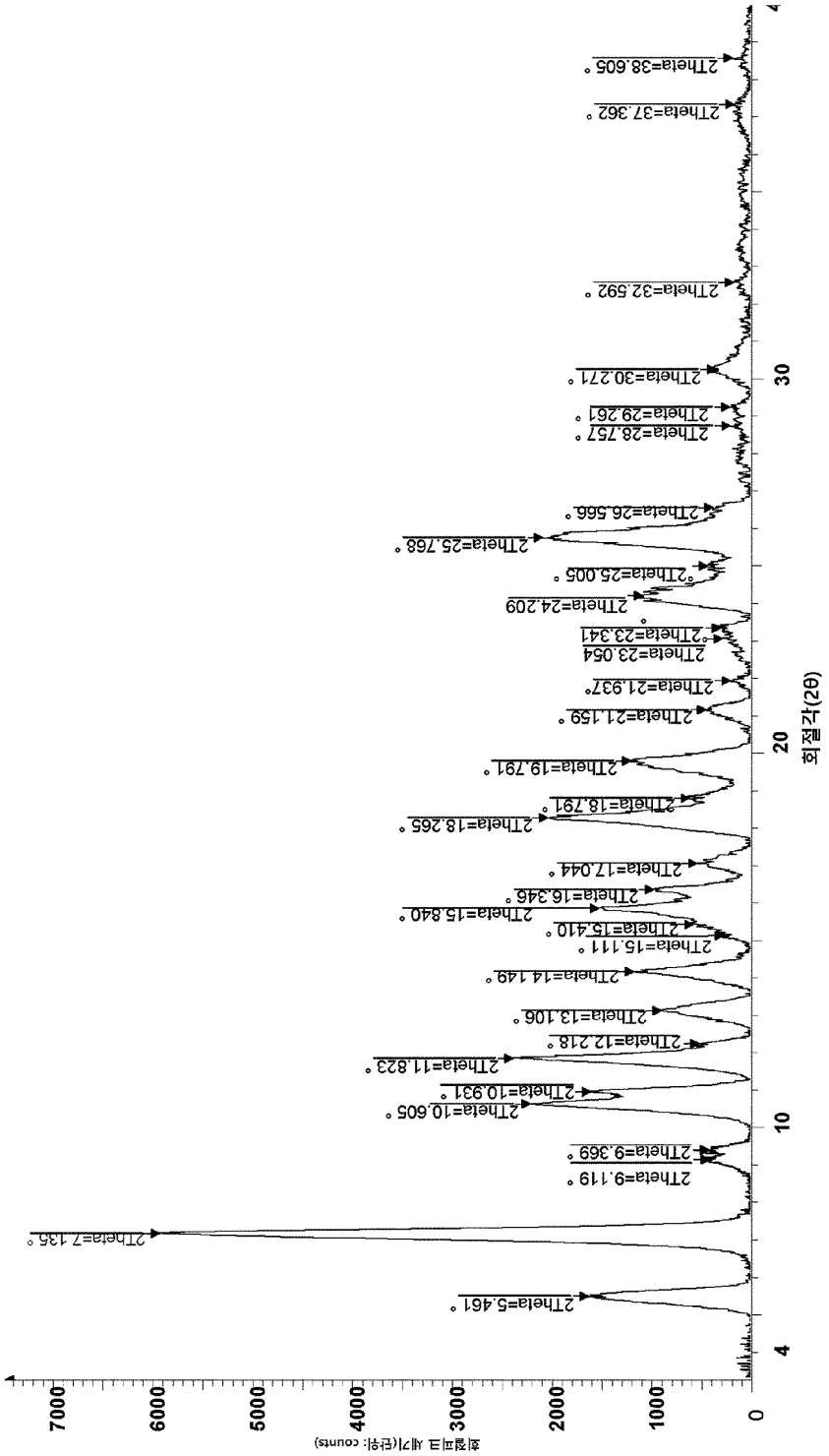
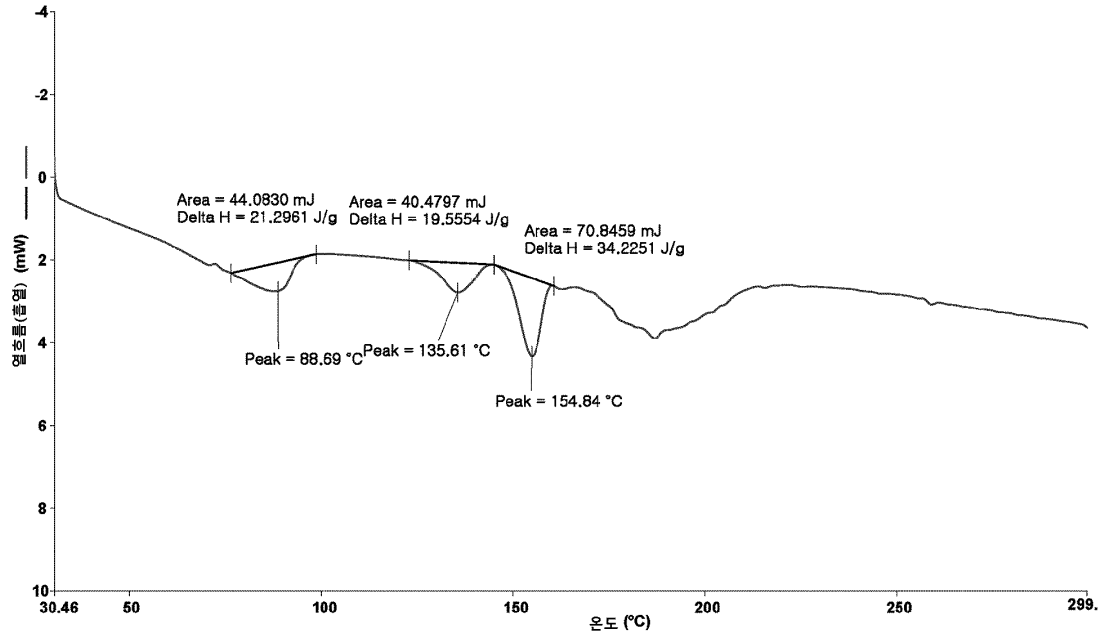
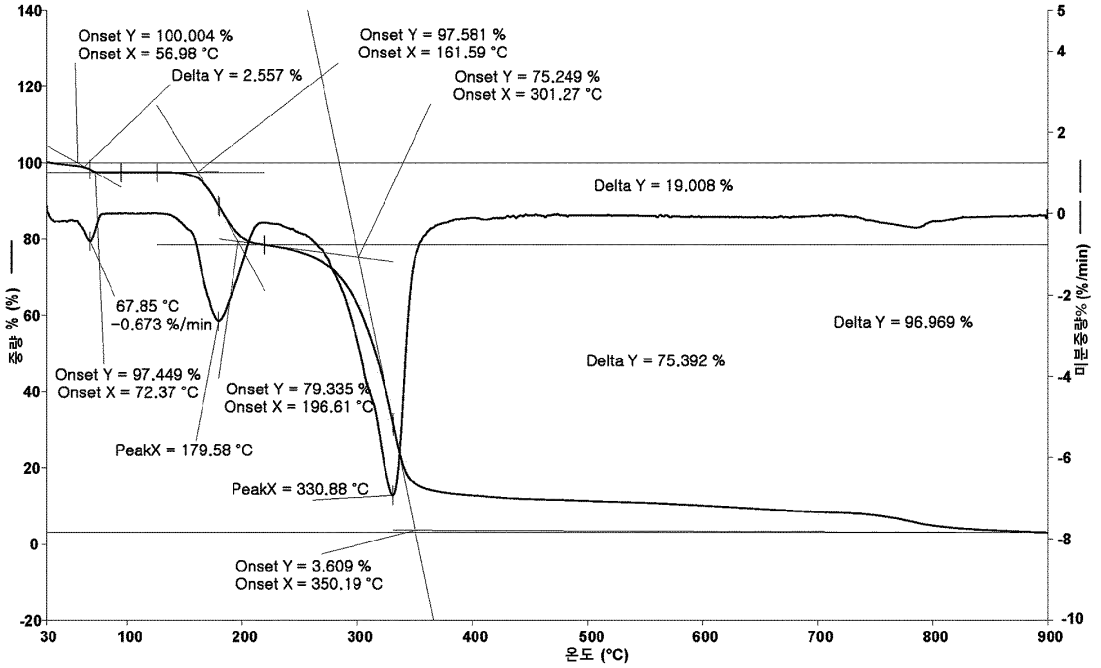
[도1]


2Theta=38.605°
2Theta=37.362°
2Theta=32.592°
2Theta=30.271°
2Theta=29.261°
2Theta=28.757°
2Theta=26.566°
2Theta=25.768°
2Theta=25.005°
2Theta=24.209°
2Theta=23.341°
2Theta=23.054°
2Theta=21.937°
2Theta=21.159°
2Theta=19.791°
2Theta=18.791°
2Theta=18.265°
2Theta=17.044°
2Theta=16.346°
2Theta=15.840°
2Theta=15.410°
2Theta=15.111°
2Theta=14.149°
2Theta=13.106°
2Theta=12.218°
2Theta=11.823°
2Theta=10.931°
2Theta=10.605°
2Theta=9.369°
2Theta=9.119°
2Theta=7.135°
2Theta=5.461°
회절각(2θ)
회절피크 세기(단위: counts)

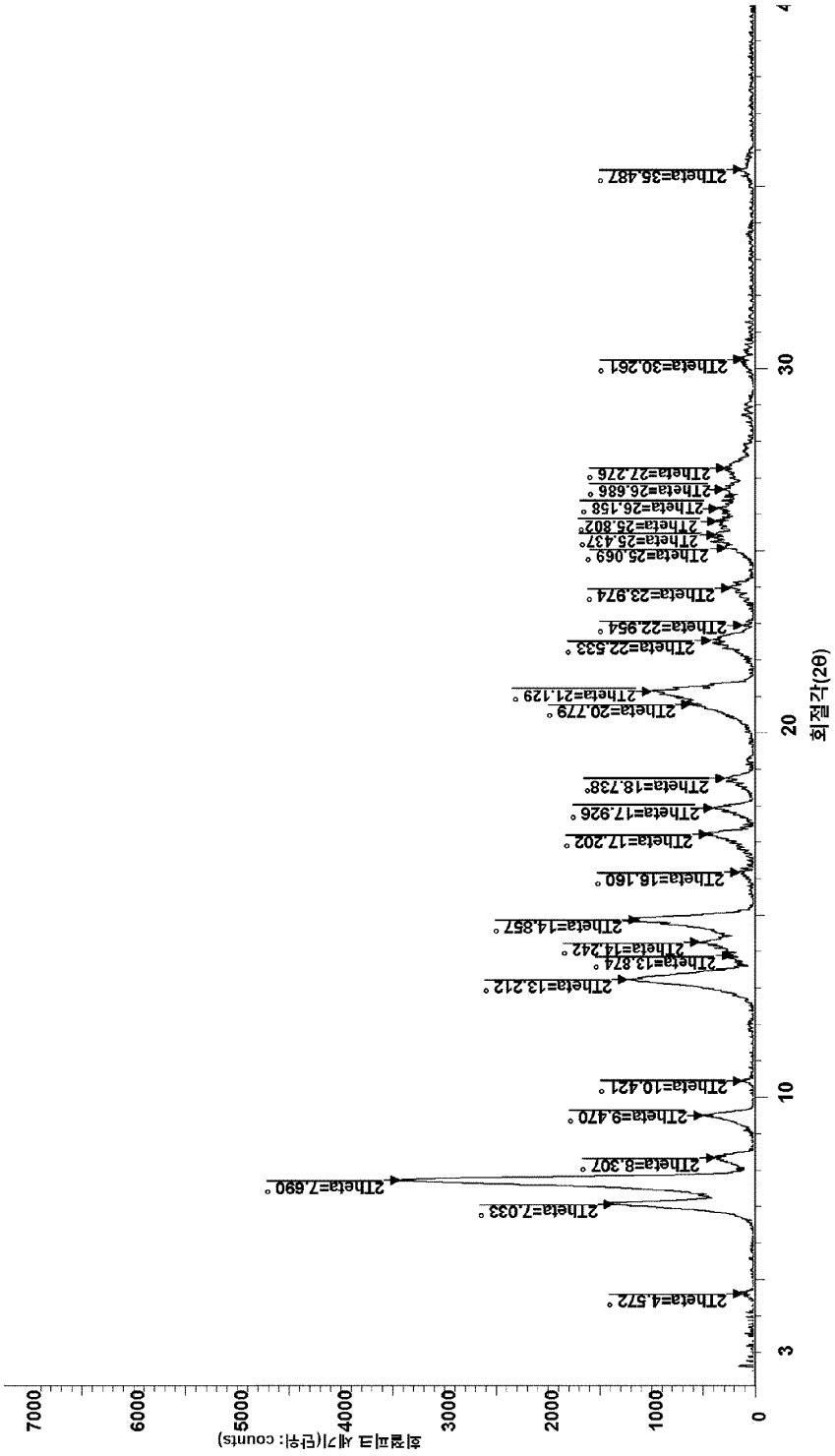
[도2]


Area = 44.0830 mJ
Delta H = 21.2961 J/g
Area = 40.4797 mJ
Delta H = 19.5554 J/g
Area = 70.8459 mJ
Delta H = 34.2251 J/g
Peak = 88.69 °C
Peak = 135.61 °C
Peak = 154.84 °C
열흐름(흡열) (mW)
온도 (°C)

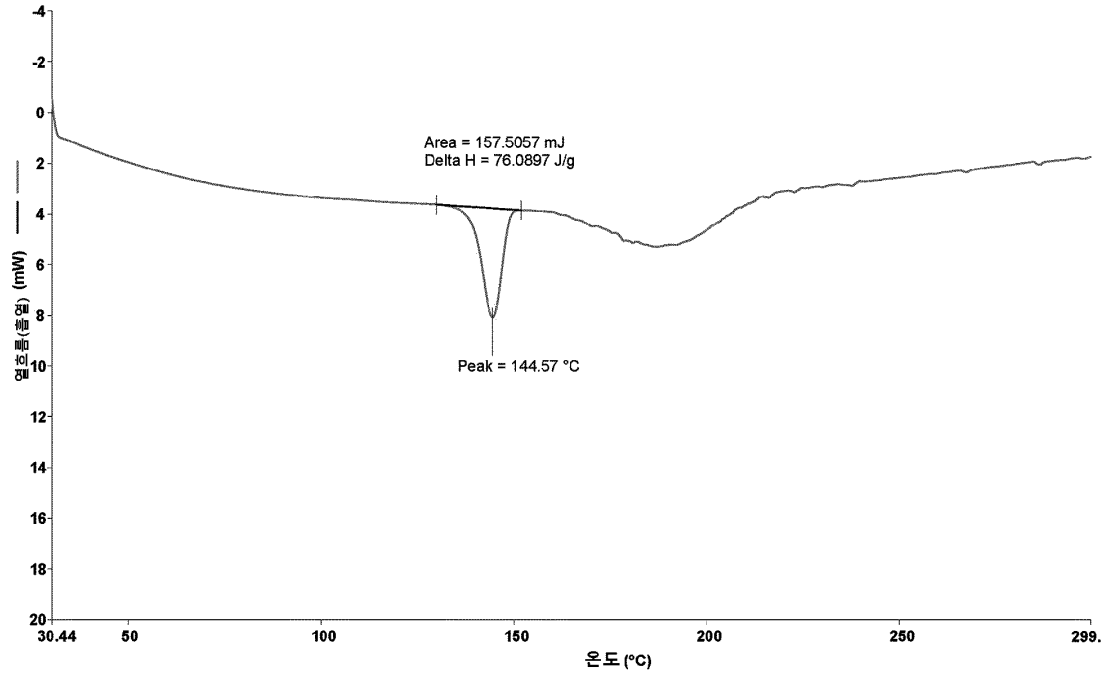
[도3]


Onset Y = 100.004 %
Onset X = 56.98 °C
Delta Y = 2.557 %
Onset Y = 97.581 %
Onset X = 161.59 °C
Onset Y = 75.249 %
Onset X = 301.27 °C
Delta Y = 19.008 %
67.85 °C
−0.673 %/min
Delta Y = 96.969 %
Delta Y = 75.392 %
Onset Y = 97.449 %
Onset X = 72.37 °C
Onset Y = 79.335 %
Onset X = 196.61 °C
PeakX = 179.58 °C
PeakX = 330.88 °C
Onset Y = 3.609 %
Onset X = 350.19 °C
중량 % (%)
미분중량% (%/min)
온도 (°C)

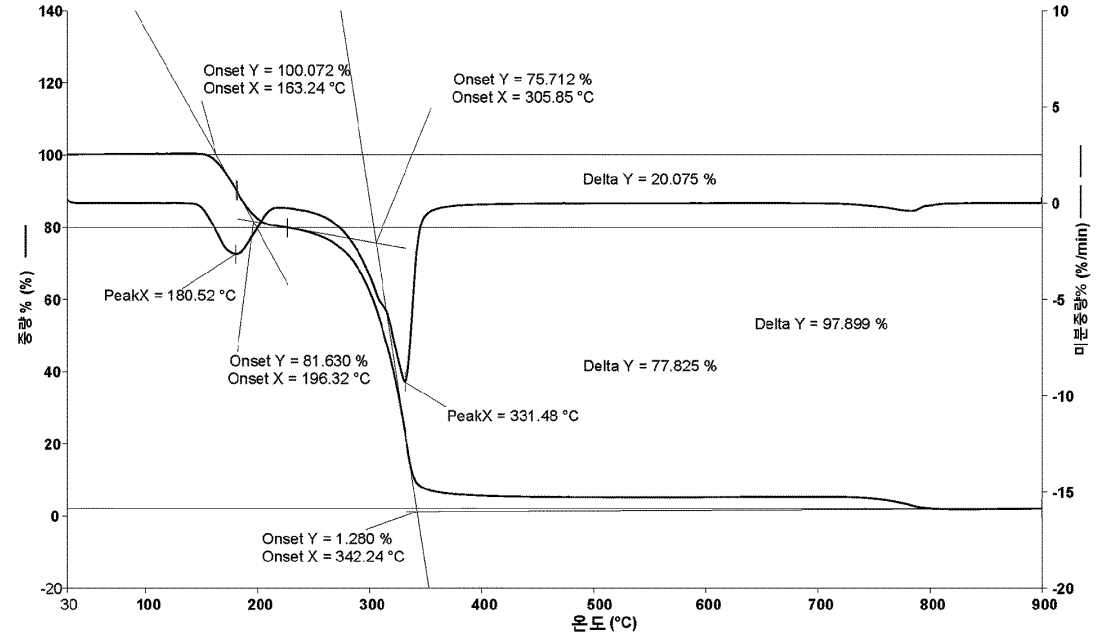
[도4]


2Theta=4.572°
2Theta=7.033°
2Theta=7.690°
2Theta=8.307°
2Theta=9.470°
2Theta=10.421°
2Theta=13.212°
2Theta=13.874°
2Theta=14.242°
2Theta=14.857°
2Theta=16.160°
2Theta=17.202°
2Theta=17.926°
2Theta=18.738°
2Theta=20.779°
2Theta=21.129°
2Theta=22.533°
2Theta=22.954°
2Theta=23.974°
2Theta=25.069°
2Theta=25.437°
2Theta=25.802°
2Theta=26.158°
2Theta=26.686°
2Theta=27.276°
2Theta=30.261°
2Theta=35.487°
회절각(2θ)
회절피크 세기(단위: counts)

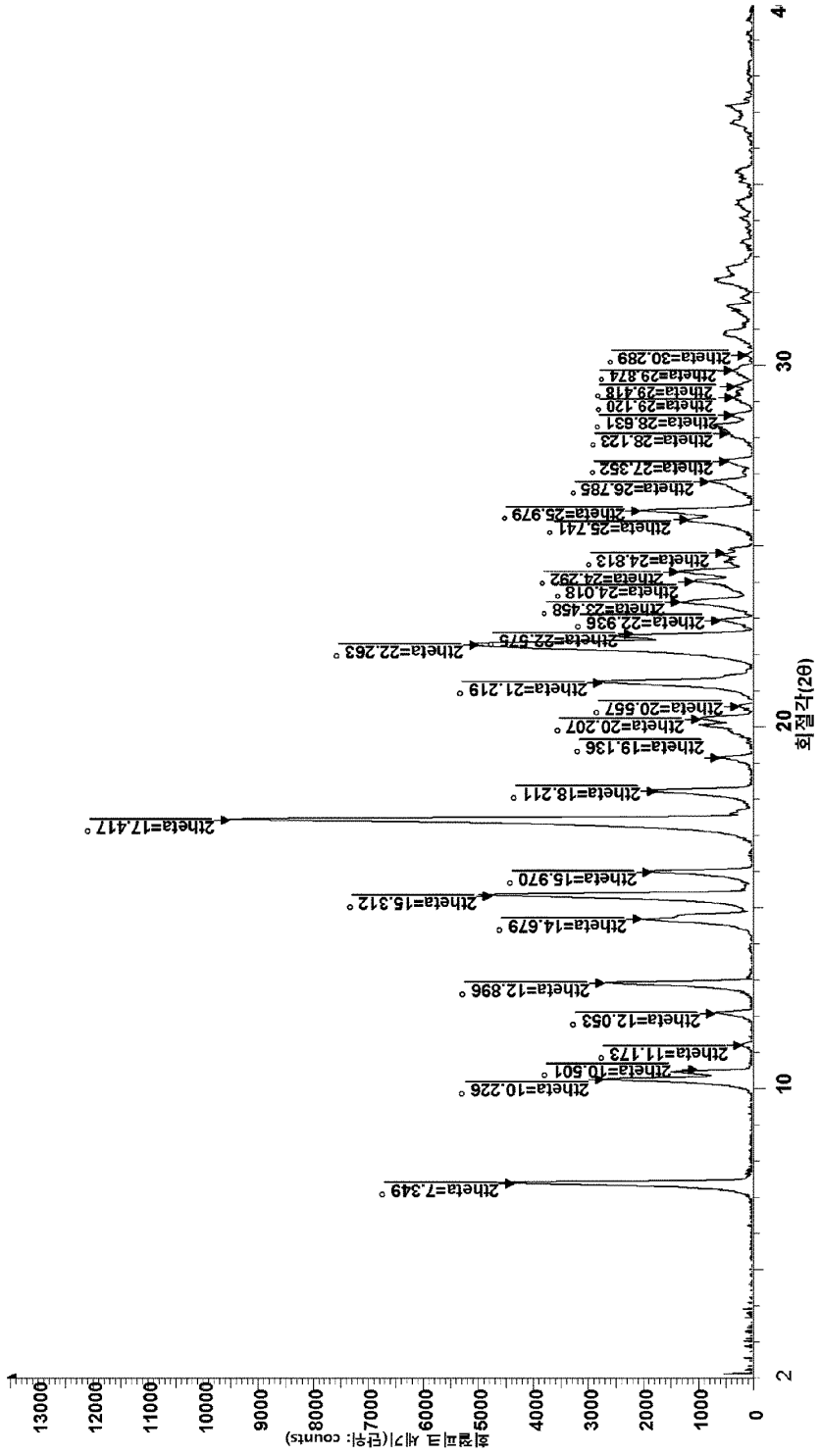
[도5]


Area = 157.5057 mJ
Delta H = 76.0897 J/g
Peak = 144.57 °C
열흐름(흡열) (mW)
온도 (°C)

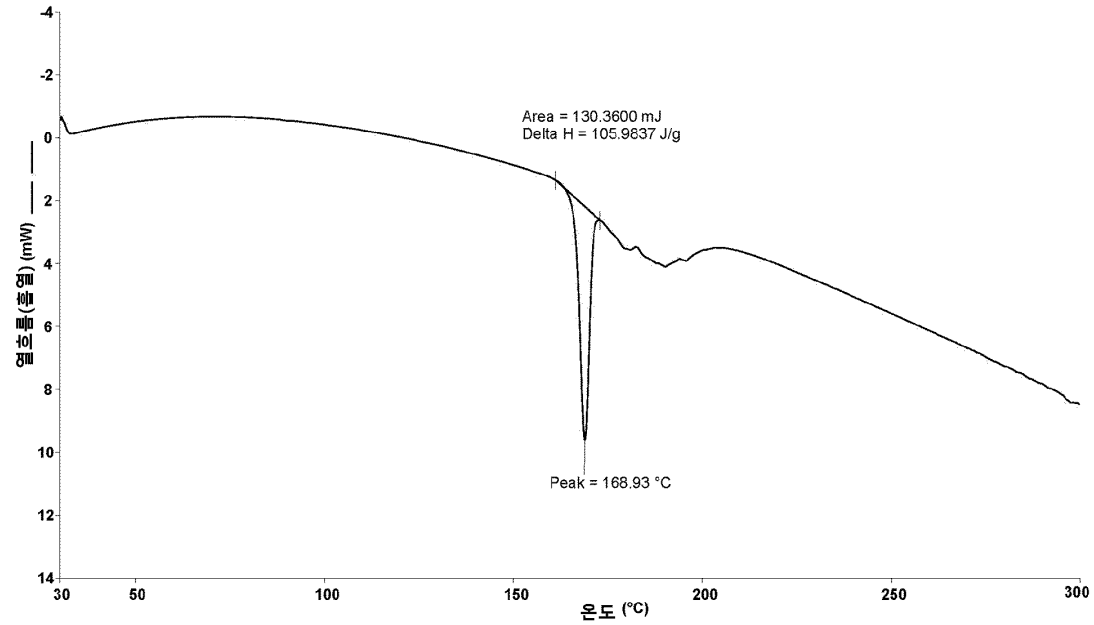
[도6]


Onset Y = 100.072 %
Onset X = 163.24 °C
Onset Y = 75.712 %
Onset X = 305.85 °C
Delta Y = 20.075 %
PeakX = 180.52 °C
Onset Y = 81.630 %
Onset X = 196.32 °C
Delta Y = 97.899 %
Delta Y = 77.825 %
PeakX = 331.48 °C
Onset Y = 1.280 %
Onset X = 342.24 °C
중량 % (%)
미분중량% (%/min)
온도 (°C)

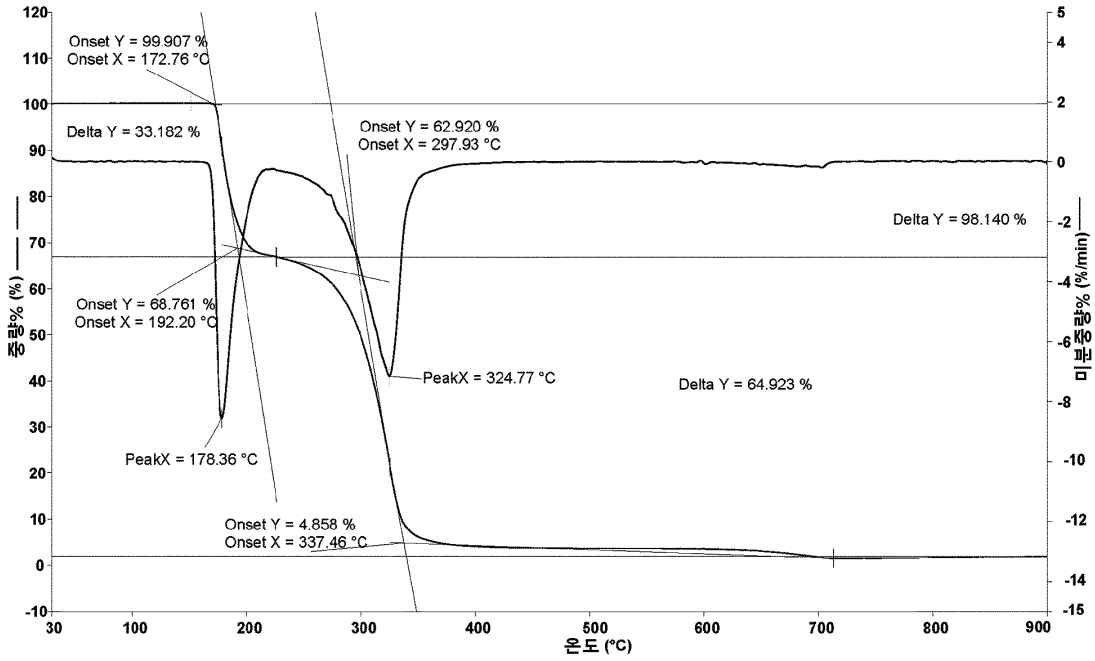
[도7]


2theta=7.349°
2theta=10.226°
2theta=10.501°
2theta=11.173°
2theta=12.053°
2theta=12.896°
2theta=14.679°
2theta=15.312°
2theta=15.970°
2theta=17.417°
2theta=18.211°
2theta=19.136°
2theta=20.207°
2theta=20.557°
2theta=21.219°
2theta=22.263°
2theta=22.575°
2theta=22.936°
2theta=23.458°
2theta=24.018°
2theta=24.282°
2theta=24.813°
2theta=25.741°
2theta=25.979°
2theta=26.785°
2theta=27.352°
2theta=28.123°
2theta=28.631°
2theta=29.120°
2theta=29.418°
2theta=29.874°
2theta=30.289°
회절각(2θ)
회절피크 세기(단위: counts)

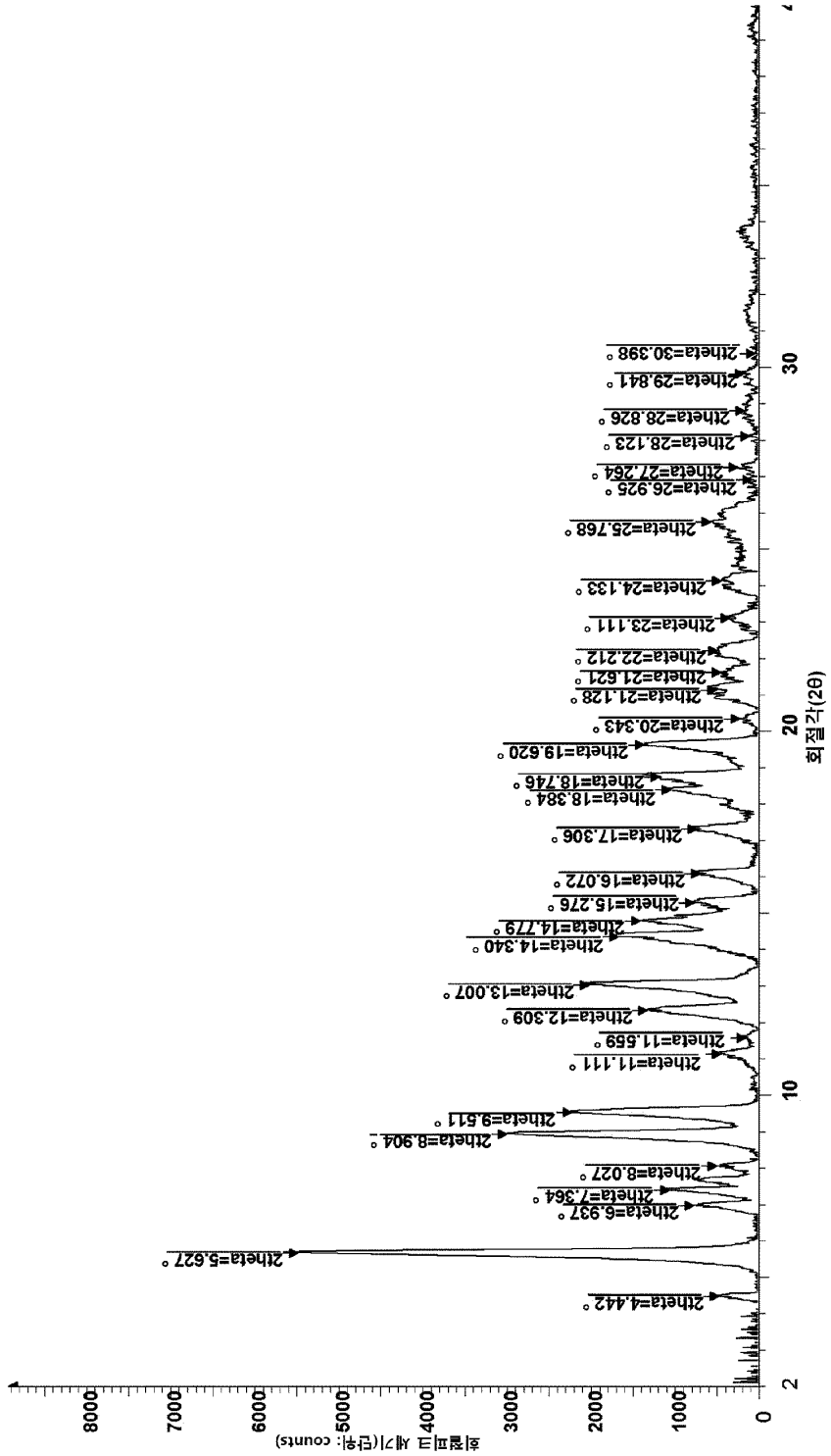
[도8]


Area = 130.3600 mJ
Delta H = 105.9837 J/g
Peak = 168.93 °C
열흐름 (흡열) (mW)
온도 (°C)

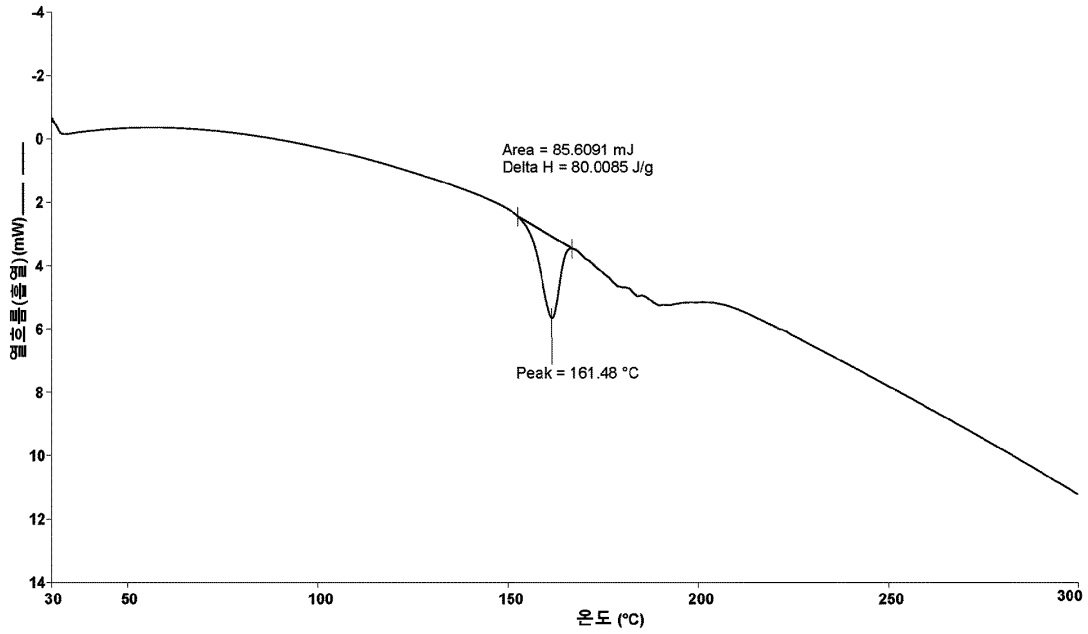
[도9]


Onset Y = 99.907 %
Onset X = 172.76 °C
Delta Y = 33.182 %
Onset Y = 62.920 %
Onset X = 297.93 °C
Delta Y = 98.140 %
Onset Y = 68.761 %
Onset X = 192.20 °C
PeakX = 324.77 °C
Delta Y = 64.923 %
PeakX = 178.36 °C
Onset Y = 4.858 %
Onset X = 337.46 °C
중량% (%)
미분중량% (%/min)
온도 (°C)

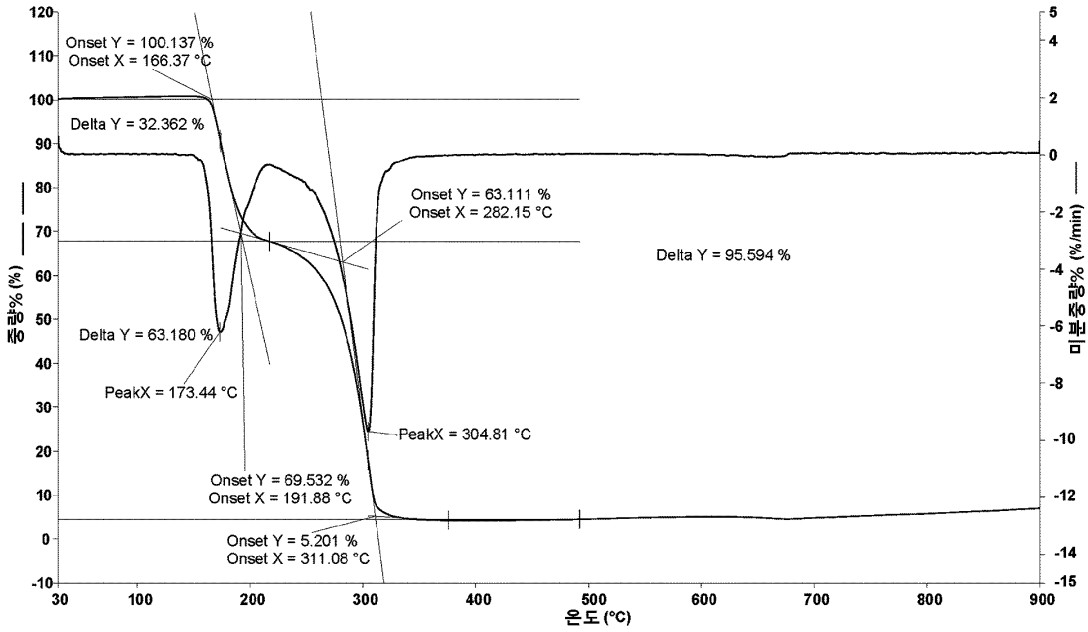
[도10]


2theta=4.442°
2theta=5.627°
2theta=6.937°
2theta=7.364°
2theta=8.027°
2theta=8.904°
2theta=9.611°
2theta=11.111°
2theta=11.659°
2theta=12.309°
2theta=13.007°
2theta=14.340°
2theta=14.779°
2theta=15.276°
2theta=16.072°
2theta=17.306°
2theta=18.384°
2theta=18.746°
2theta=19.620°
2theta=20.343°
2theta=21.128°
2theta=21.621°
2theta=22.212°
2theta=23.111°
2theta=24.133°
2theta=25.768°
2theta=26.925°
2theta=27.264°
2theta=28.123°
2theta=28.826°
2theta=29.841°
2theta=30.398°
회절피크 세기(단위: counts)
회절각(2θ)

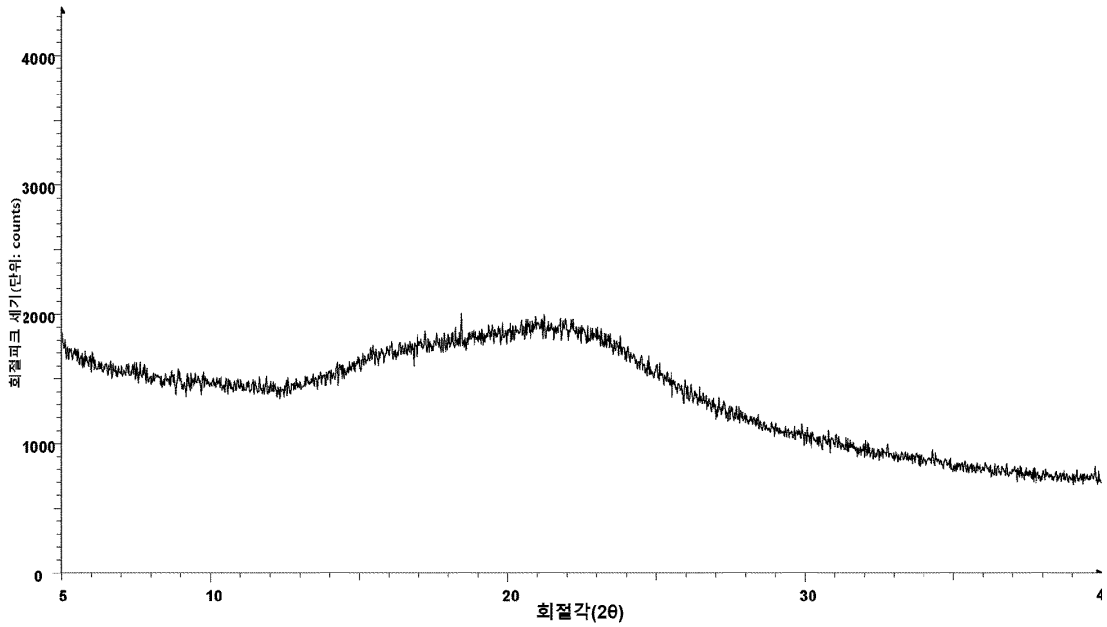
[도11]


Area = 85.6091 mJ
Delta H = 80.0085 J/g
Peak = 161.48 °C
열흐름(흡열) (mW)
온도 (°C)

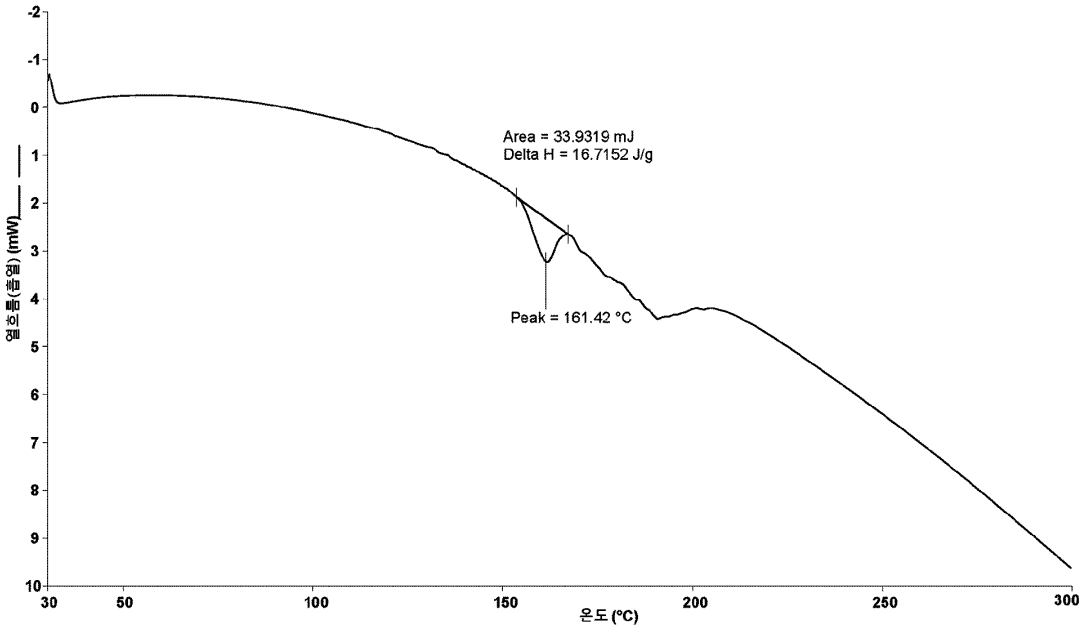
[도12]


Onset Y = 100.137 %
Onset X = 166.37 °C
Delta Y = 32.362 %
Onset Y = 63.111 %
Onset X = 282.15 °C
Delta Y = 95.594 %
Delta Y = 63.180 %
PeakX = 173.44 °C
PeakX = 304.81 °C
Onset Y = 69.532 %
Onset X = 191.88 °C
Onset Y = 5.201 %
Onset X = 311.08 °C
중량% (%)
미분중량% (%/min)
온도 (°C)

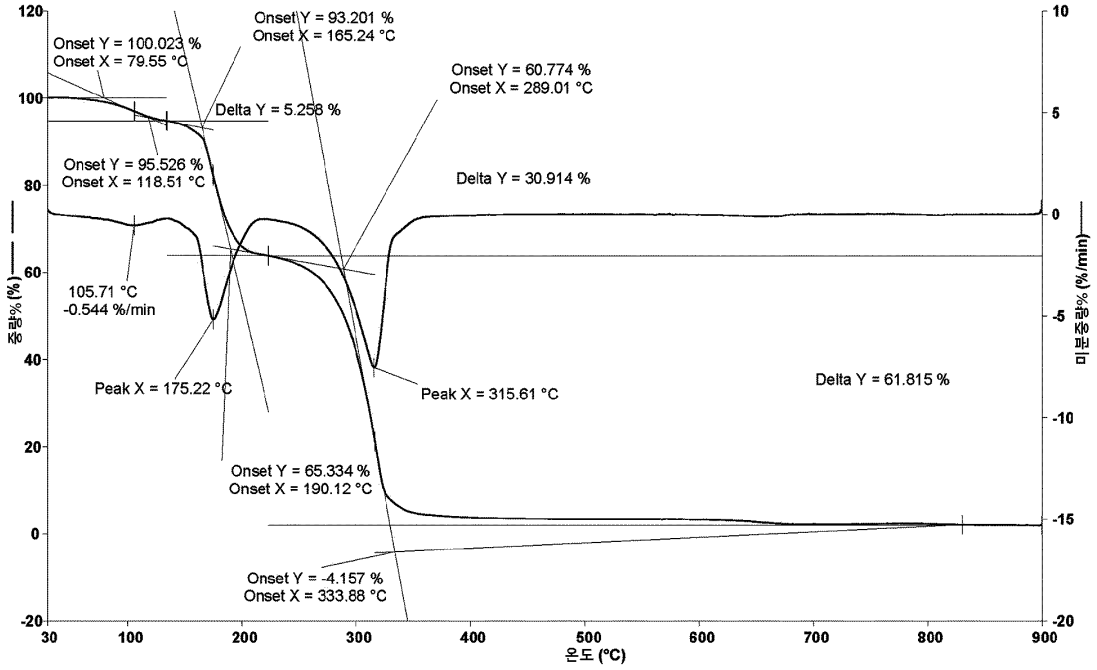
[도13]


4000
3000
2000
1000
0
회절피크 세기(단위: counts)
5
10
20
30
회절각(2θ)

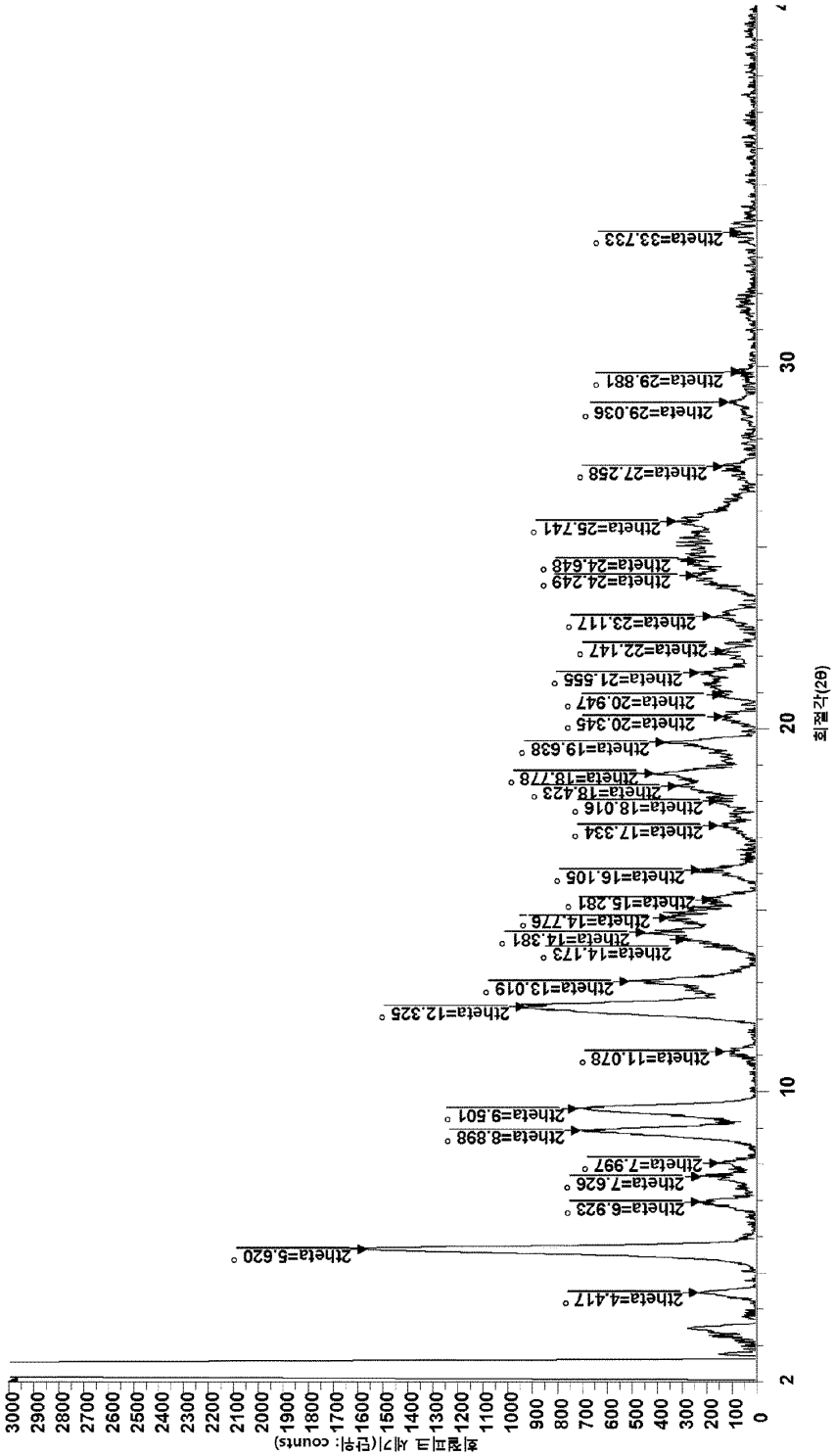
[도14]


-2
-1
0
1
2
3
4
5
6
7
8
9
10
열흐름(흡열) (mW)
Area = 33.9319 mJ
Delta H = 16.7152 J/g
Peak = 161.42 °C
30
50
100
150
200
250
300
온도 (°C)

[도15]


Onset Y = 100.023 %
Onset X = 79.55 °C
Onset Y = 93.201 %
Onset X = 165.24 °C
Delta Y = 5.258 %
Onset Y = 60.774 %
Onset X = 289.01 °C
Delta Y = 30.914 %
Onset Y = 95.526 %
Onset X = 118.51 °C
105.71 °C
-0.544 %/min
Peak X = 175.22 °C
Peak X = 315.61 °C
Delta Y = 61.815 %
Onset Y = 65.334 %
Onset X = 190.12 °C
Onset Y = -4.157 %
Onset X = 333.88 °C
중량% (%)
미분중량% (%/min)
온도 (°C)

[도16]


2theta=4.417°
2theta=5.620°
2theta=6.923°
2theta=7.626°
2theta=7.997°
2theta=8.898°
2theta=9.501°
2theta=11.078°
2theta=12.325°
2theta=13.019°
2theta=14.173°
2theta=14.381°
2theta=14.776°
2theta=15.281°
2theta=16.105°
2theta=17.334°
2theta=18.016°
2theta=18.423°
2theta=18.778°
2theta=19.638°
2theta=20.345°
2theta=20.947°
2theta=21.555°
2theta=22.147°
2theta=23.117°
2theta=24.249°
2theta=24.648°
2theta=25.741°
2theta=27.258°
2theta=29.036°
2theta=29.881°
2theta=33.733°
회절강도 세기(단위: counts)
회절각(2θ)