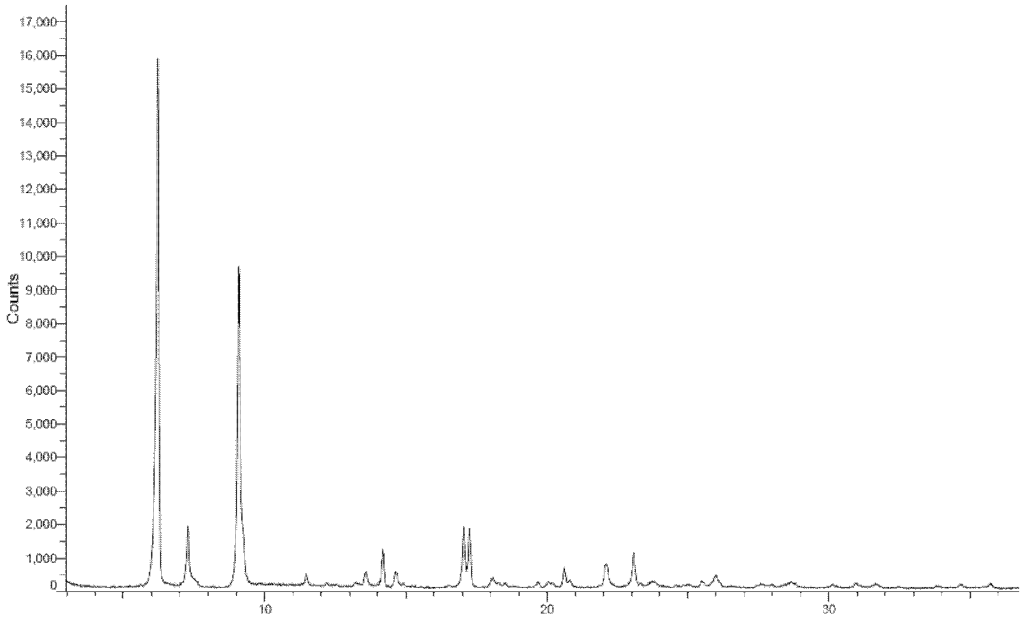

Counts
17,000
16,000
15,000
14,000
13,000
12,000
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 1

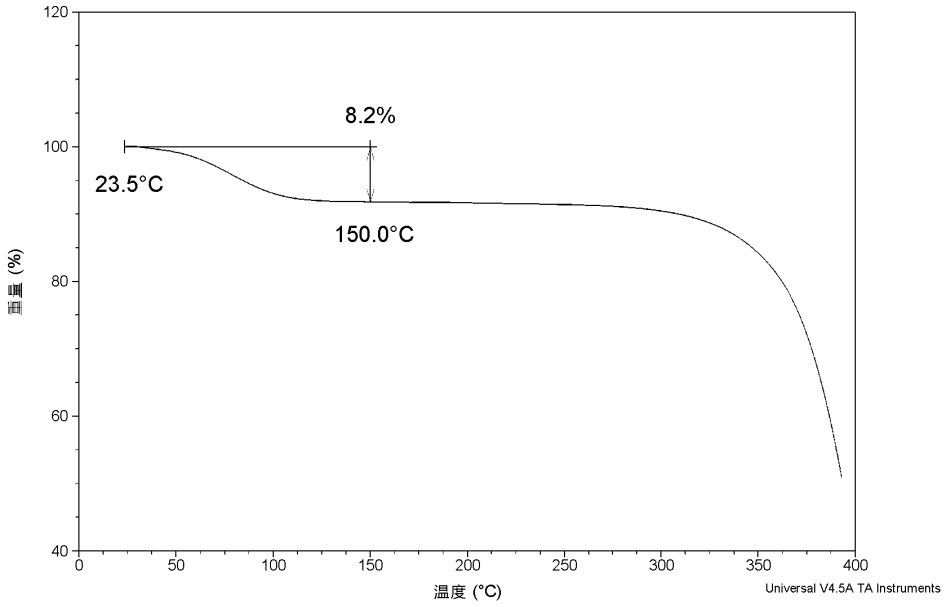

8.2%
23.5°C
150.0°C
重量 (%)
120
100
80
60
40
0
50
100
150
200
250
300
350
400
温度 (°C)
Universal V4.5A TA Instruments

图 2

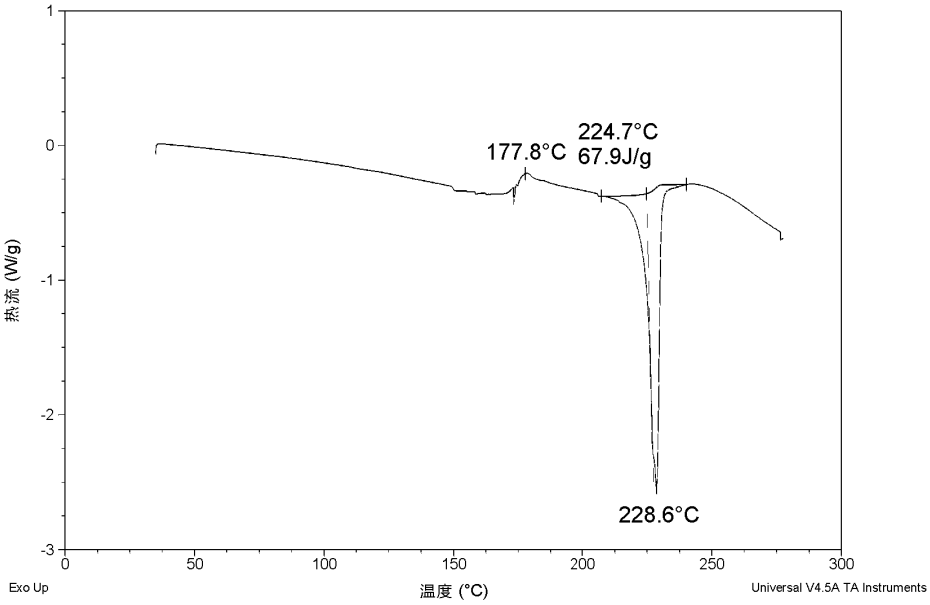

1
0
-1
-2
-3
热流 (W/g)
177.8°C
224.7°C
67.9J/g
228.6°C
0
50
100
150
200
250
300
Exo Up
温度 (°C)
Universal V4.5A TA Instruments

图 3

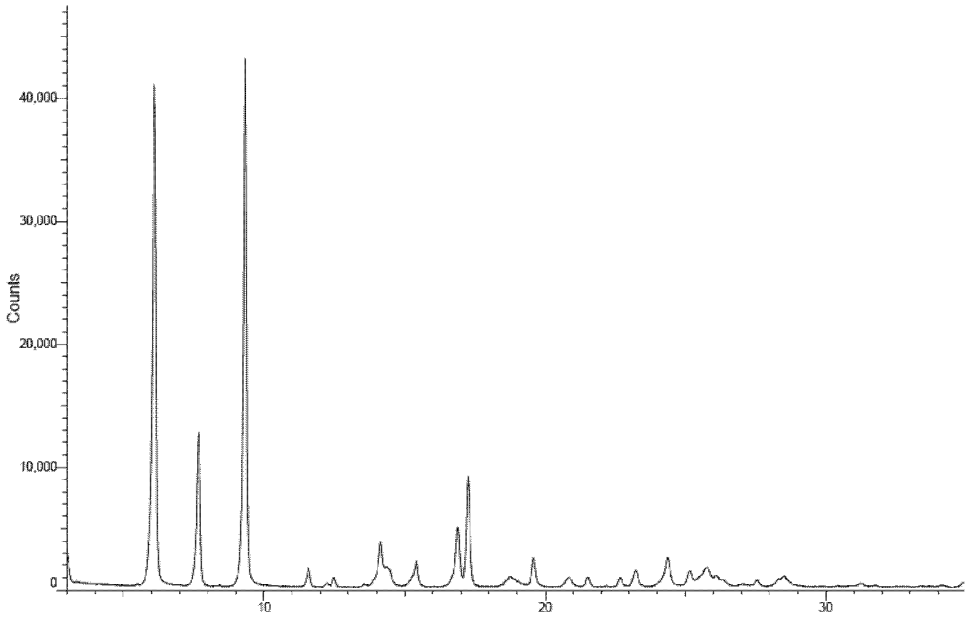

40,000
30,000
20,000
10,000
0
Counts
10
20
30

图 4

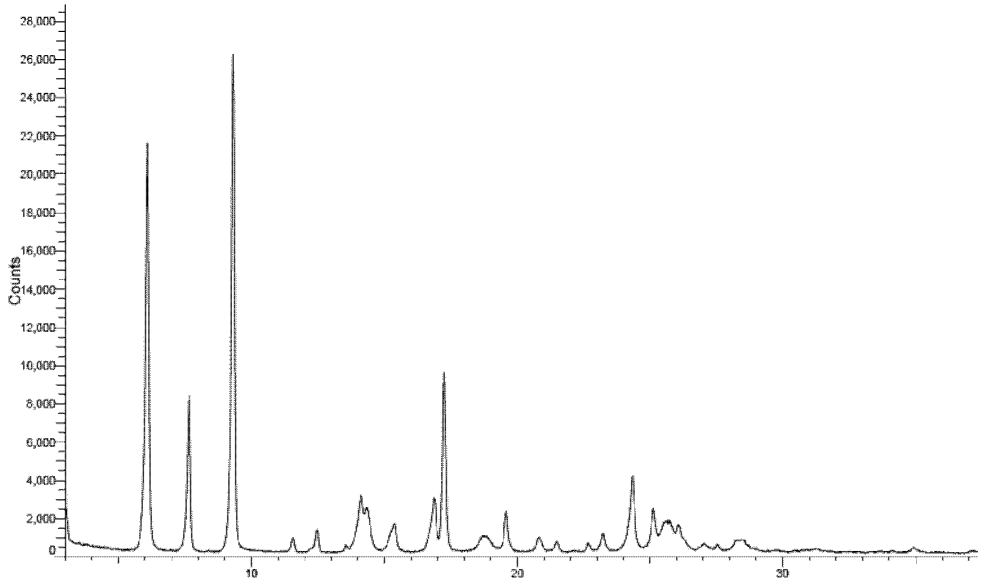

Counts
28,000
26,000
24,000
22,000
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
10
20
30

图 5

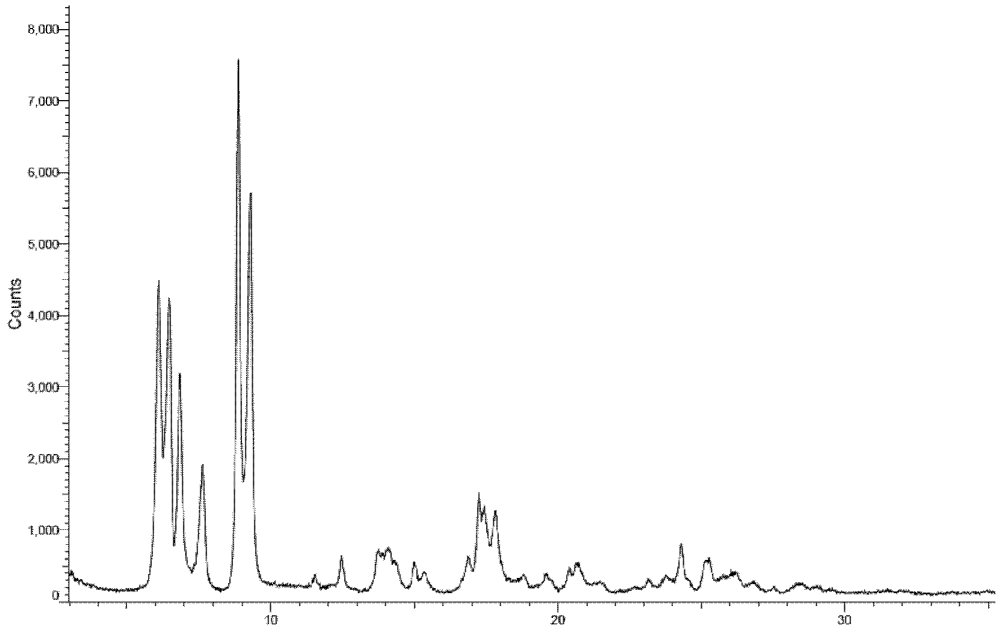

Counts
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 6

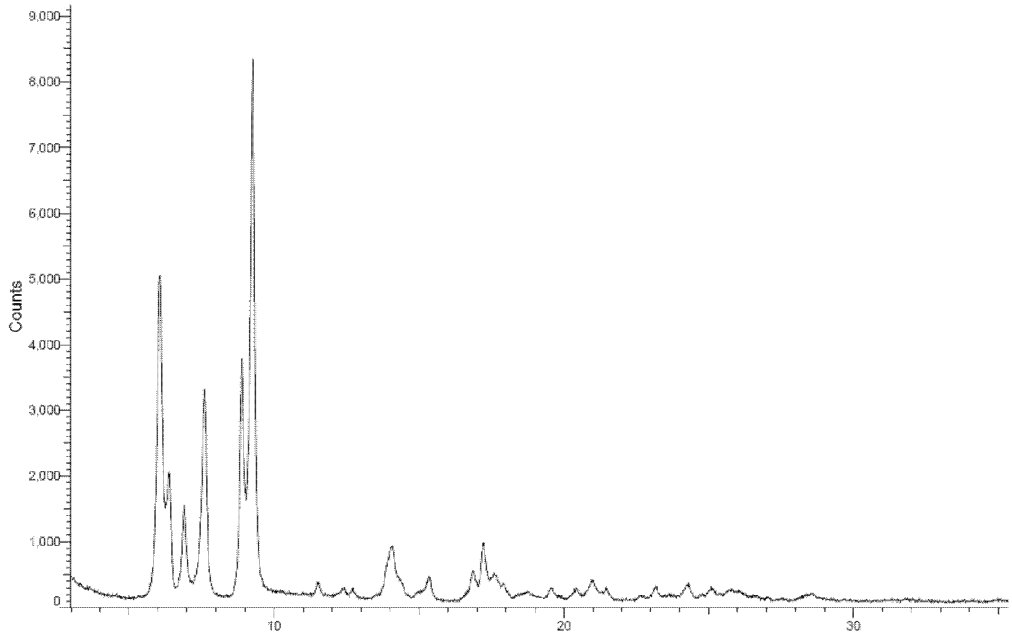

9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
Counts
10
20
30

图 7

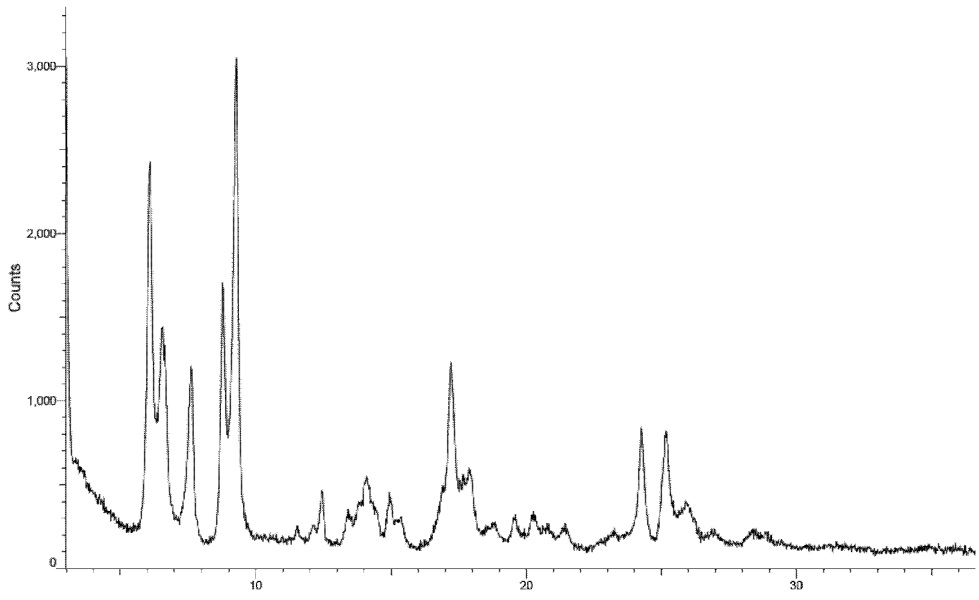

3,000
2,000
1,000
0
Counts
10
20
30

图 8

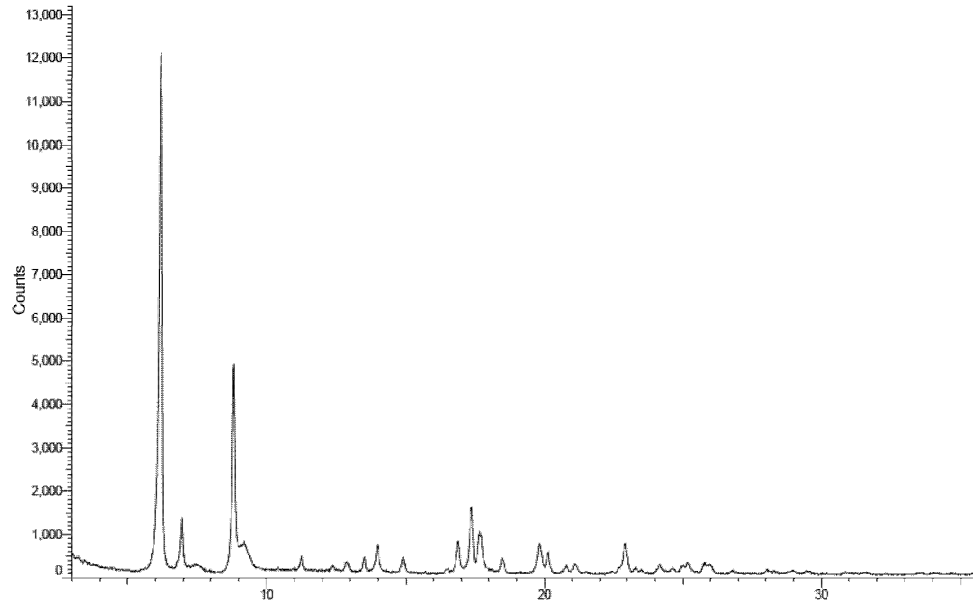

Counts
13,000
12,000
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 9

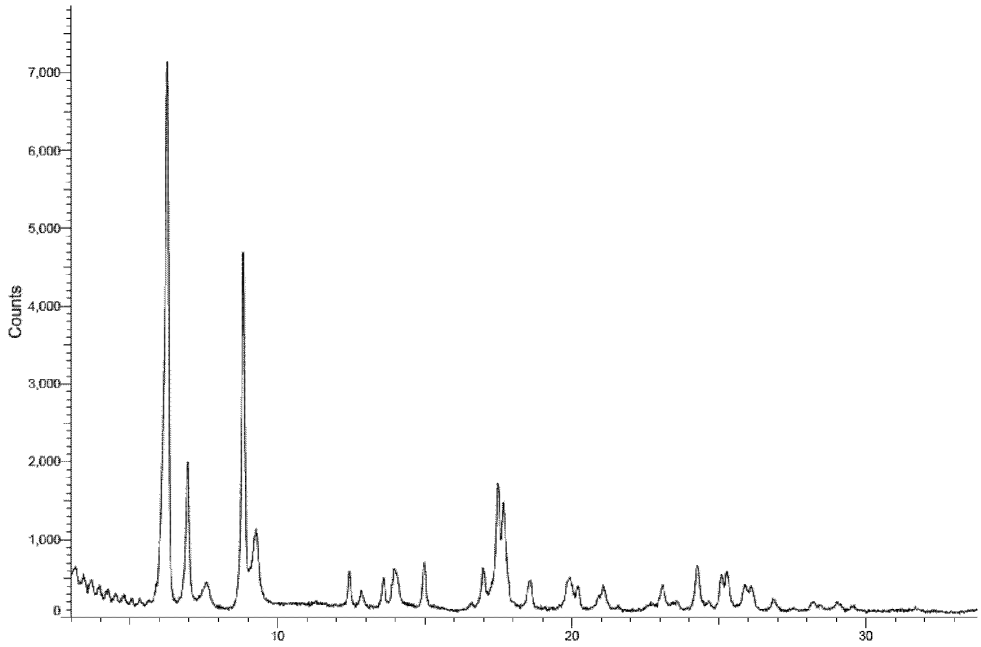

Counts
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 10

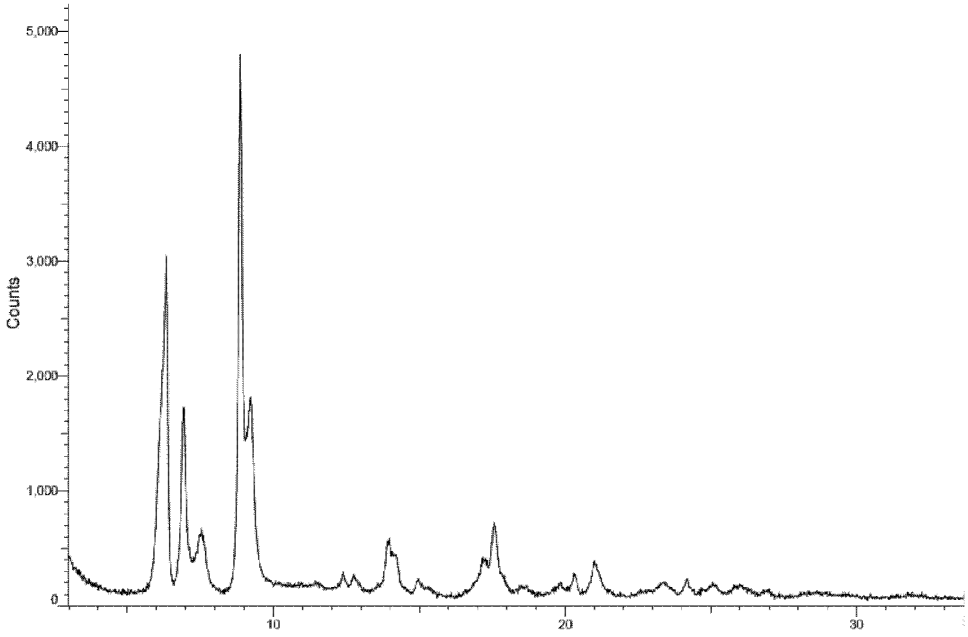

Counts
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 11

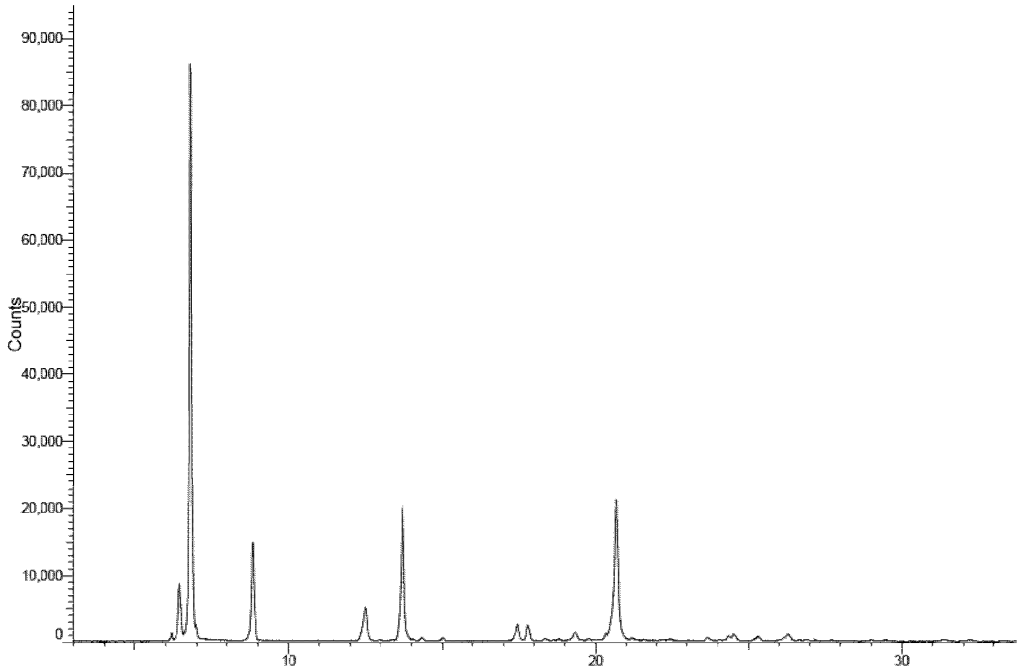

Counts
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
10
20
30

图 12

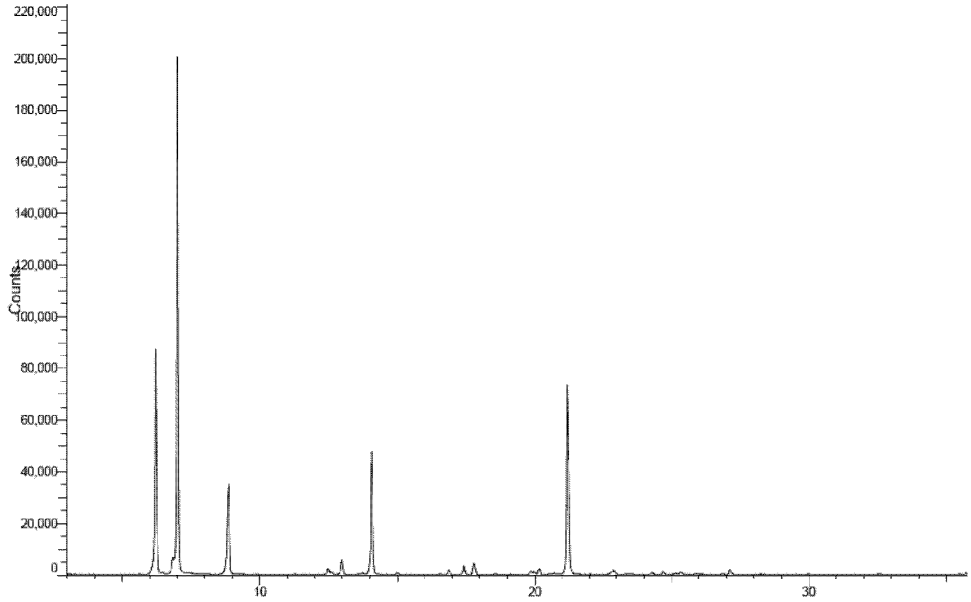

Counts
220,000
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
10
20
30

图 13

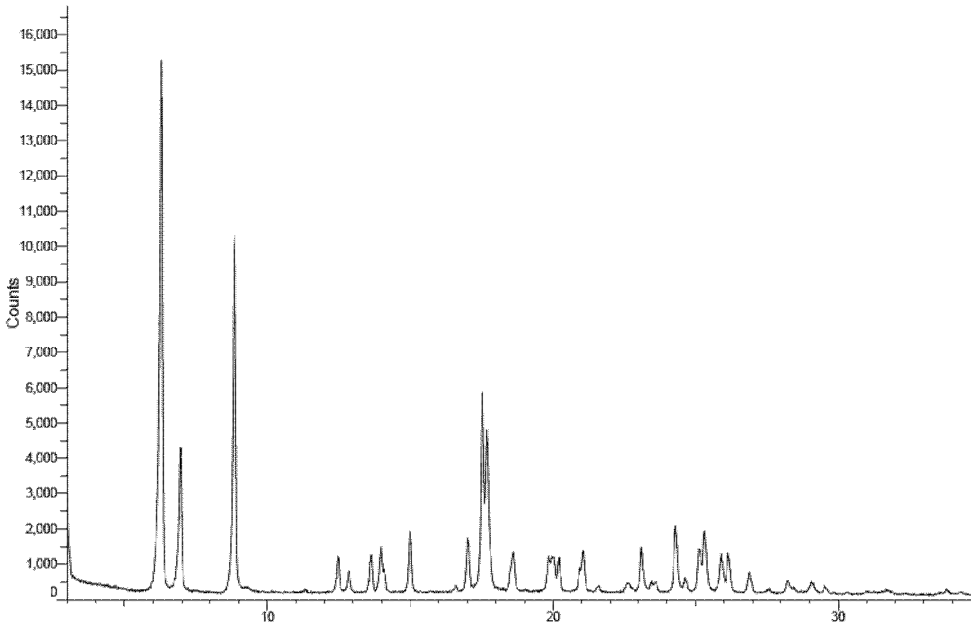

Counts
16,000
15,000
14,000
13,000
12,000
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 14

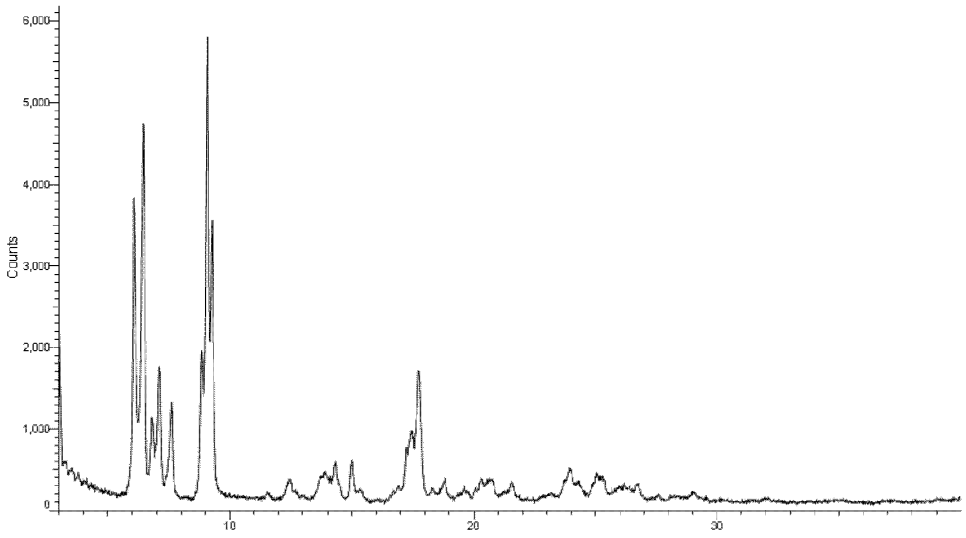

Counts
8,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 15

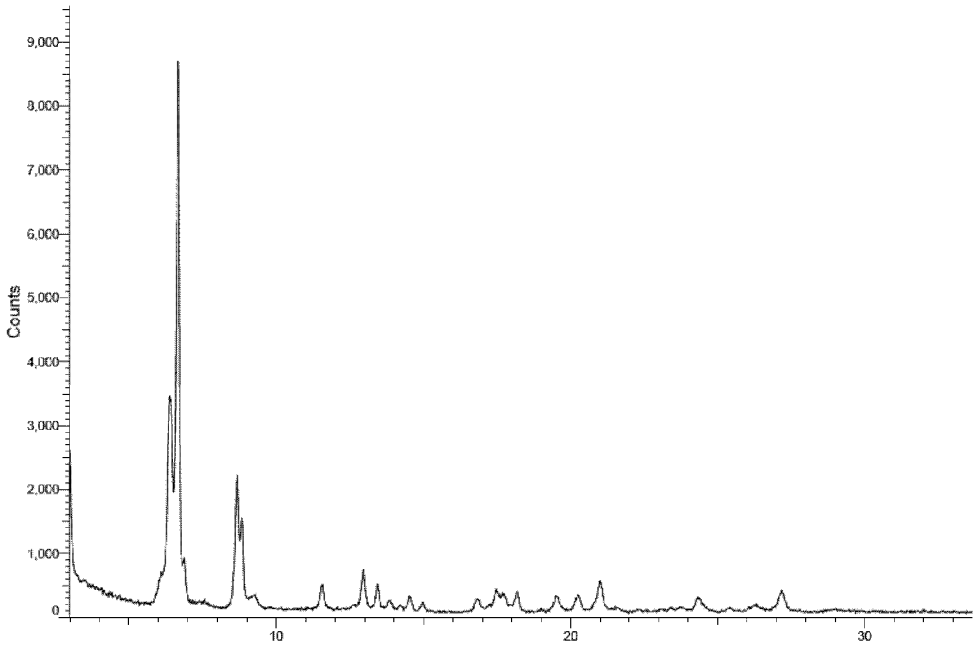

Counts
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 16

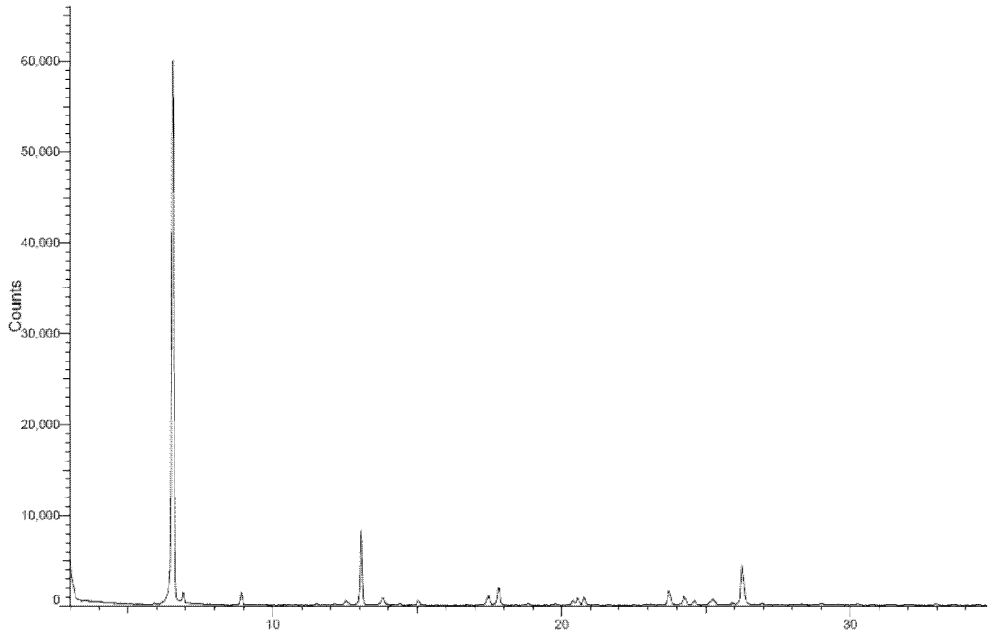

Counts
60,000
50,000
40,000
30,000
20,000
10,000
0
10
20
30

图 17

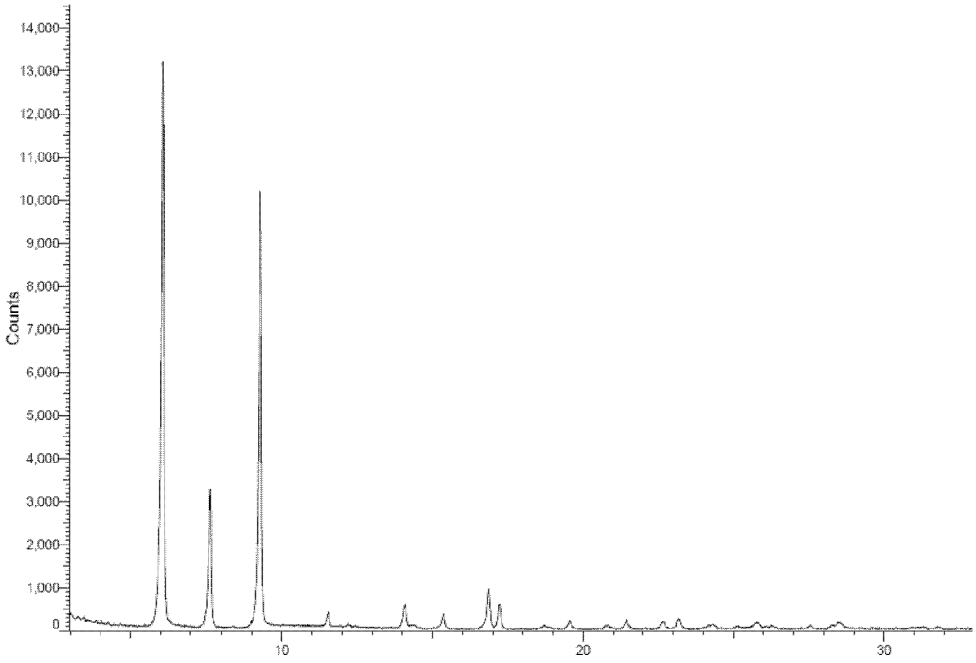

Counts
14,000
13,000
12,000
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10
20
30

图 18

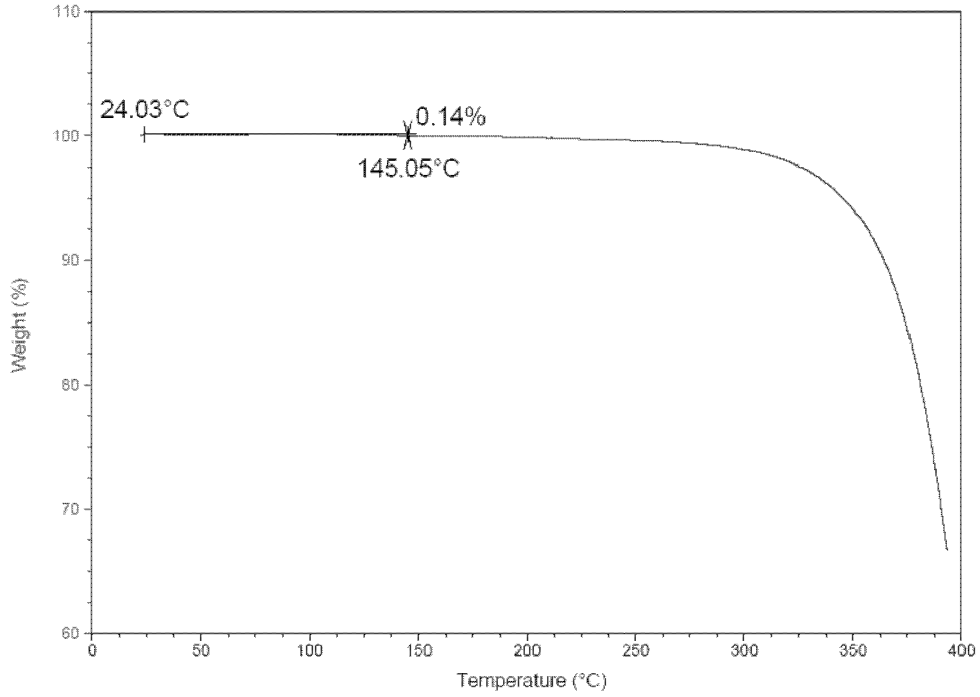

24.03°C
0.14%
145.05°C
Weight (%)
Temperature (°C)

图 19

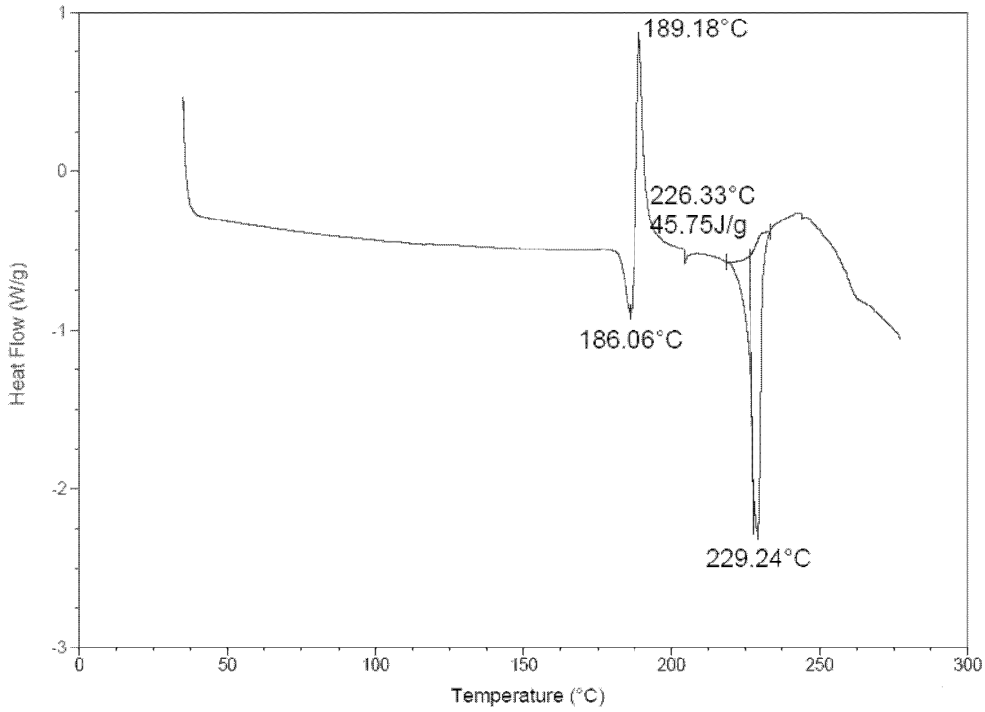

189.18°C
226.33°C
45.75J/g
186.06°C
229.24°C
Heat Flow (W/g)
Temperature (°C)

图 20

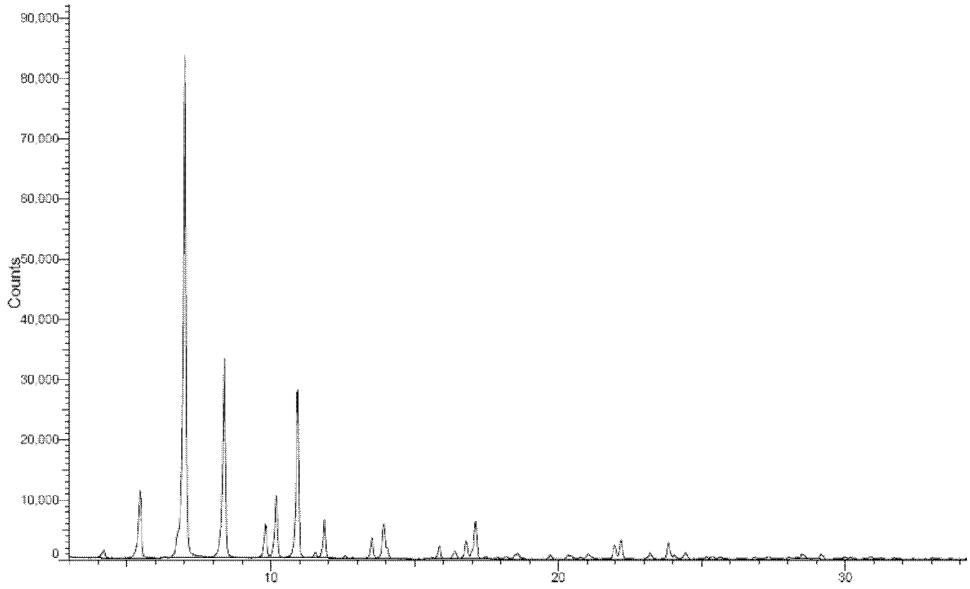

Counts
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
10
20
30

图 21

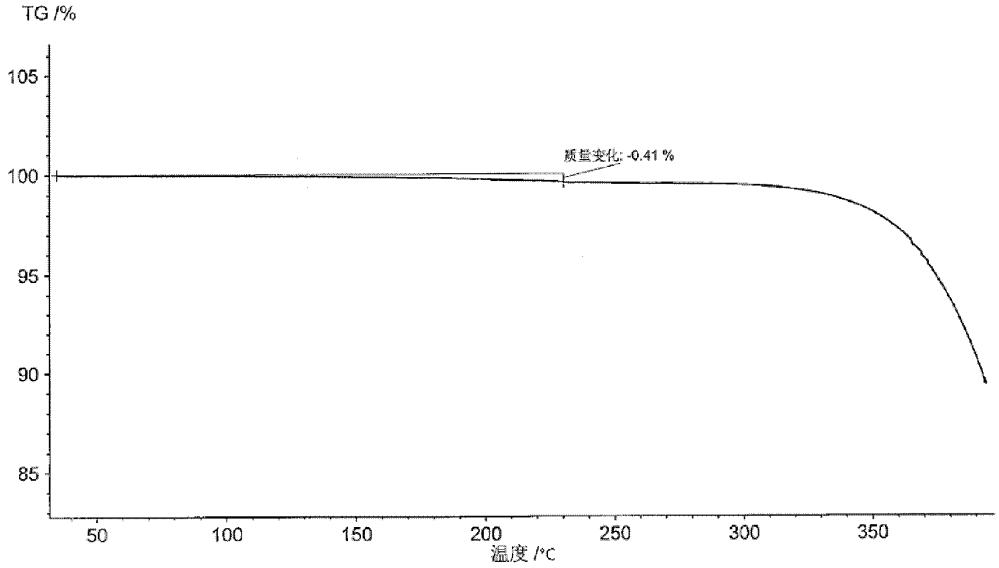

TG /%
105
100
95
90
85
质量变化: -0.41 %
50
100
150
200
250
300
350
温度 /°C

图 22

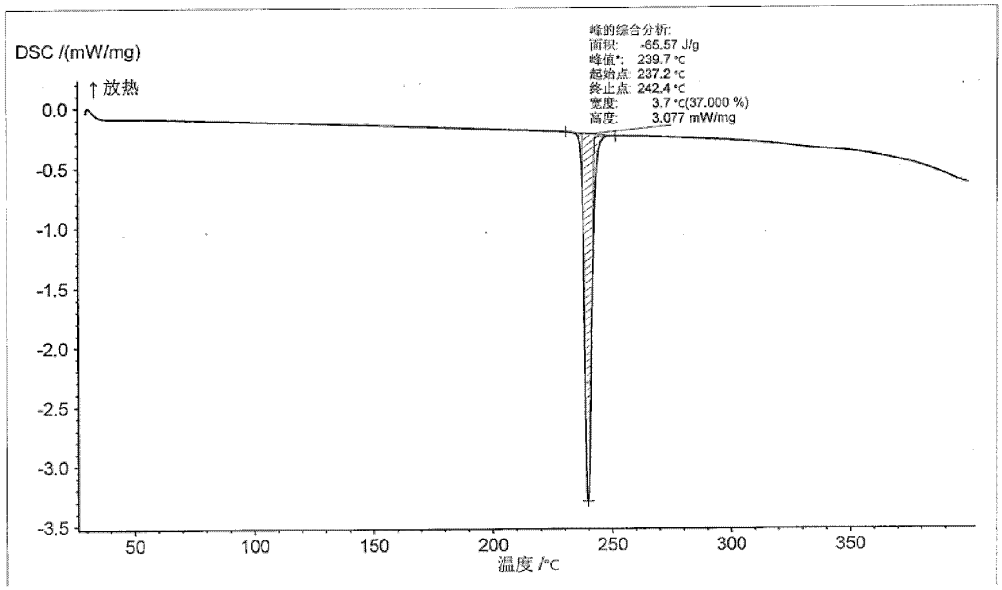

DSC /(mW/mg)
↑放热
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
-3.0
-3.5
50
100
150
200
250
300
350
温度 /°C
峰的综合分析:
面积: -65.57 J/g
峰值*: 239.7 °C
起始点: 237.2 °C
终止点: 242.4 °C
宽度: 3.7 °C(37.000 %)
高度: 3.077 mW/mg

图 23

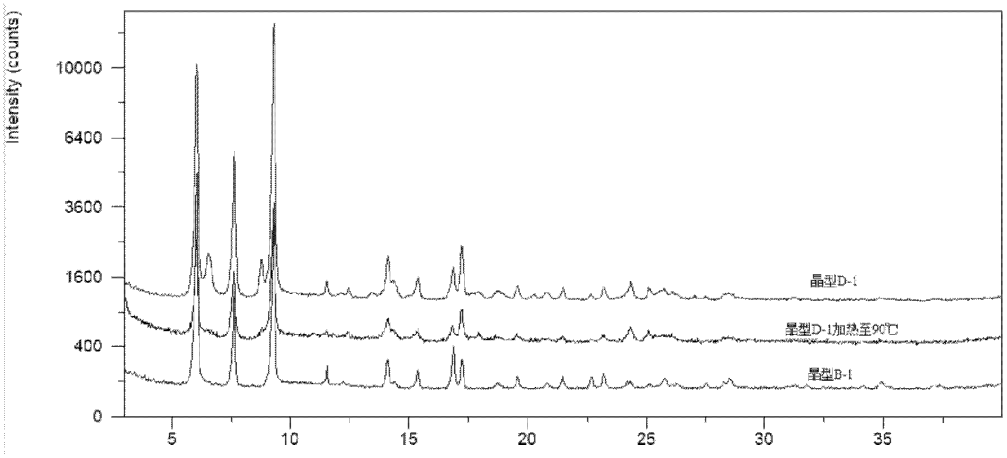

Intensity (counts)
10000
6400
3600
1600
400
0
5
10
15
20
25
30
35
晶型D-1
晶型D-1加热至90℃
晶型B-1

图 24

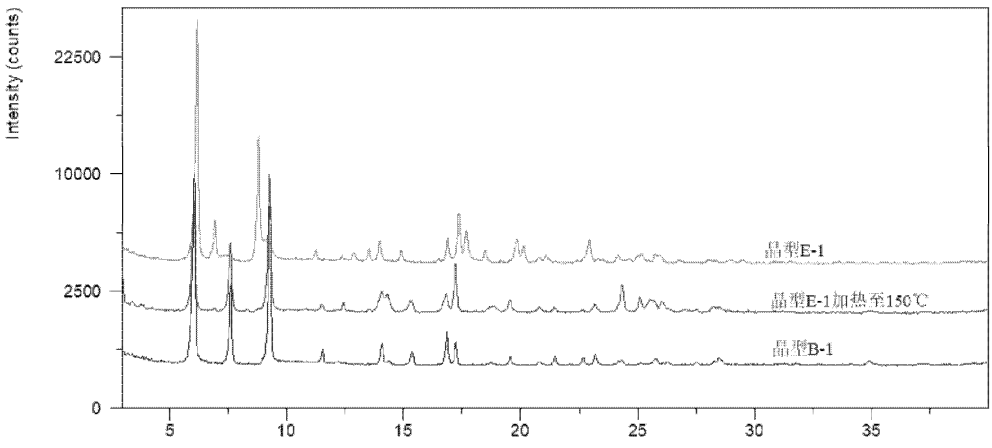

Intensity (counts)
22500
10000
2500
0
5
10
15
20
25
30
35
晶型E-1
晶型E-1加热至150℃
晶型B-1

图 25

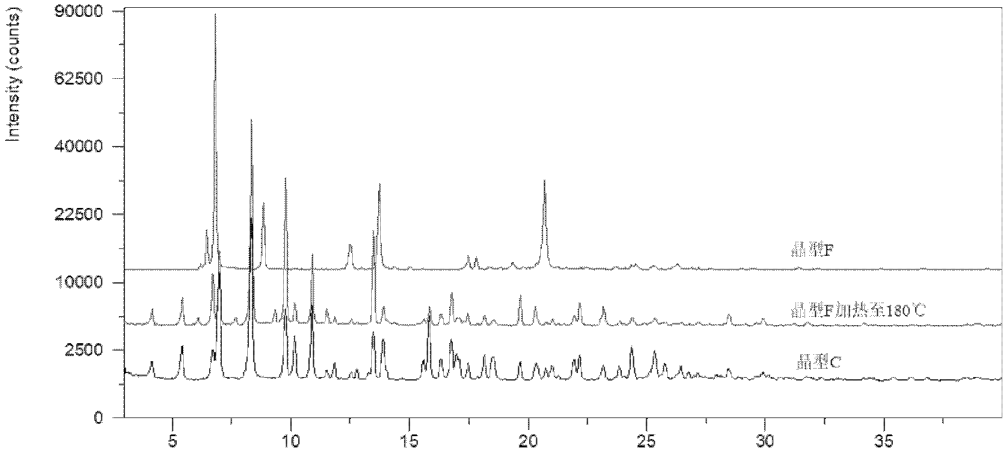


图 26

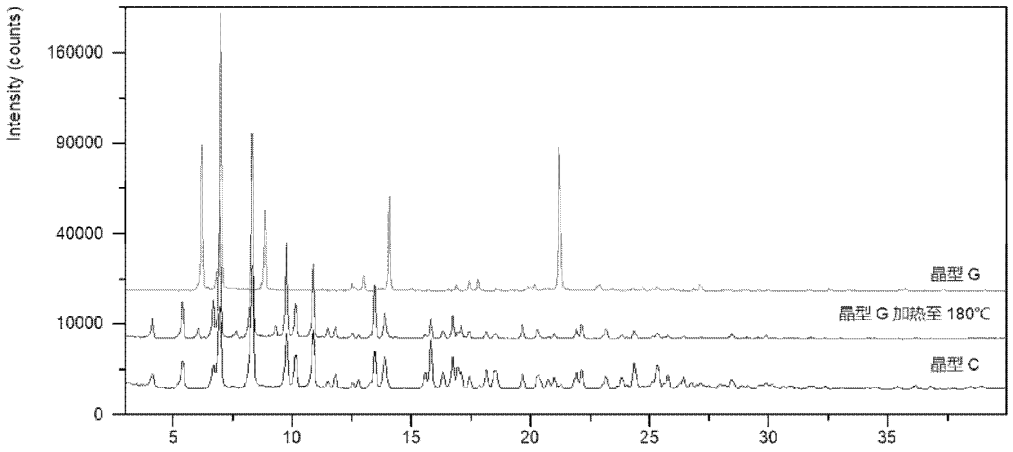


图 27

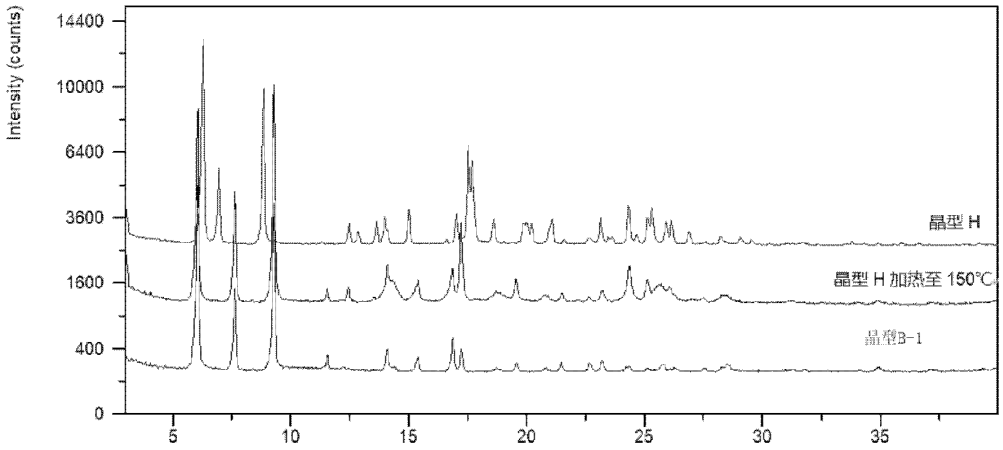


图 28

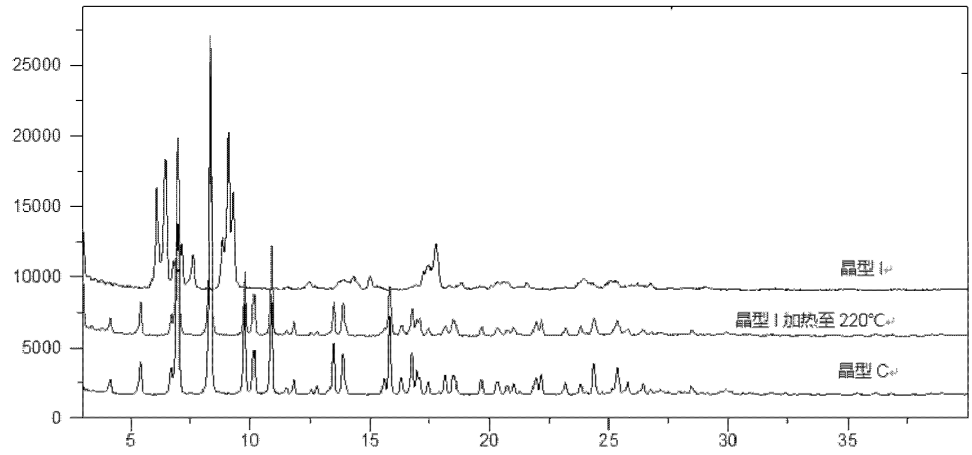

25000
20000
15000
10000
5000
0
5
10
15
20
25
30
35
晶型 I
晶型 I 加热至 220℃
晶型 C

图 29

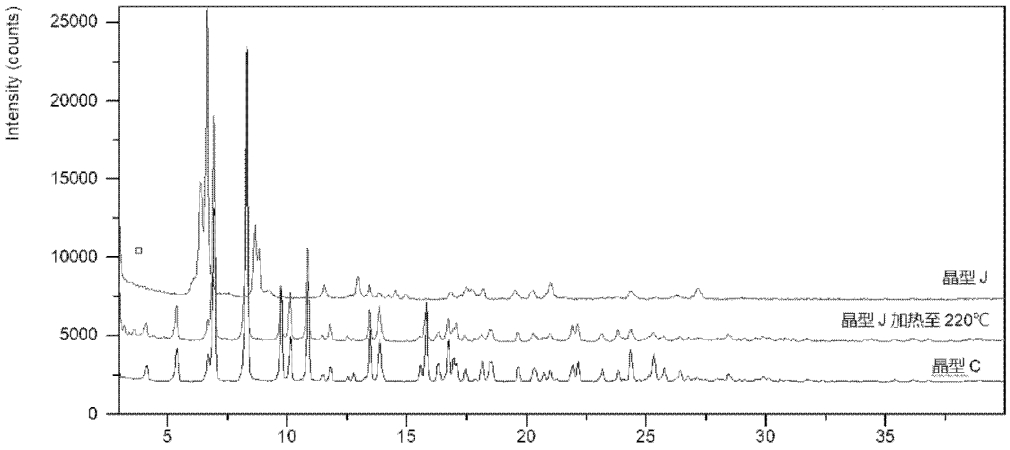

Intensity (counts)
25000
20000
15000
10000
5000
0
5
10
15
20
25
30
35
晶型 J
晶型 J 加热至 220℃
晶型 C

图 30

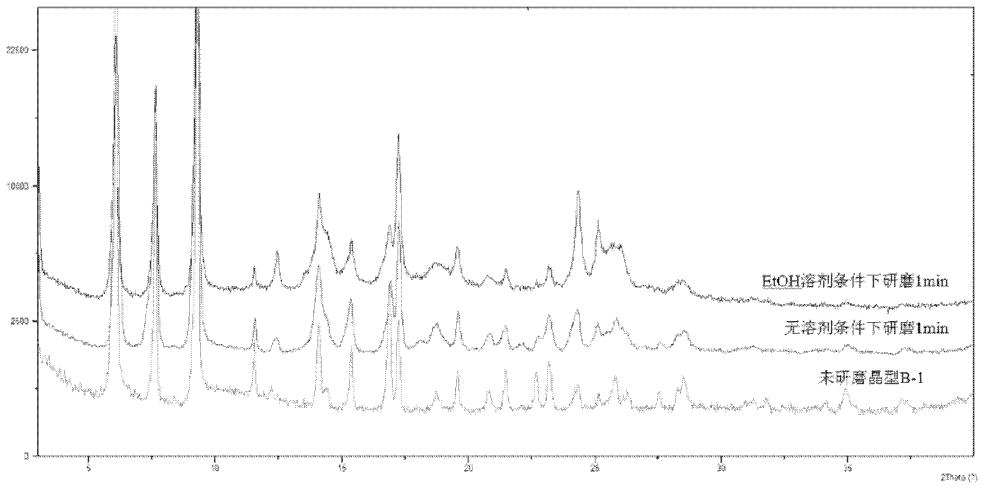

EtOH溶剂条件下研磨1min
无溶剂条件下研磨1min
未研磨晶型B-1

图 31

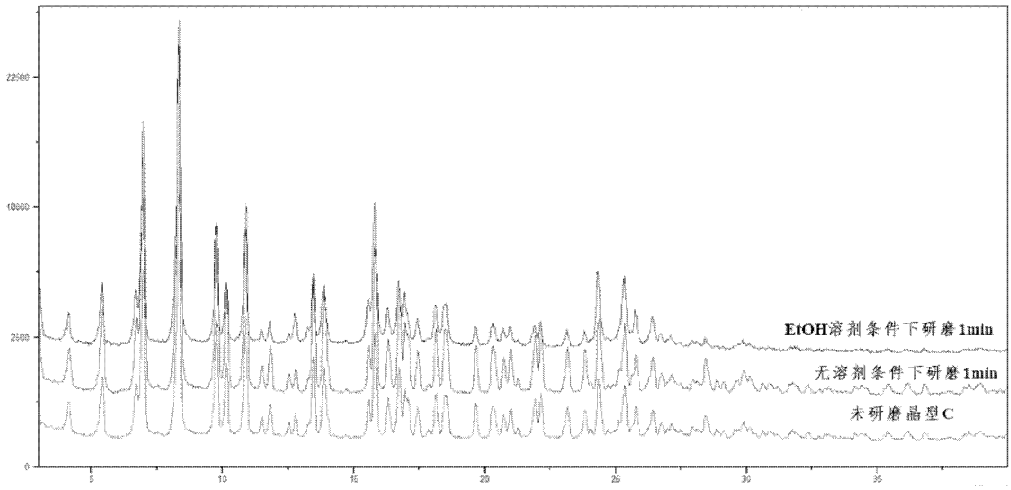

EtOH溶剂条件下研磨1min
无溶剂条件下研磨1min
未研磨晶型C

图 32

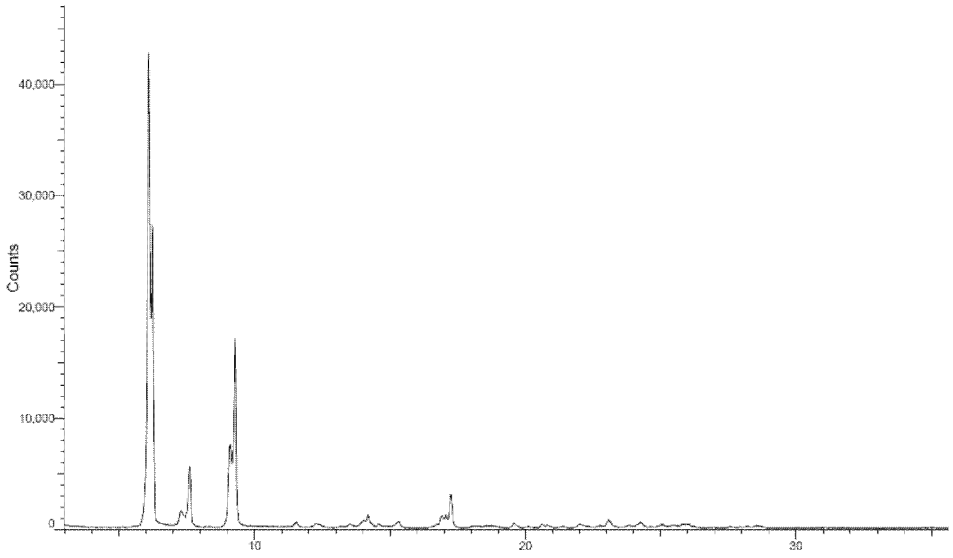

Counts
40,000
30,000
20,000
10,000
0
10
20
30

图 33