FIG. 1B

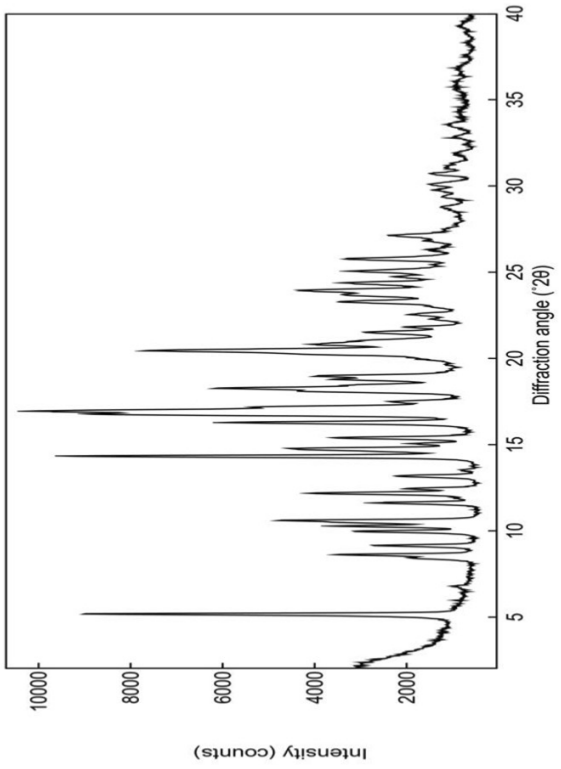
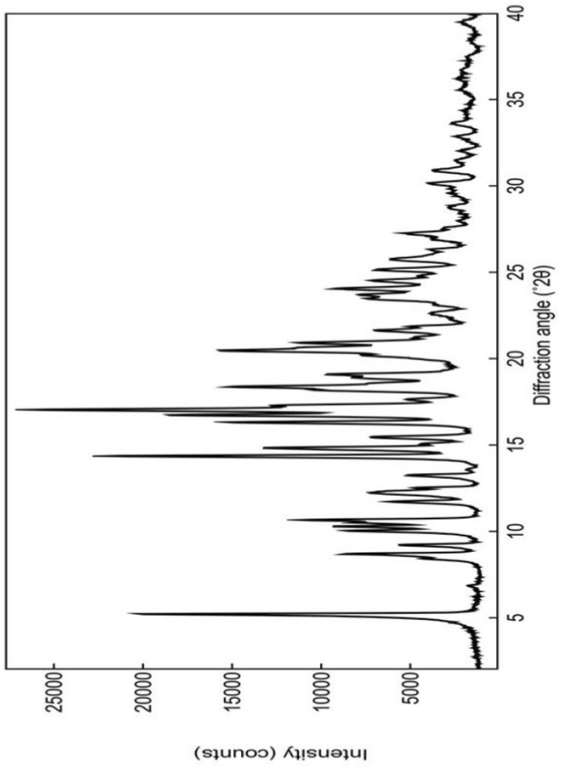

Intensity (counts)
10000
8000
6000
4000
2000
5
10
15
20
25
30
35
40
Diffraction angle (°2θ)

FIG. 1A


Intensity (counts)
25000
20000
15000
10000
5000
5
10
15
20
25
30
35
40
Diffraction angle (°2θ)

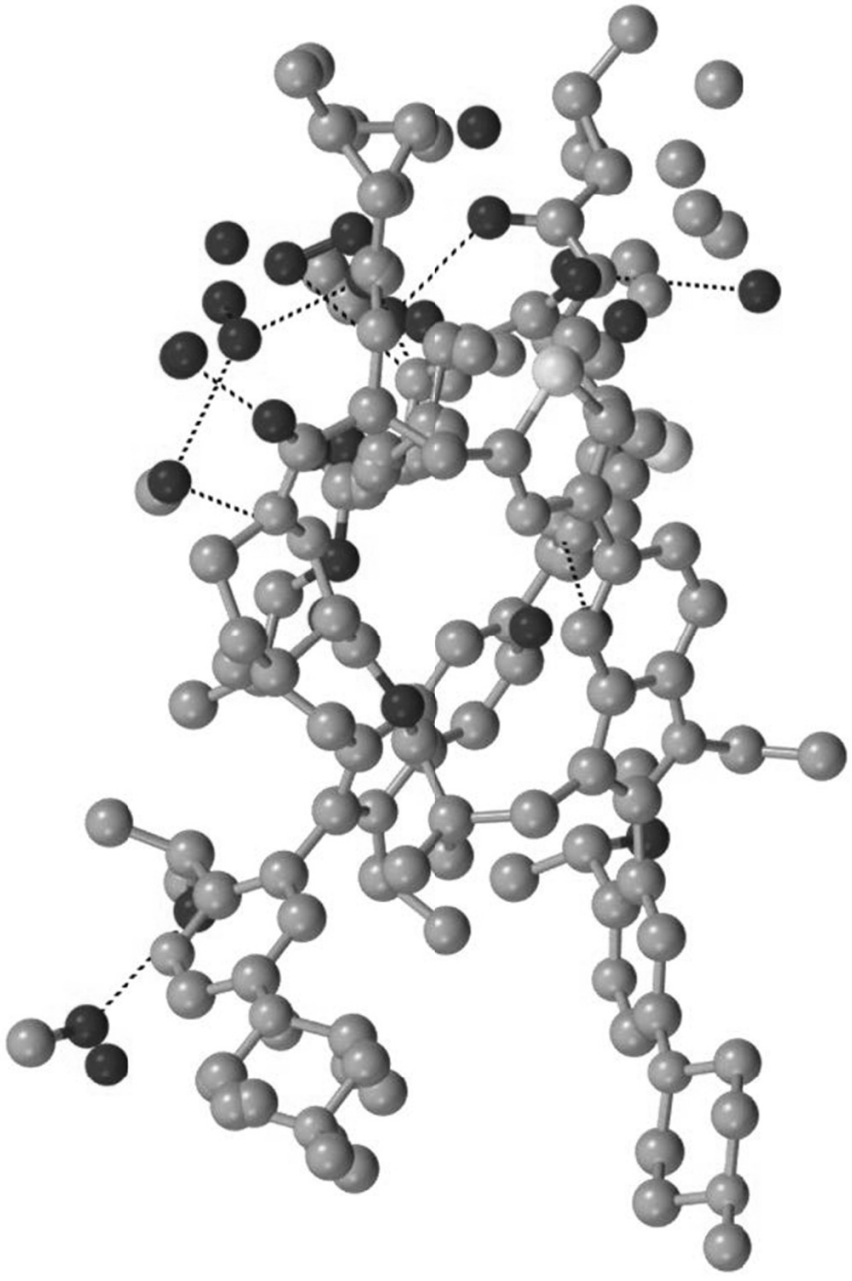


FIG. 2

FIG. 3

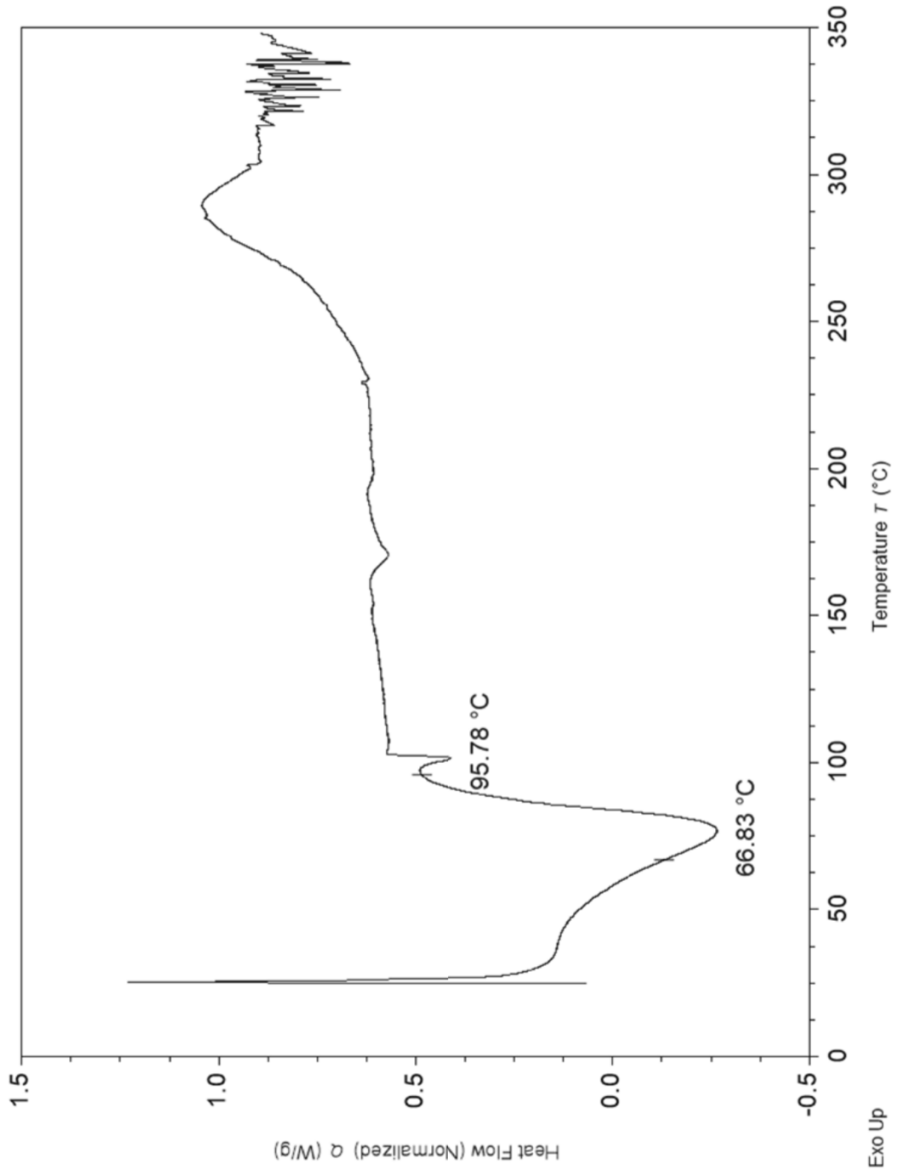

95.78 °C
66.83 °C
Heat Flow (Normalized) Q (W/g)
Exo Up
Temperature T (°C)
1.5
1.0
0.5
0.0
-0.5
0
50
100
150
200
250
300
350

FIG. 4

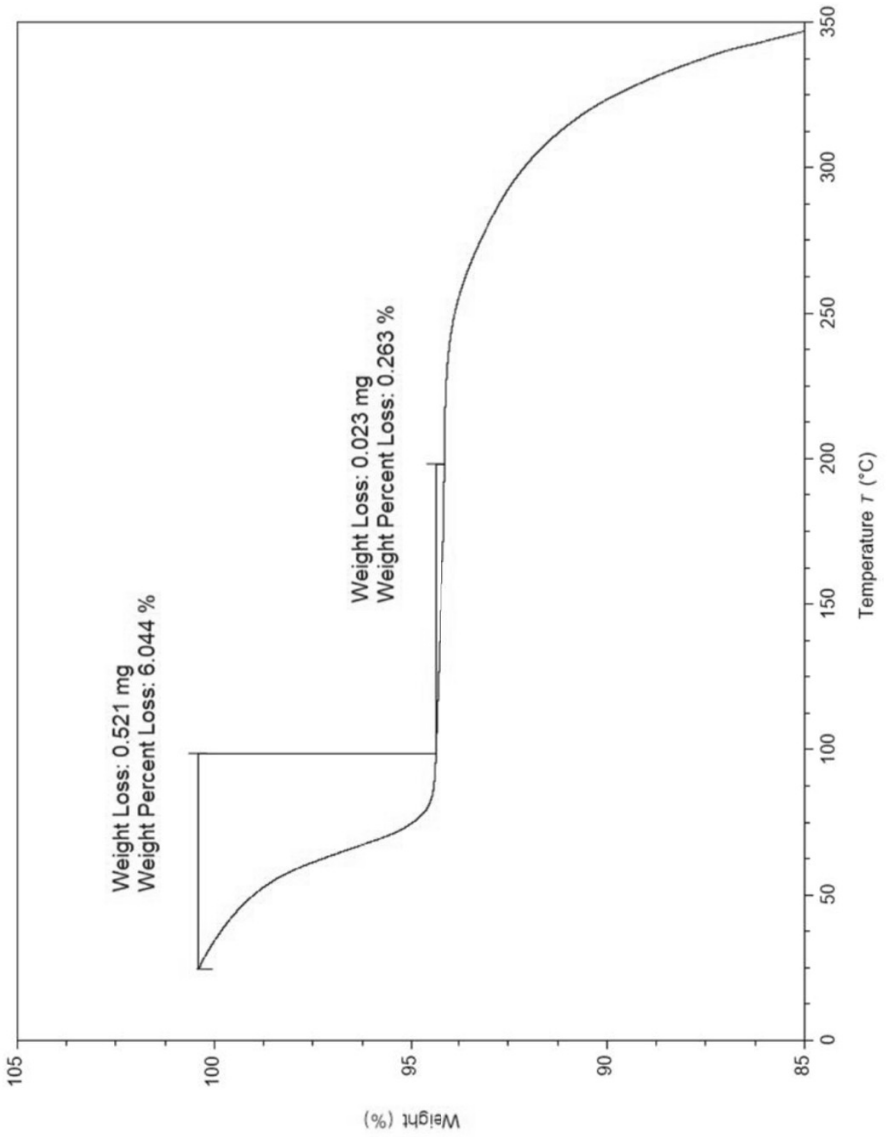

Weight Loss: 0.521 mg
Weight Percent Loss: 6.044 %
Weight Loss: 0.023 mg
Weight Percent Loss: 0.263 %
Weight (%)
Temperature T (°C)
105
100
95
90
85
0
50
100
150
200
250
300
350

FIG. 5

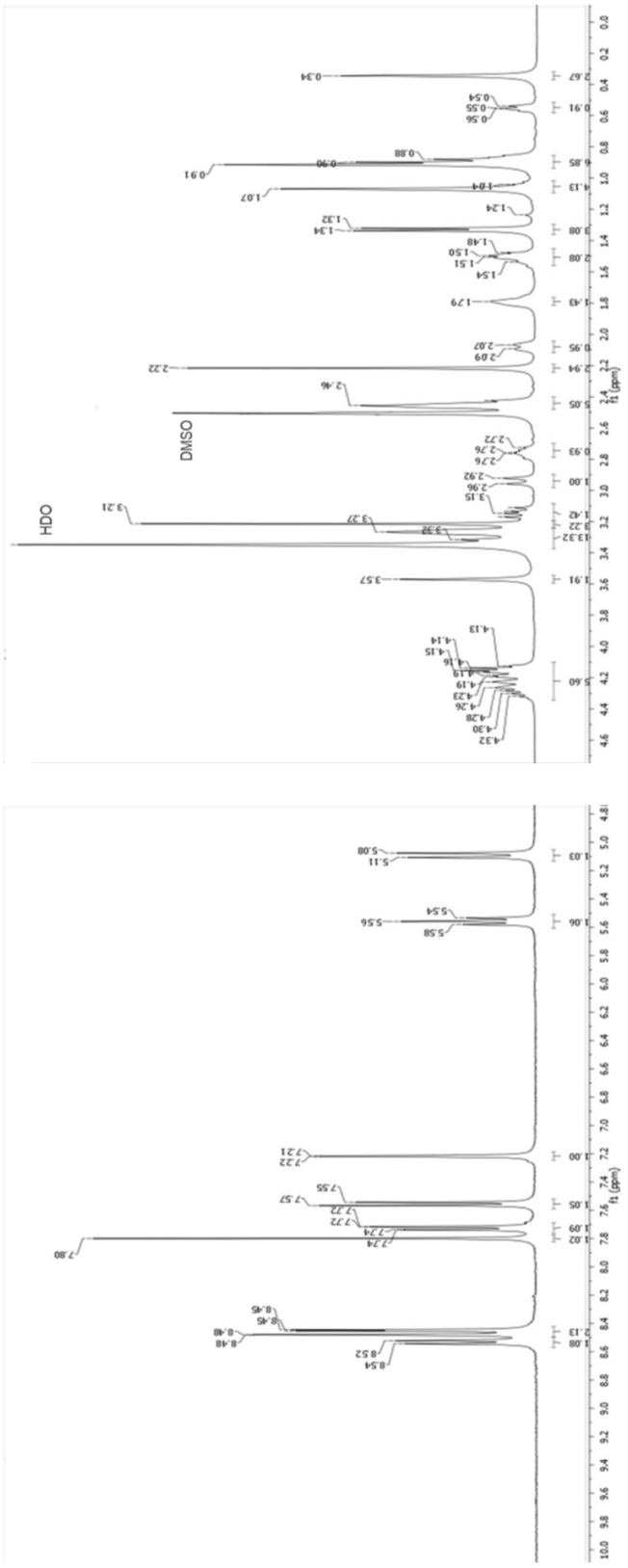


FIG. 6

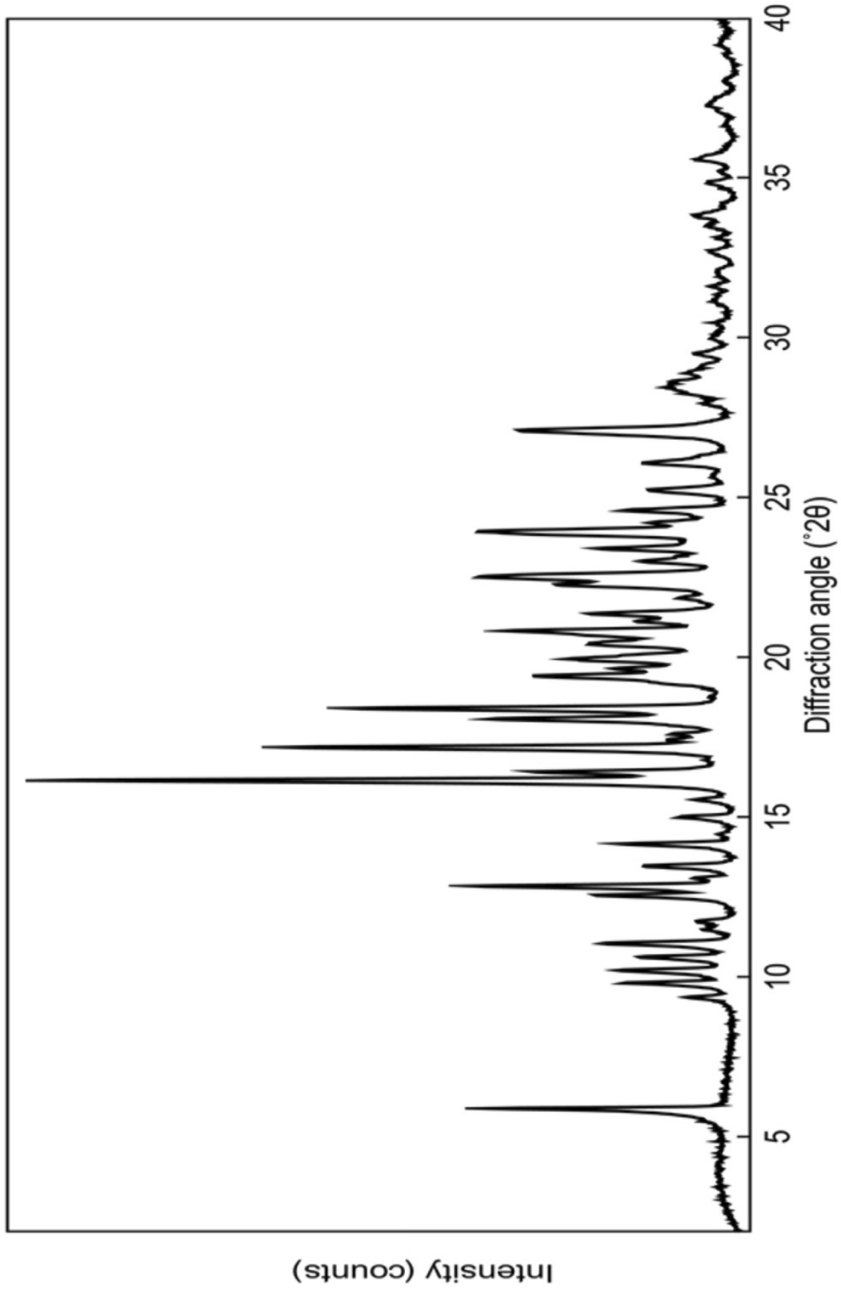


FIG. 7

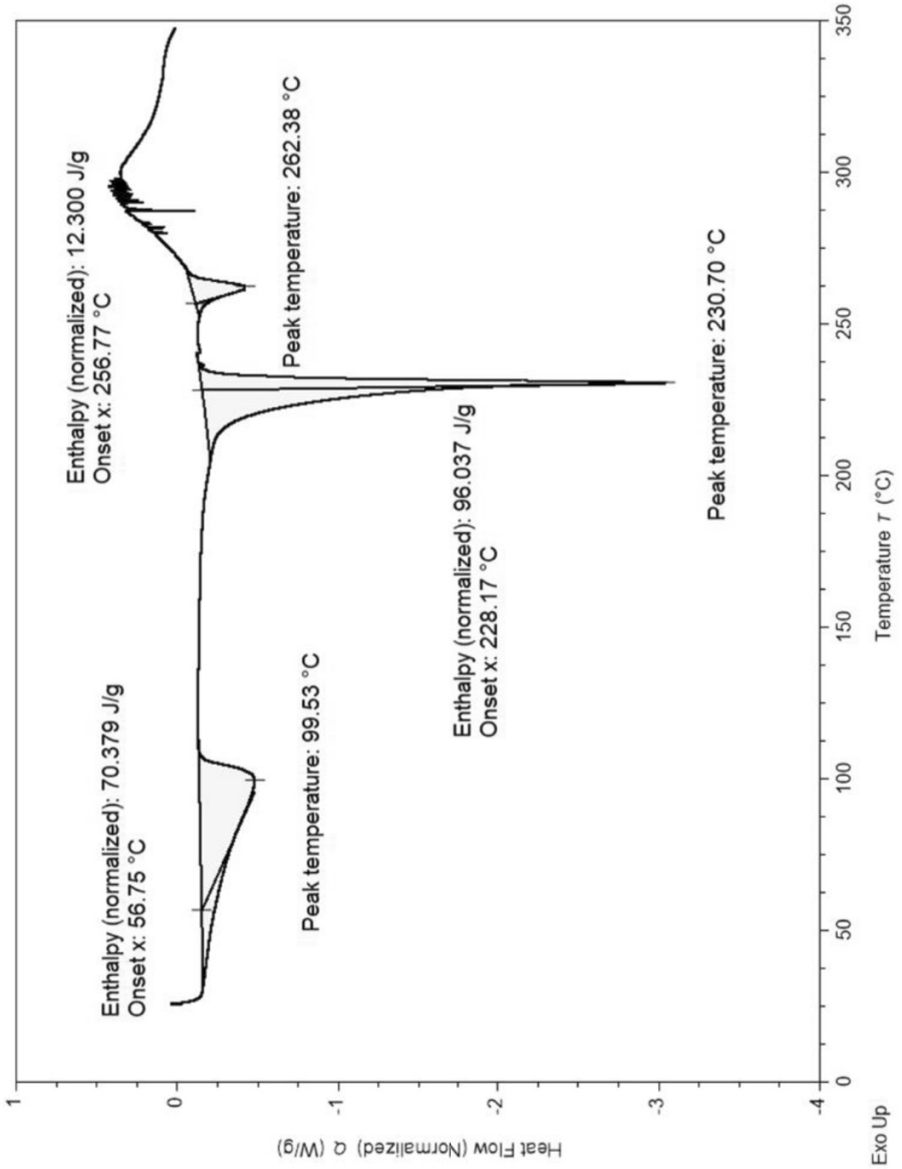

Enthalpy (normalized): 70.379 J/g
Onset x: 56.75 °C
Peak temperature: 99.53 °C
Enthalpy (normalized): 12.300 J/g
Onset x: 256.77 °C
Peak temperature: 262.38 °C
Enthalpy (normalized): 96.037 J/g
Onset x: 228.17 °C
Peak temperature: 230.70 °C
Heat Flow (Normalized) Q (W/g)
Temperature T (°C)
Exo Up

FIG. 8

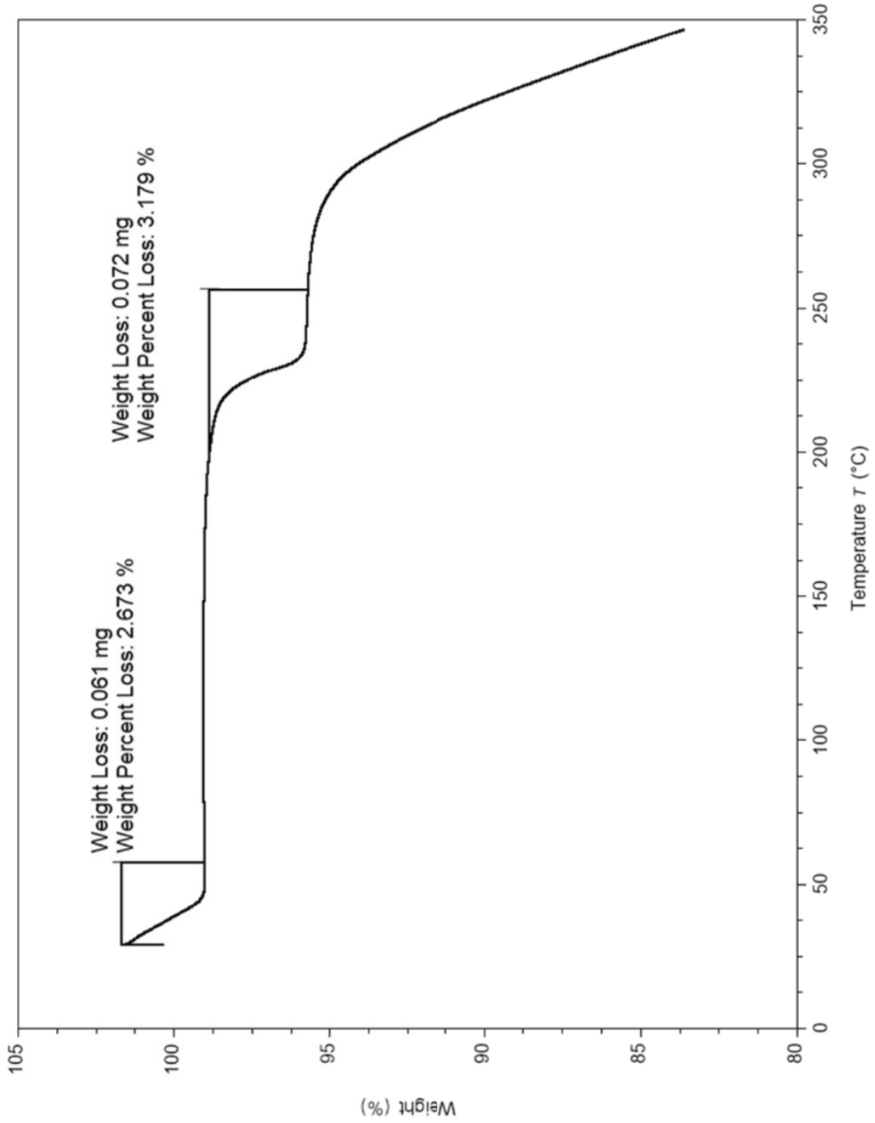

Weight Loss: 0.061 mg
Weight Percent Loss: 2.673 %
Weight Loss: 0.072 mg
Weight Percent Loss: 3.179 %
Weight (%)
Temperature T (°C)
105
100
95
90
85
80
0
50
100
150
200
250
300
350

FIG. 9

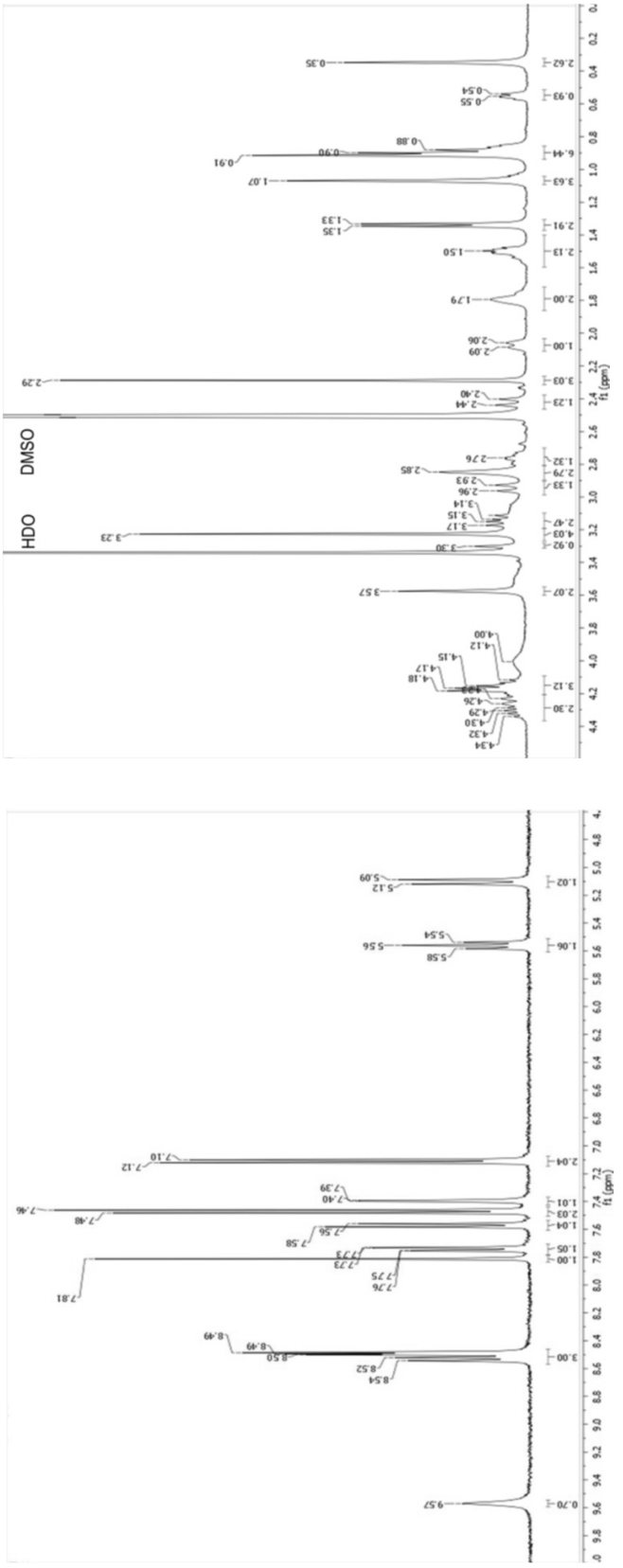


FIG. 10

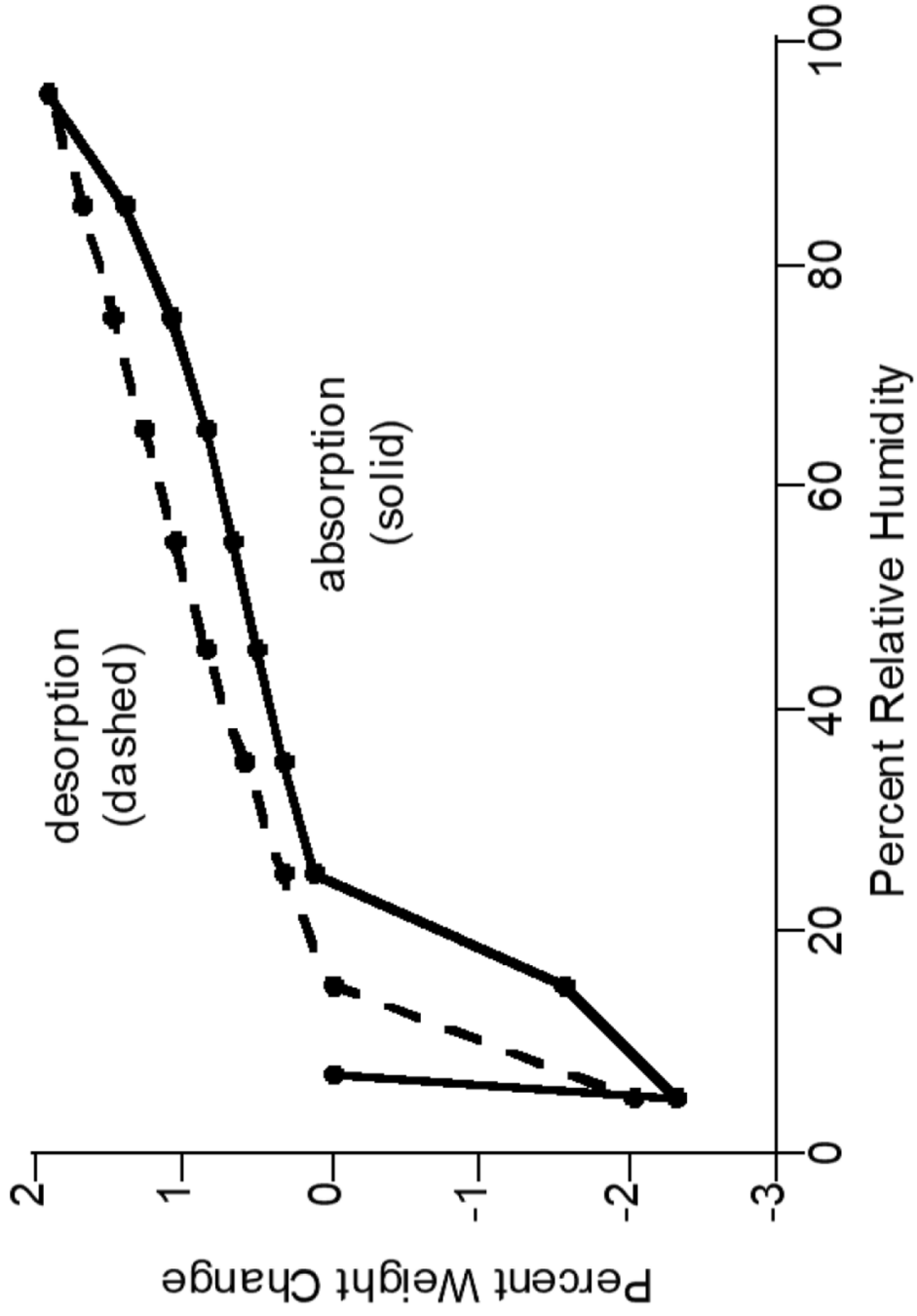

desorption
(dashed)
absorption
(solid)
Percent Weight Change
2
1
0
-1
-2
-3
0
20
40
60
80
100
Percent Relative Humidity

FIG. 11

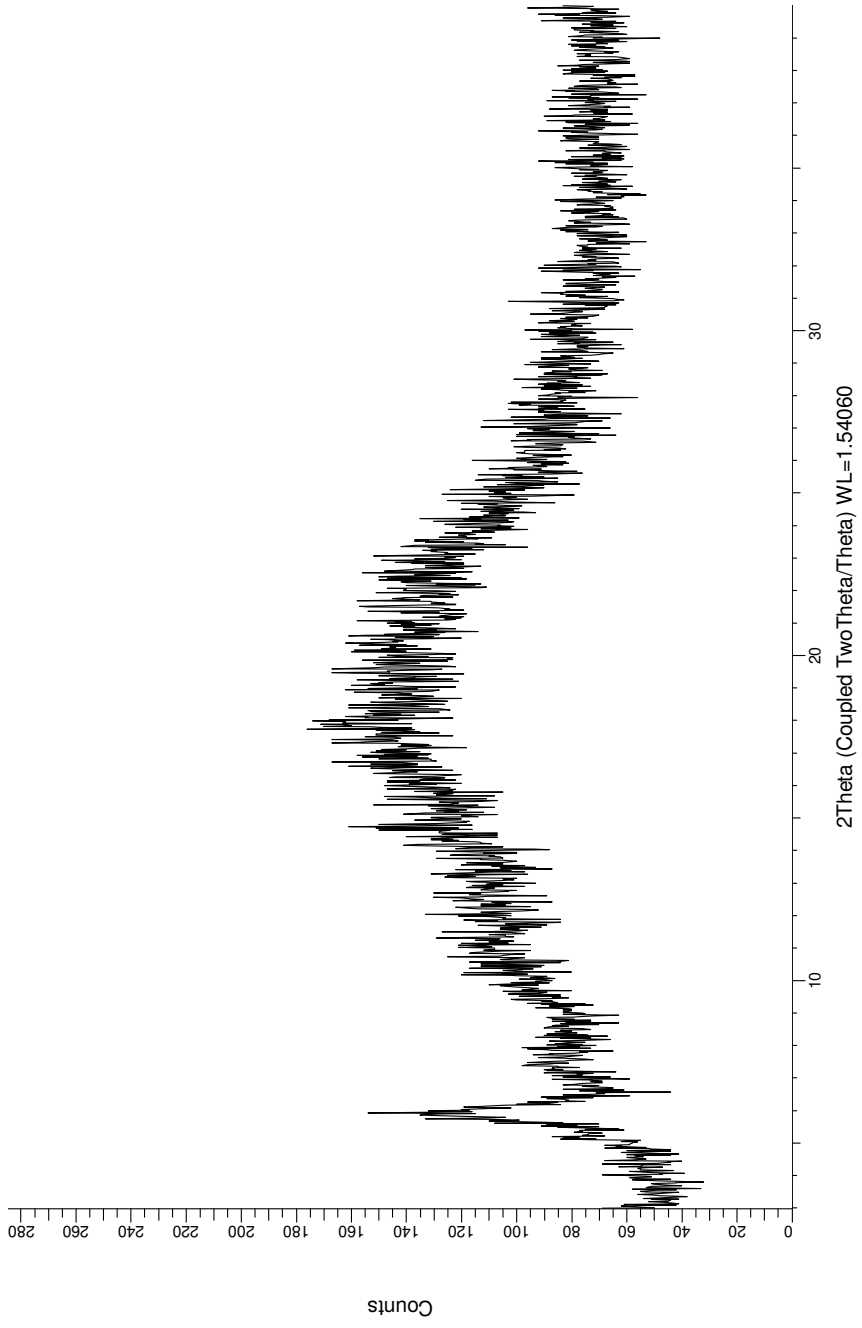

Counts
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 12

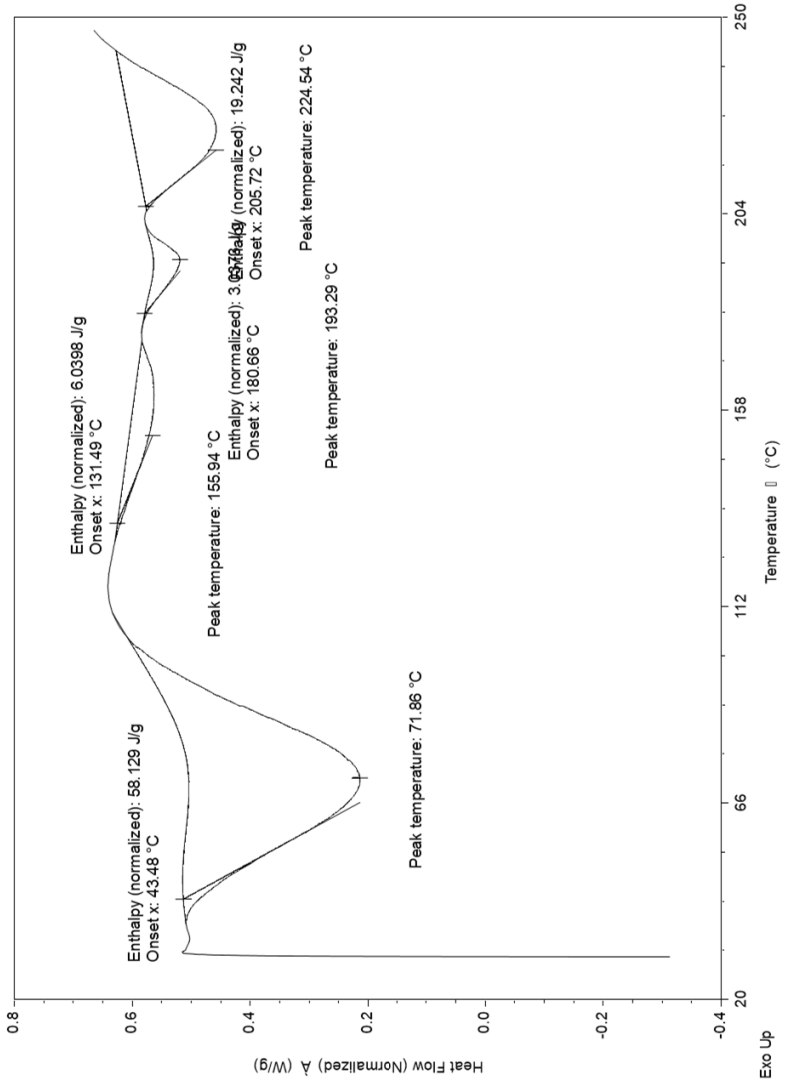

Enthalpy (normalized): 6.0398 J/g
Onset x: 131.49 °C
Enthalpy (normalized): 58.129 J/g
Onset x: 43.48 °C
Peak temperature: 155.94 °C
Enthalpy (normalized): 19.242 J/g
Onset x: 205.72 °C
Peak temperature: 224.54 °C
Onset x: 180.66 °C
Peak temperature: 193.29 °C
Peak temperature: 71.86 °C
Heat Flow (Normalized) Å (W/g)
Exo Up
Temperature  (°C)
0.8
0.6
0.4
0.2
0.0
-0.2
-0.4
20
66
112
158
204
250

FIG. 13

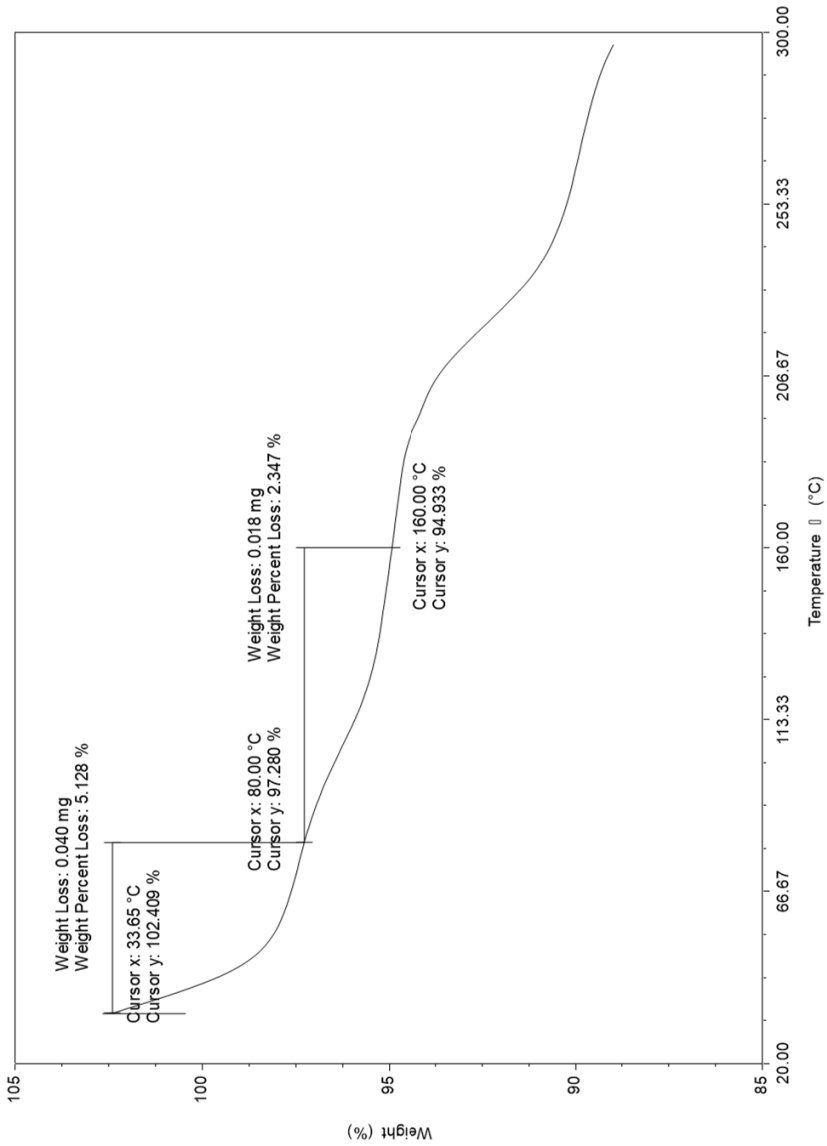

Weight Loss: 0.040 mg
Weight Percent Loss: 5.128 %
Cursor x: 33.65 °C
Cursor y: 102.409 %
Cursor x: 80.00 °C
Cursor y: 97.280 %
Weight Loss: 0.018 mg
Weight Percent Loss: 2.347 %
Cursor x: 160.00 °C
Cursor y: 94.933 %
105
100
95
90
85
Weight (%)
20.00
66.67
113.33
160.00
206.67
253.33
300.00
Temperature (°C)

FIG. 14

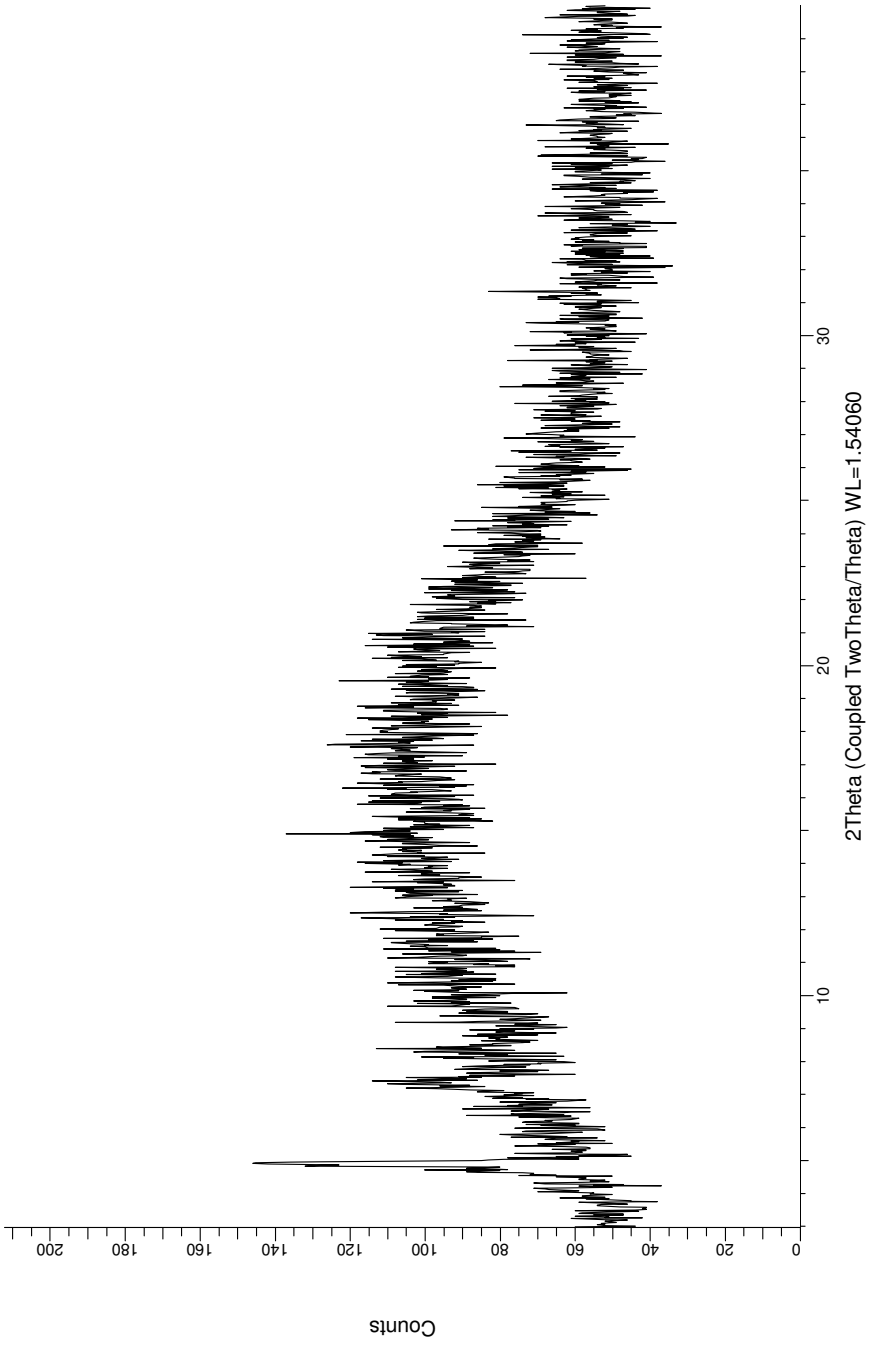

Counts
0
20
40
60
80
100
120
140
160
180
200
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 15

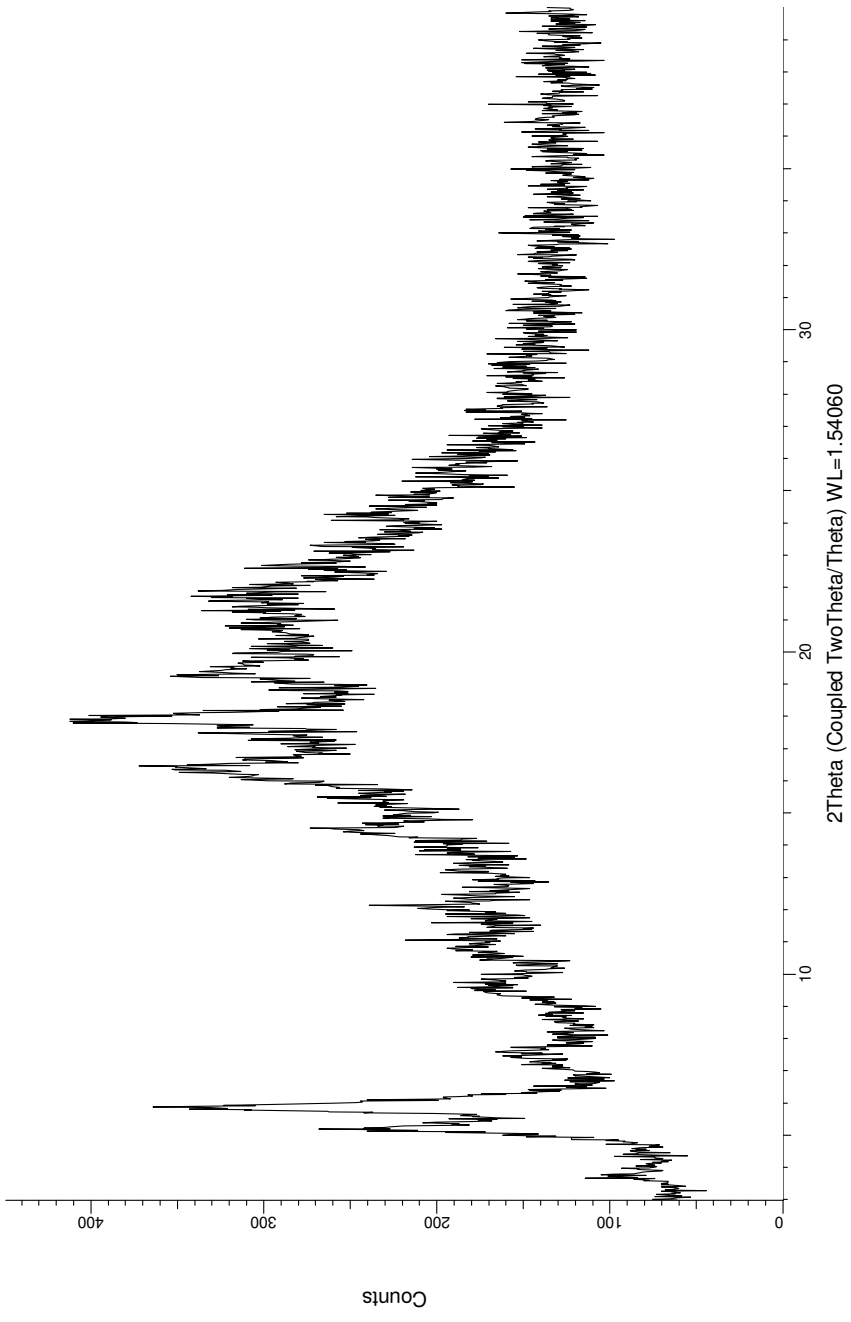

Counts
0
100
200
300
400
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 16

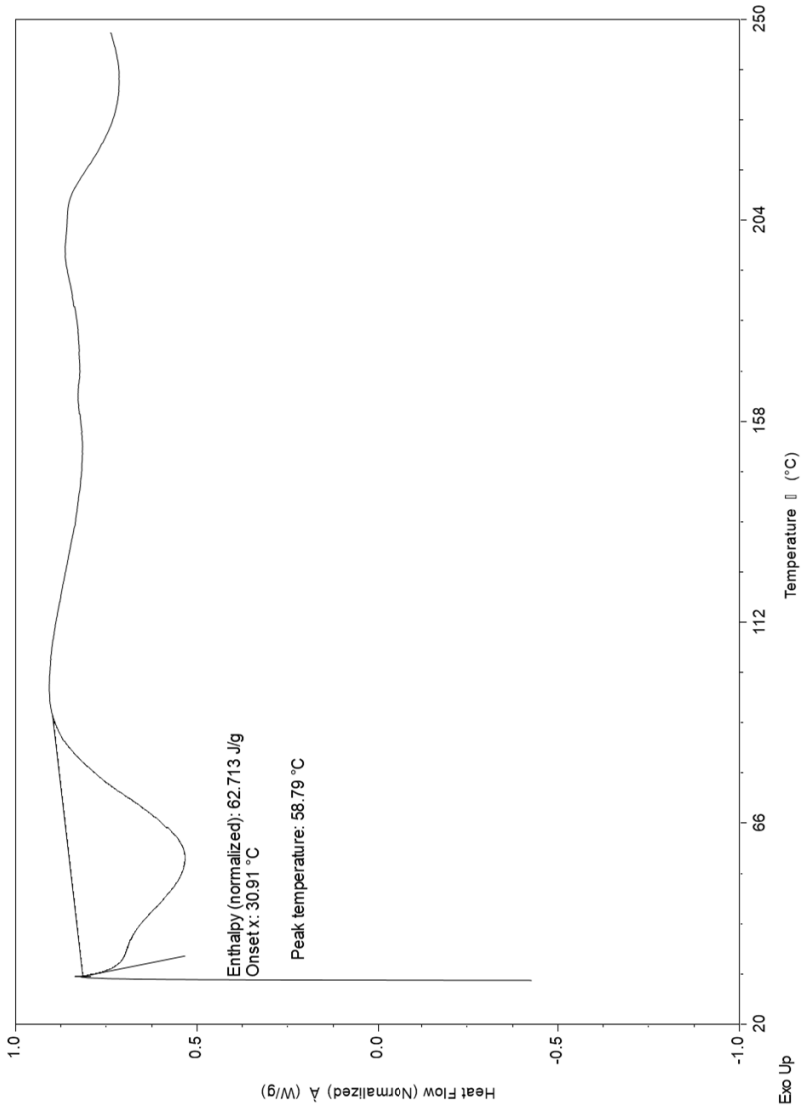

Enthalpy (normalized): 62.713 J/g
Onset x: 30.91 °C
Peak temperature: 58.79 °C
Heat Flow (Normalized) Å (W/g)
Exo Up
Temperature Â (°C)
1.0
0.5
0.0
-0.5
-1.0
20
66
112
158
204
250

FIG. 17

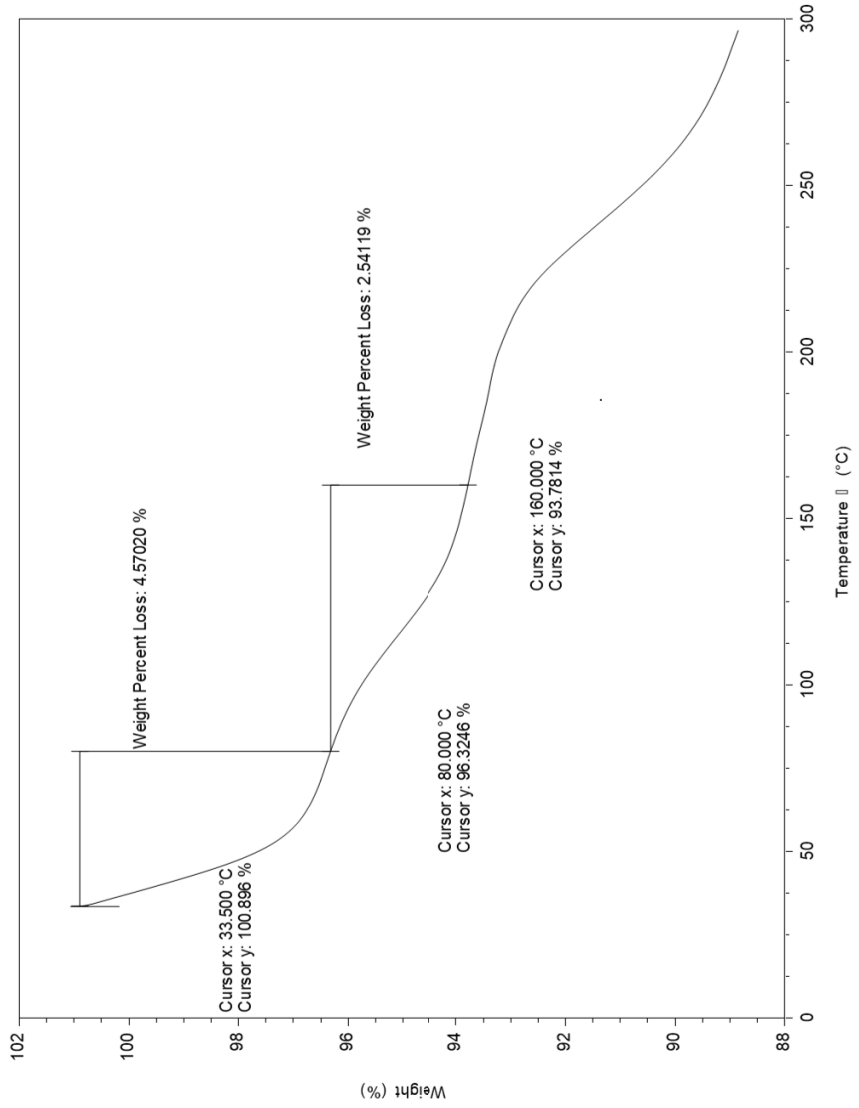

Weight Percent Loss: 4.57020 %
Weight Percent Loss: 2.54119 %
Cursor x: 33.500 °C
Cursor y: 100.896 %
Cursor x: 80.000 °C
Cursor y: 96.3246 %
Cursor x: 160.000 °C
Cursor y: 93.7814 %
Weight (%)
Temperature (°C)
102
100
98
96
94
92
90
88
0
50
100
150
200
250
300

FIG. 18

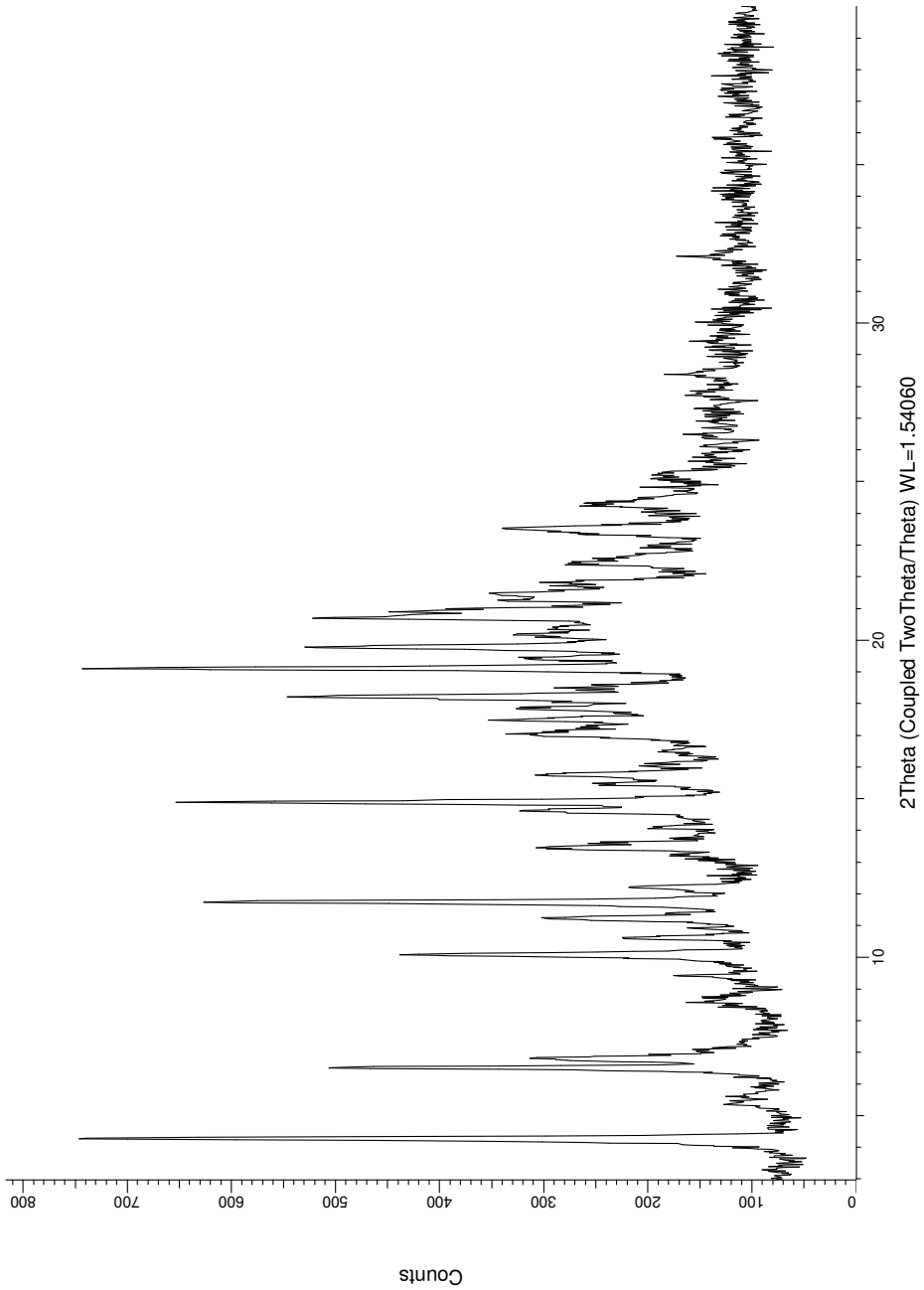

Counts
0
100
200
300
400
500
600
700
800
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 19

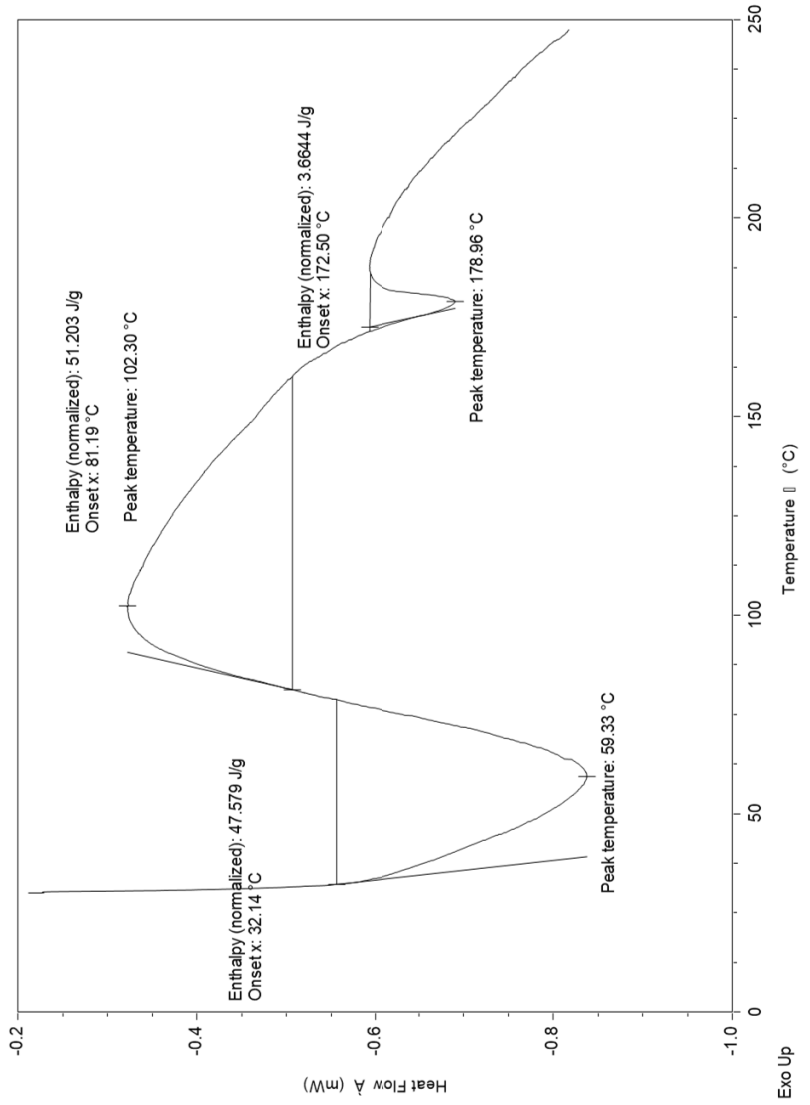

Enthalpy (normalized): 51.203 J/g
Onset x: 81.19 °C
Peak temperature: 102.30 °C
Enthalpy (normalized): 3.6644 J/g
Onset x: 172.50 °C
Peak temperature: 178.96 °C
Enthalpy (normalized): 47.579 J/g
Onset x: 32.14 °C
Peak temperature: 59.33 °C
-0.2
-0.4
-0.6
-0.8
-1.0
Heat Flow Å (mW)
Exo Up
0
50
100
150
200
250
Temperature ▯ (°C)

FIG. 20

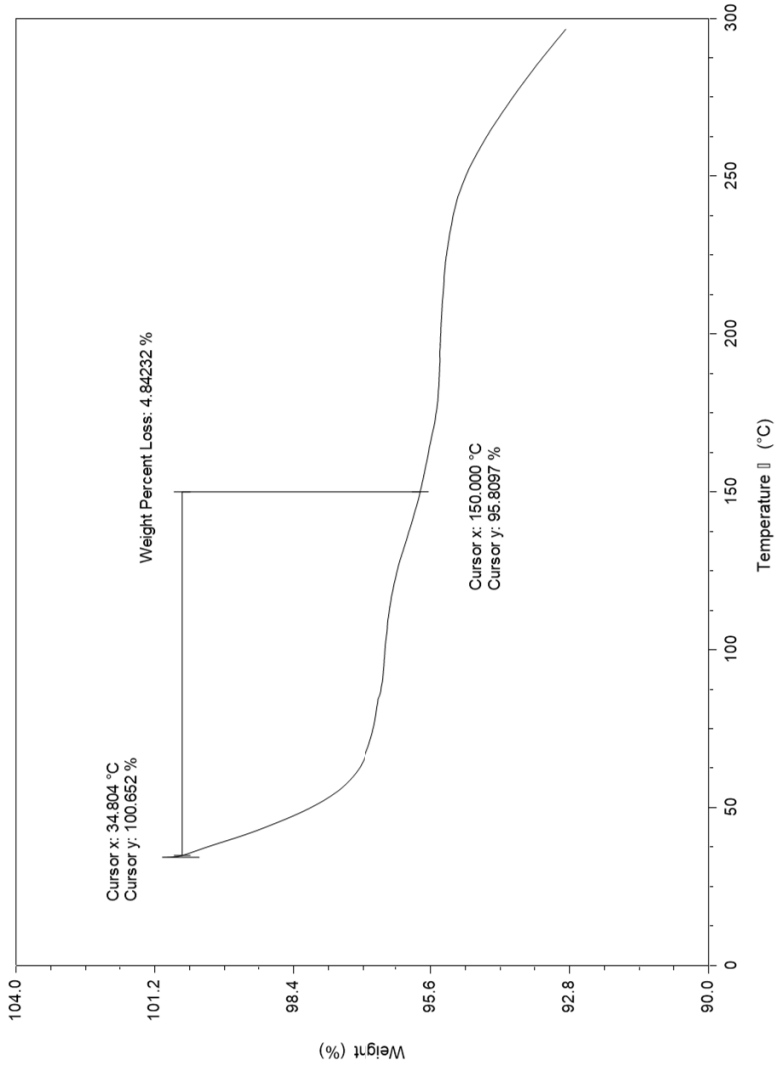

Weight (%)
104.0
101.2
98.4
95.6
92.8
90.0
0
50
100
150
200
250
300
Temperature (°C)
Cursor x: 34.804 °C
Cursor y: 100.652 %
Weight Percent Loss: 4.84232 %
Cursor x: 150.000 °C
Cursor y: 95.8097 %

FIG. 21

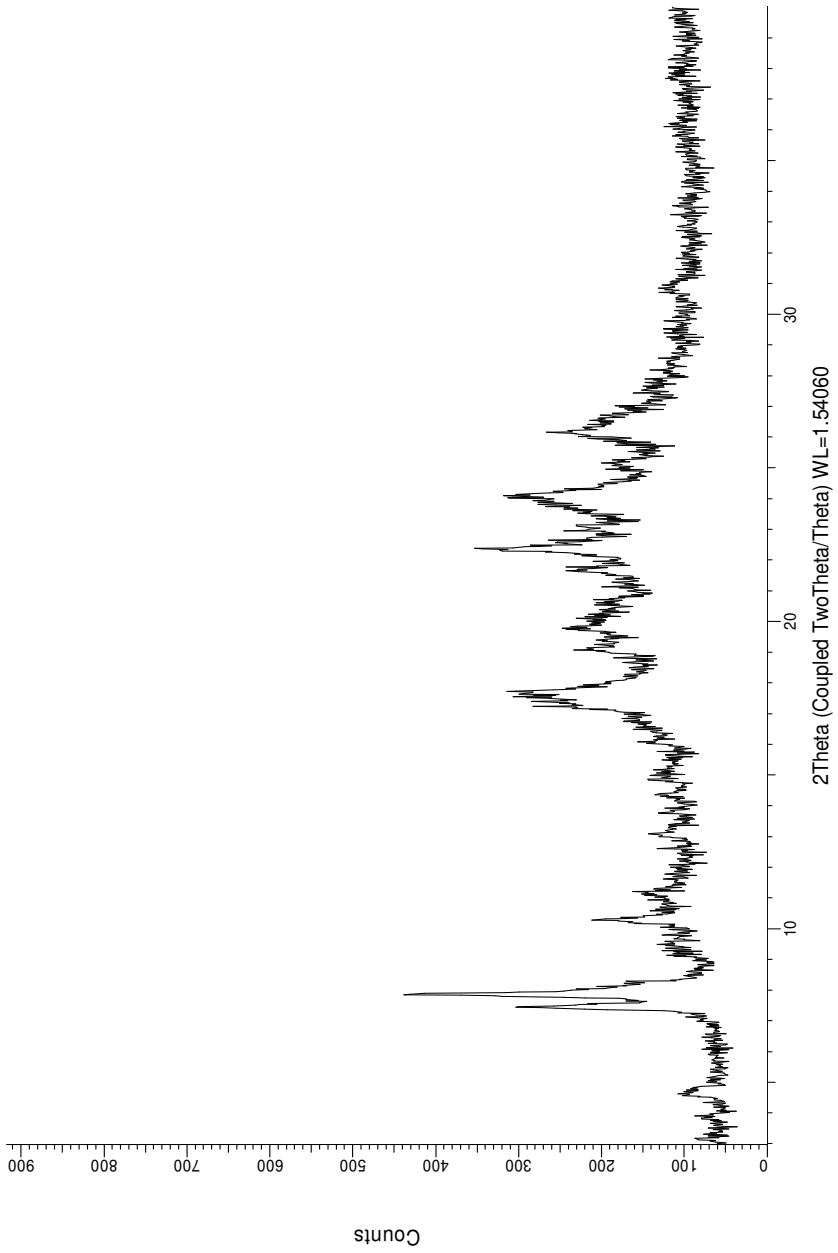

Counts
0
100
200
300
400
500
600
700
800
900
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 22

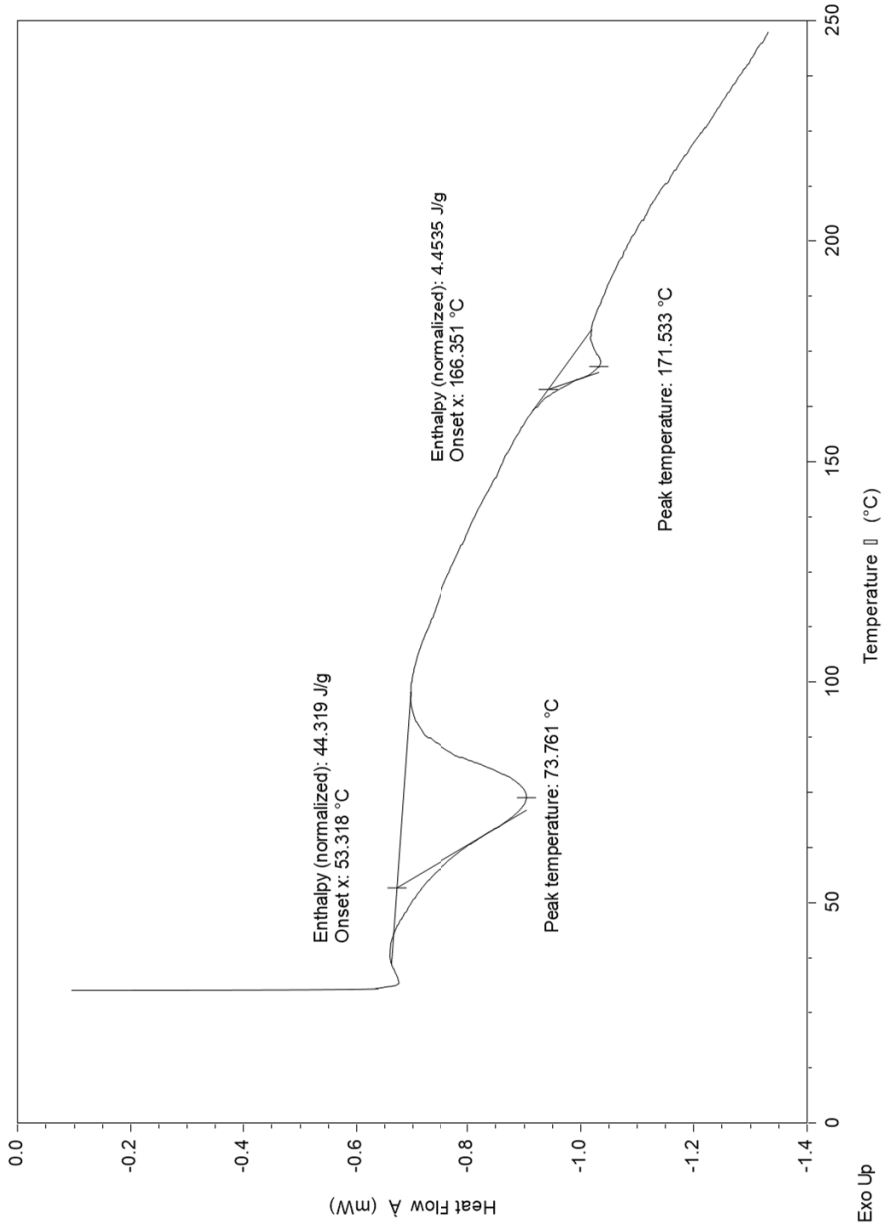

Enthalpy (normalized): 44.319 J/g
Onset x: 53.318 °C
Peak temperature: 73.761 °C
Enthalpy (normalized): 4.4535 J/g
Onset x: 166.351 °C
Peak temperature: 171.533 °C
Heat Flow Å (mW)
Temperature ▯ (°C)
Exo Up
0.0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
-1.4
0
50
100
150
200
250

FIG. 23

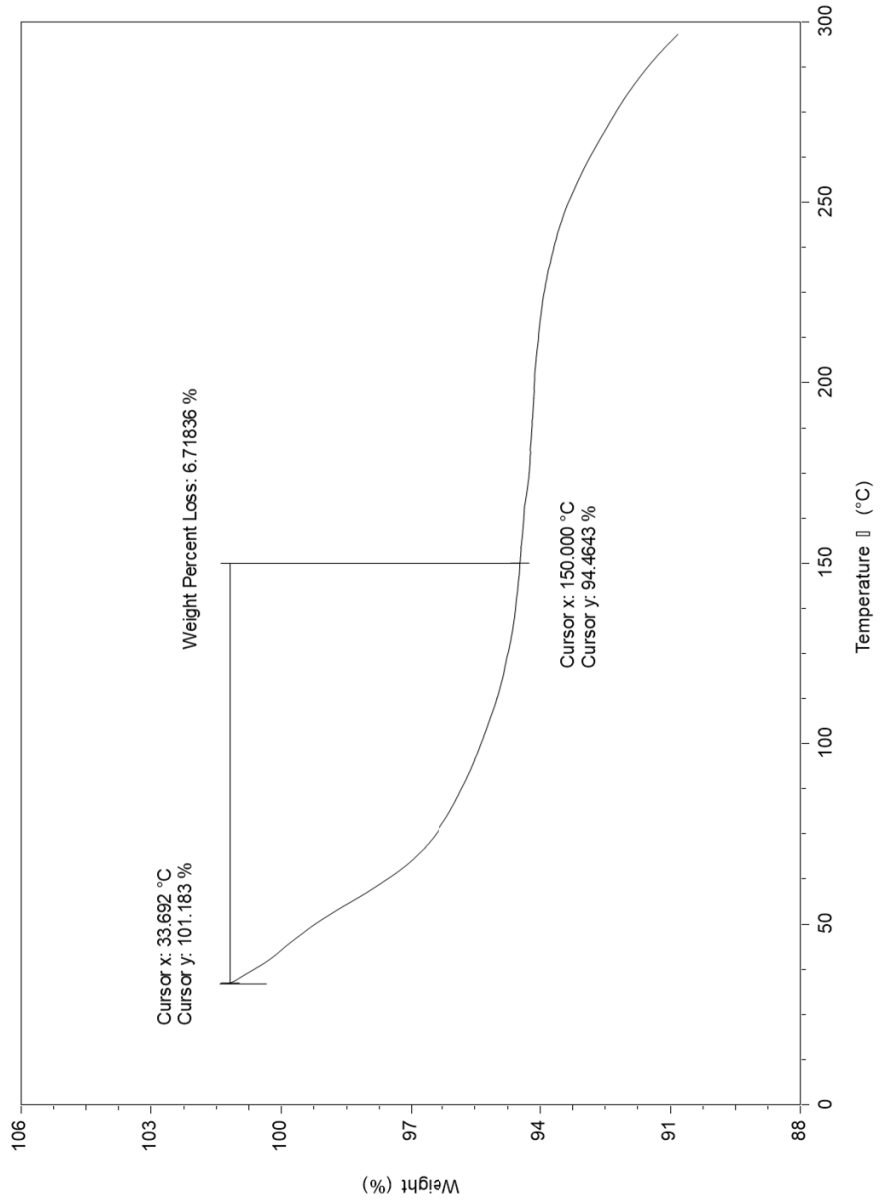

Weight (%)
106
103
100
97
94
91
88
0
50
100
150
200
250
300
Temperature (°C)
Cursor x: 33.692 °C
Cursor y: 101.183 %
Weight Percent Loss: 6.71836 %
Cursor x: 150.000 °C
Cursor y: 94.4643 %

FIG. 24

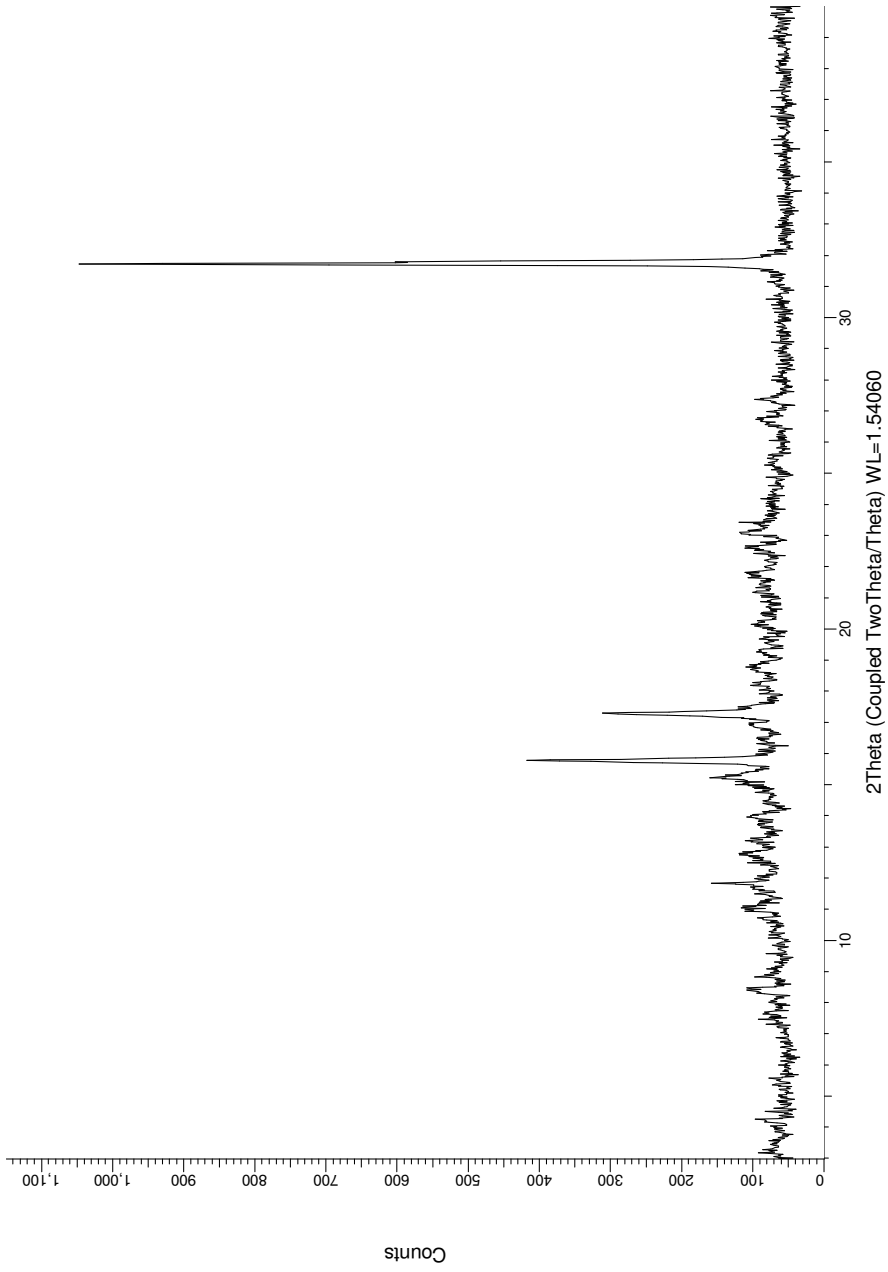

Counts
0
100
200
300
400
500
600
700
800
900
1,000
1,100
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 25

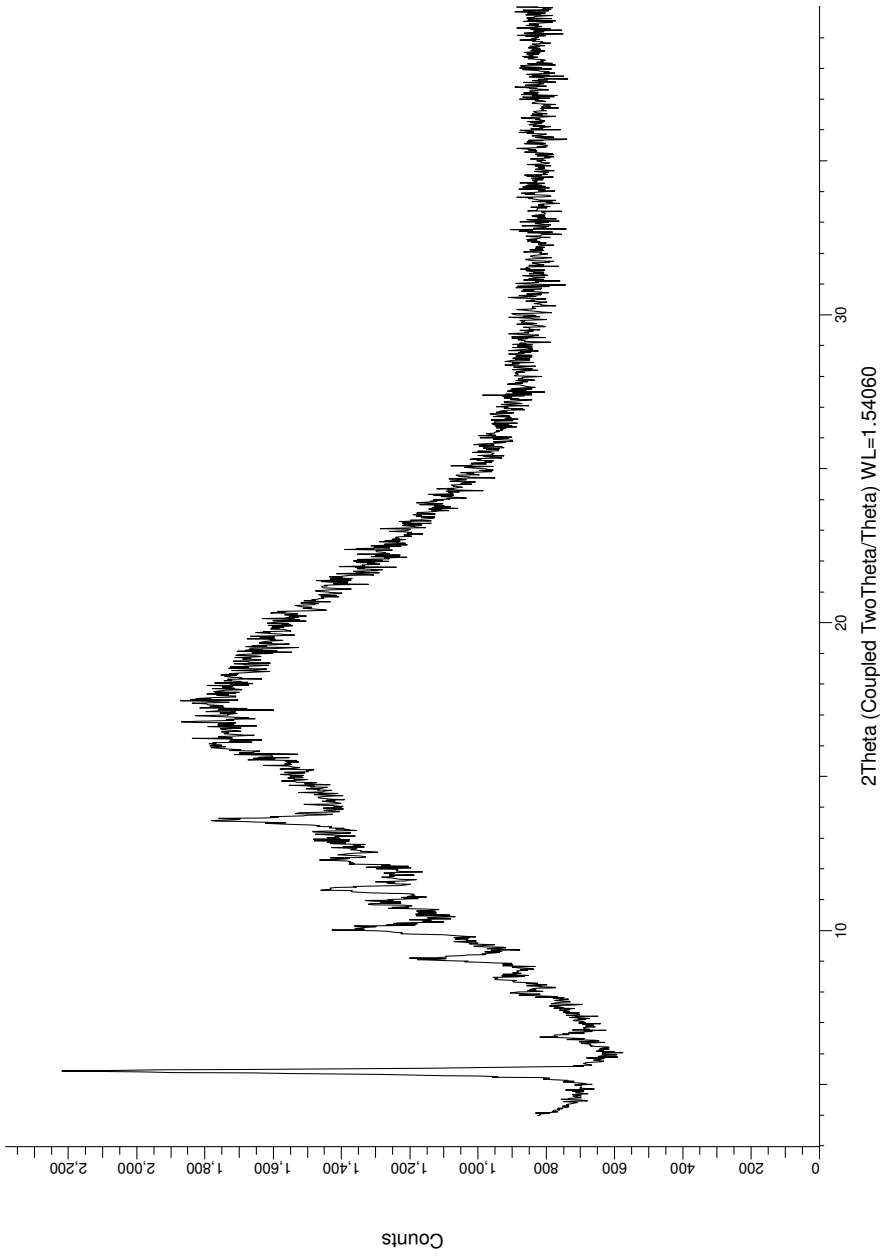
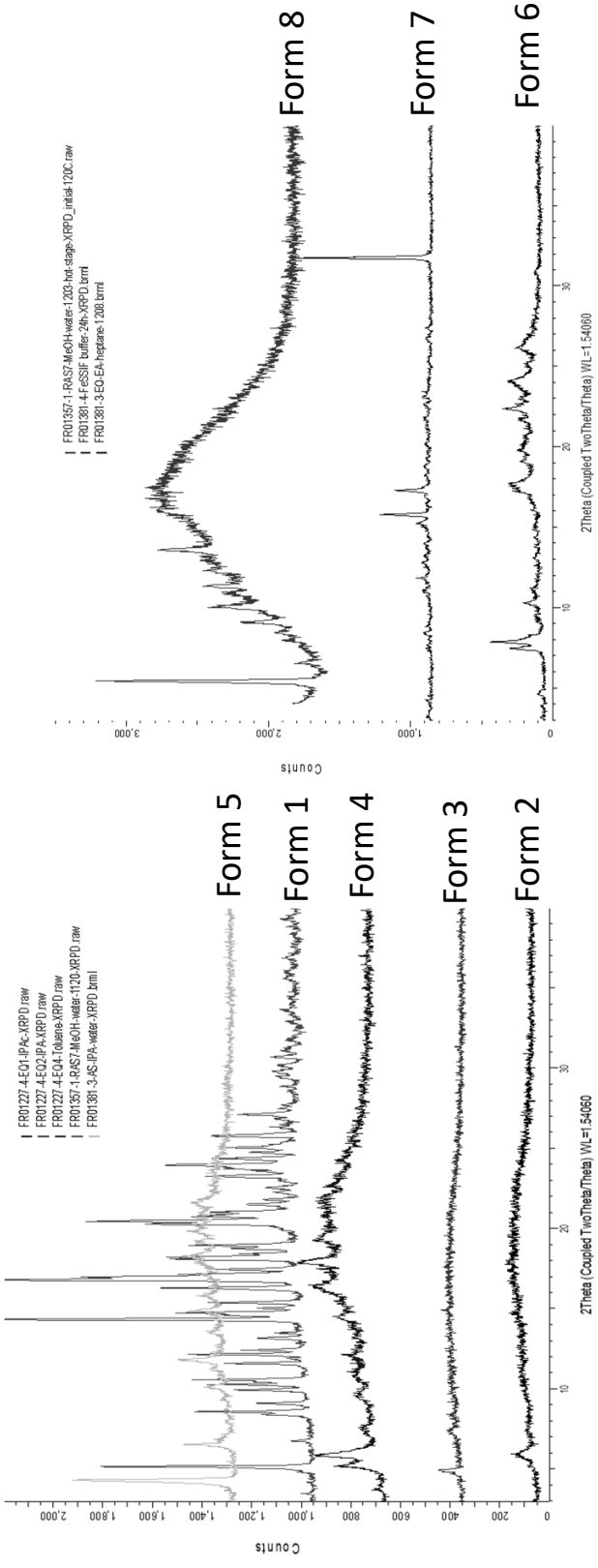

Counts
0
200
400
600
800
1,000
1,200
1,400
1,600
1,800
2,000
2,200
10
20
30
2Theta (Coupled TwoTheta/Theta) WL=1.54060

FIG. 26


FR01227.4-EQ1-IPAc-XRPD.raw
FR01227.4-EQ2-IPA-XRPD.raw
FR01227.4-EQ4-Toluene-XRPD.raw
FR01357-1-RAST-MeOH-water-1120-XRPD.raw
FR01381.3-AS-IPA-water-XRPD.brml
Counts
2Theta (Coupled TwoTheta/Theta) WL=1.54060
Form 5
Form 1
Form 4
Form 3
Form 2
FR01357-1-RAST-MeOH-water-1203-hot-stage-XRPD_initial-120C.raw
FR01381-4-FeSSIF buffer-24h-XRPD.brml
FR01381-3-EQ-EA-heptane-1208.brml
Counts
2Theta (Coupled TwoTheta/Theta) WL=1.54060
Form 8
Form 7
Form 6