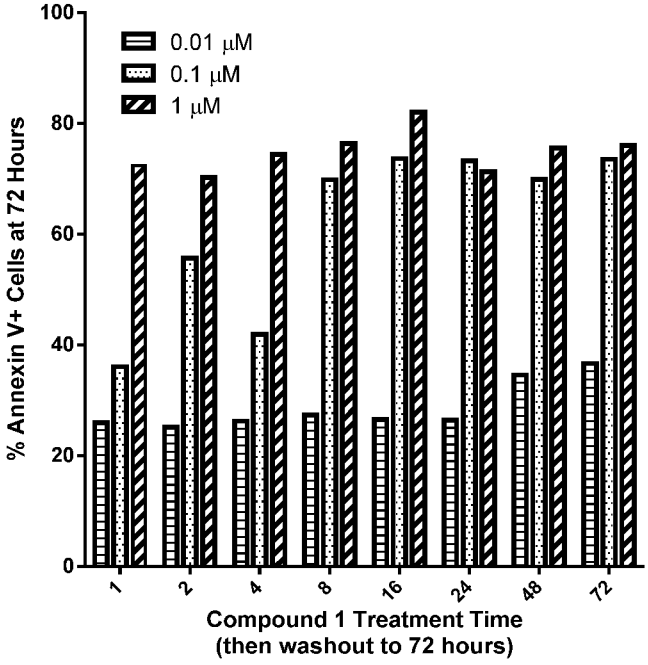


FIG. 30B

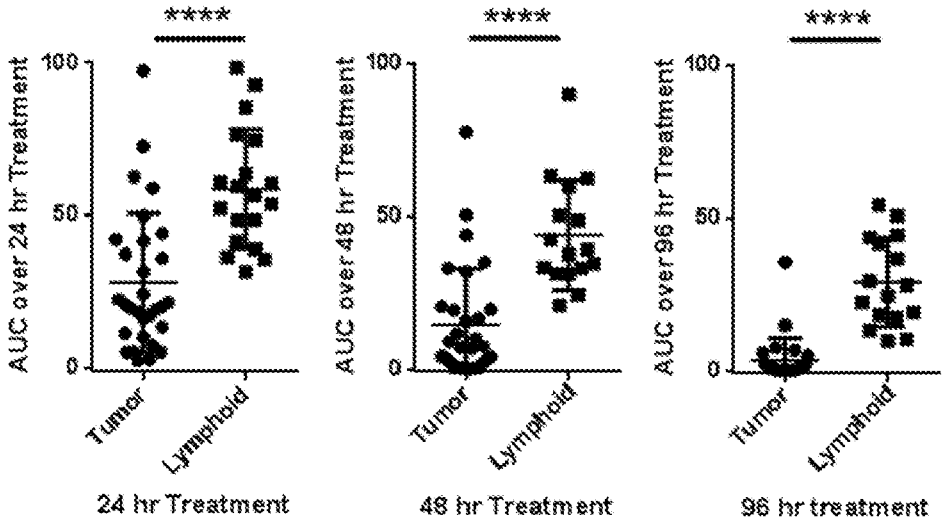

****
AUC over 24 hr Treatment
100
50
0
Tumor
Lymphoid
24 hr Treatment
****
AUC over 48 hr Treatment
100
50
0
Tumor
Lymphoid
48 hr Treatment
****
AUC over 96 hr Treatment
100
50
0
Tumor
Lymphoid
96 hr treatment

FIG. 31

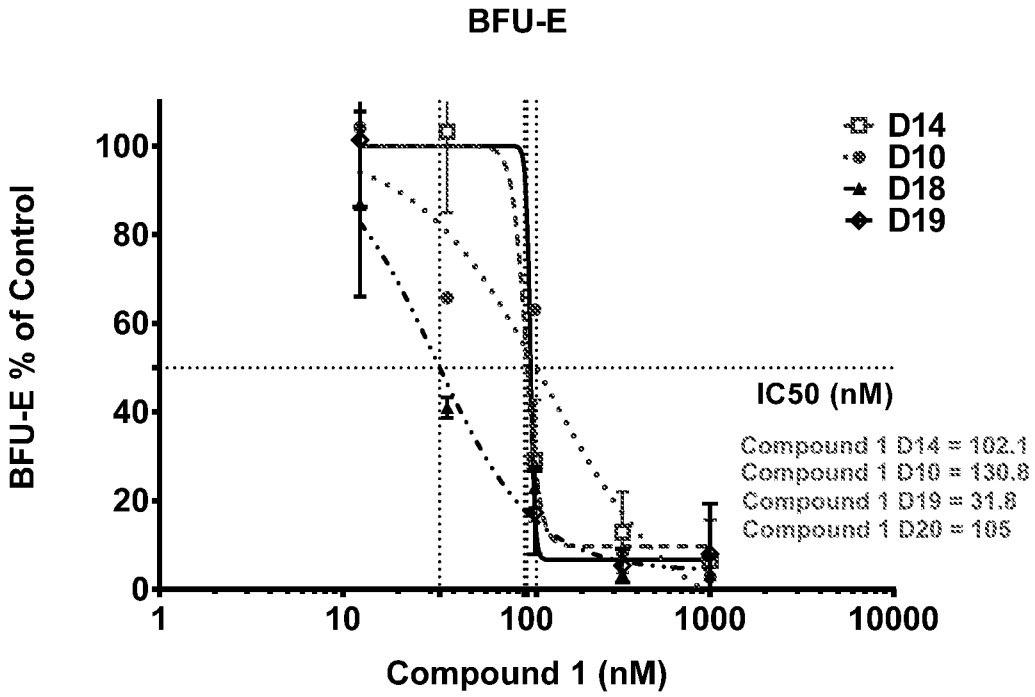

BFU-E
BFU-E % of Control
100
80
60
40
20
0
1
10
100
1000
10000
Compound 1 (nM)
D14
D10
D18
D19
IC50 (nM)
Compound 1 D14 = 102.1
Compound 1 D10 = 130.8
Compound 1 D19 = 31.8
Compound 1 D20 = 105

FIG. 32

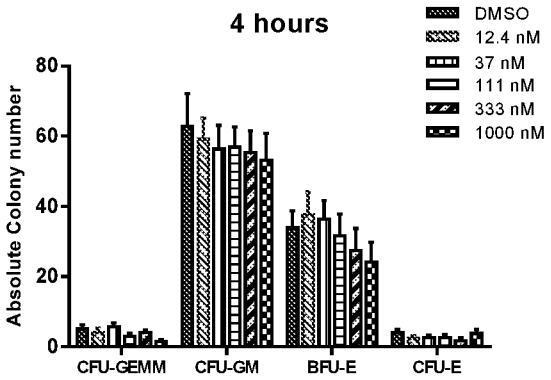


FIG. 33A

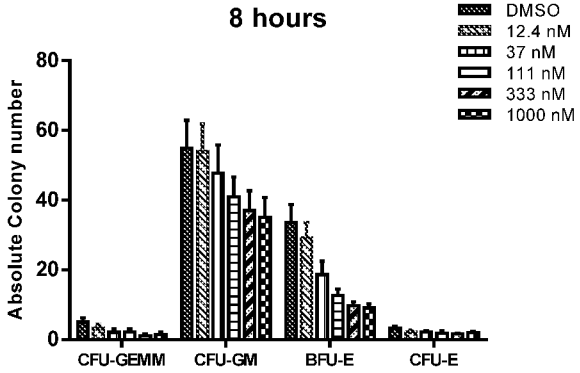


FIG. 33B

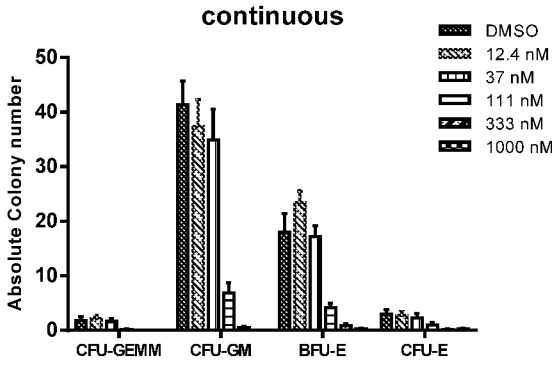


FIG. 33C

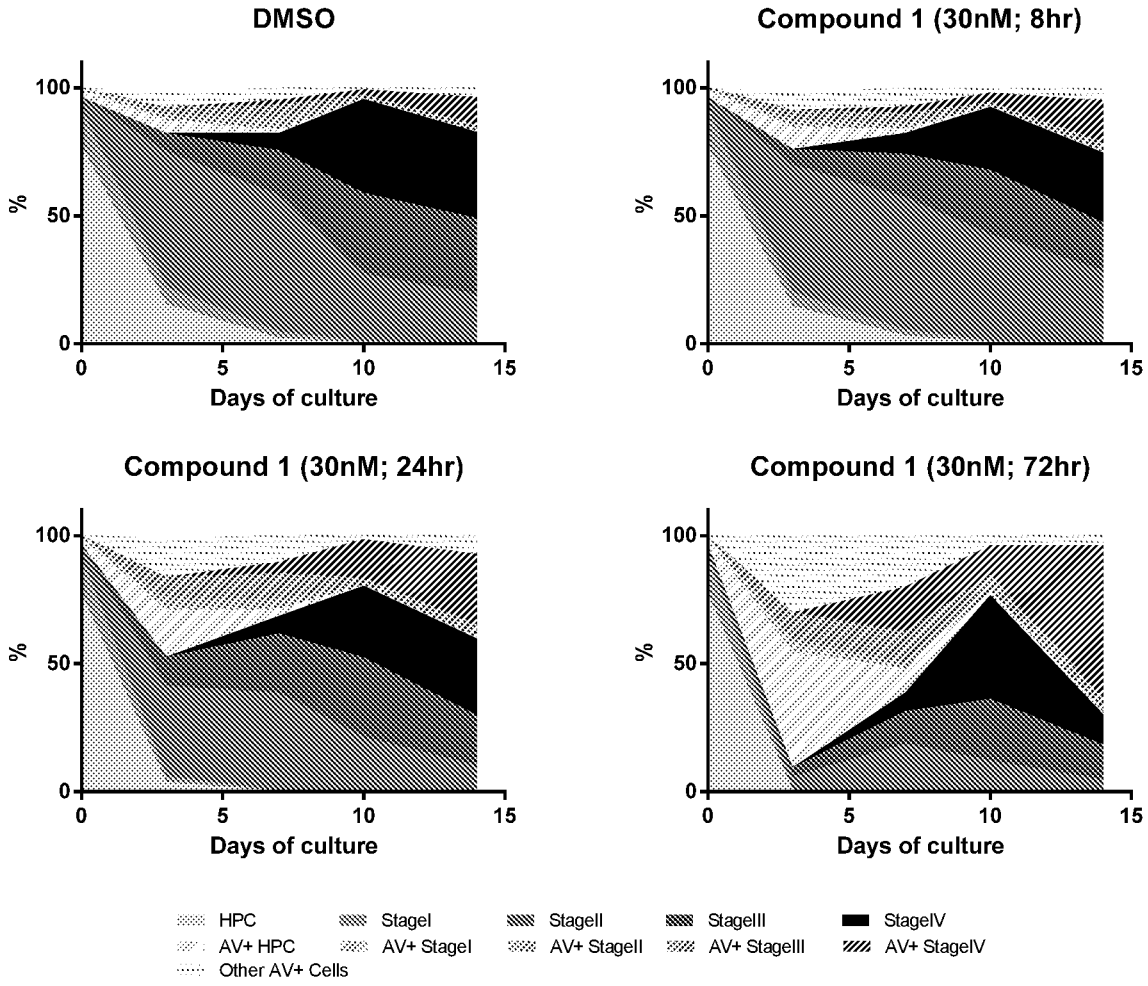

DMSO
Compound 1 (30nM; 8hr)
Compound 1 (30nM; 24hr)
Compound 1 (30nM; 72hr)
100
50
0
%
0
5
10
15
Days of culture
HPC
StageI
StageII
StageIII
StageIV
AV+ HPC
AV+ StageI
AV+ StageII
AV+ StageIII
AV+ StageIV
Other AV+ Cells

FIG. 34

Figure 35A

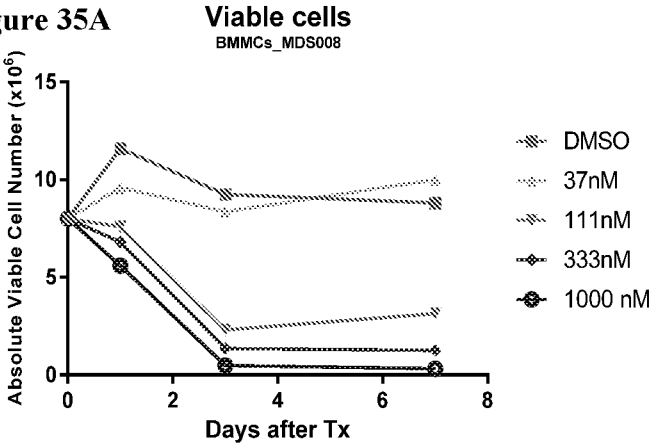


Figure 35B

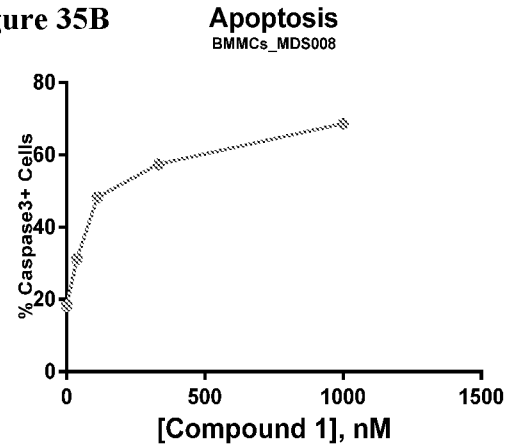
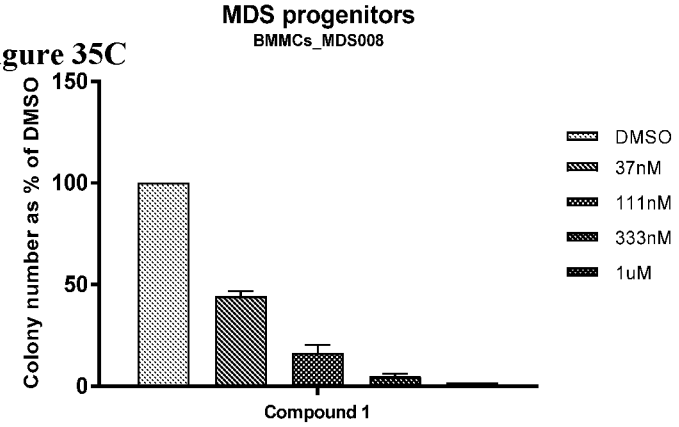


Figure 35C



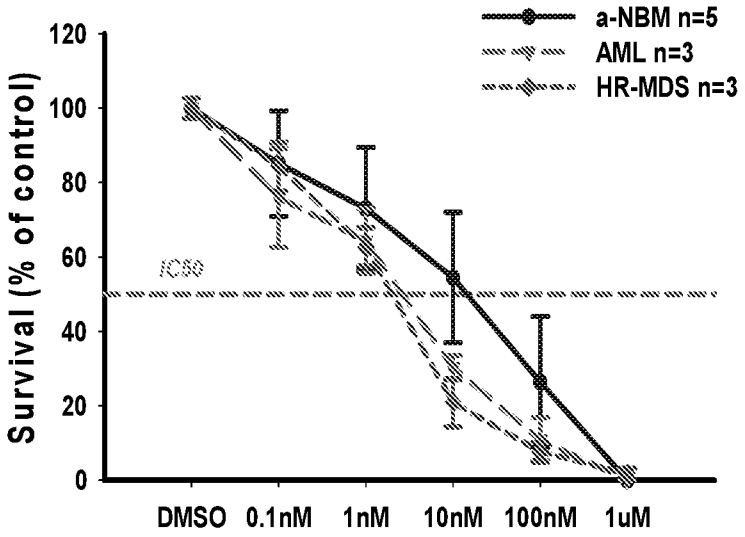


FIG. 36A

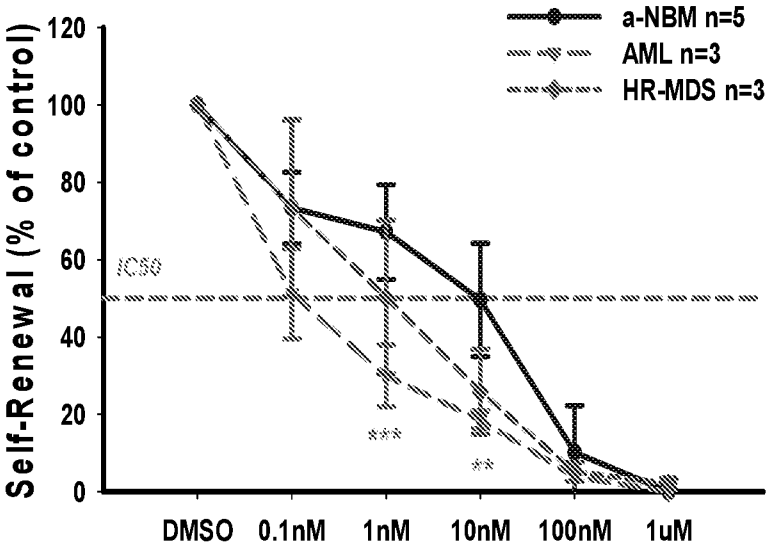


FIG. 36B