Figure 1

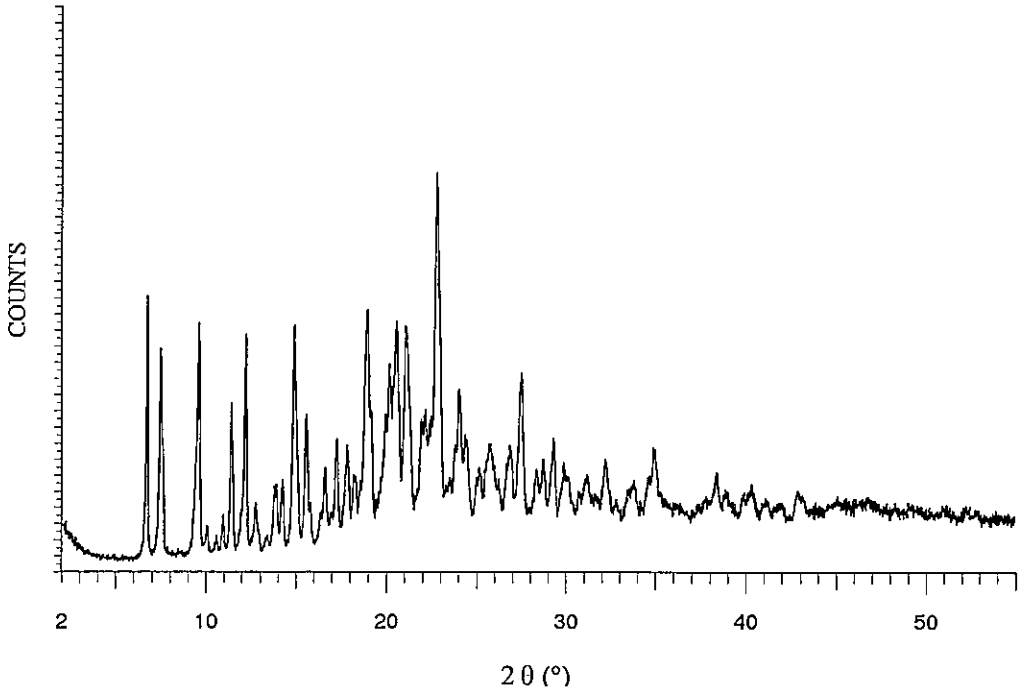


Figure 2

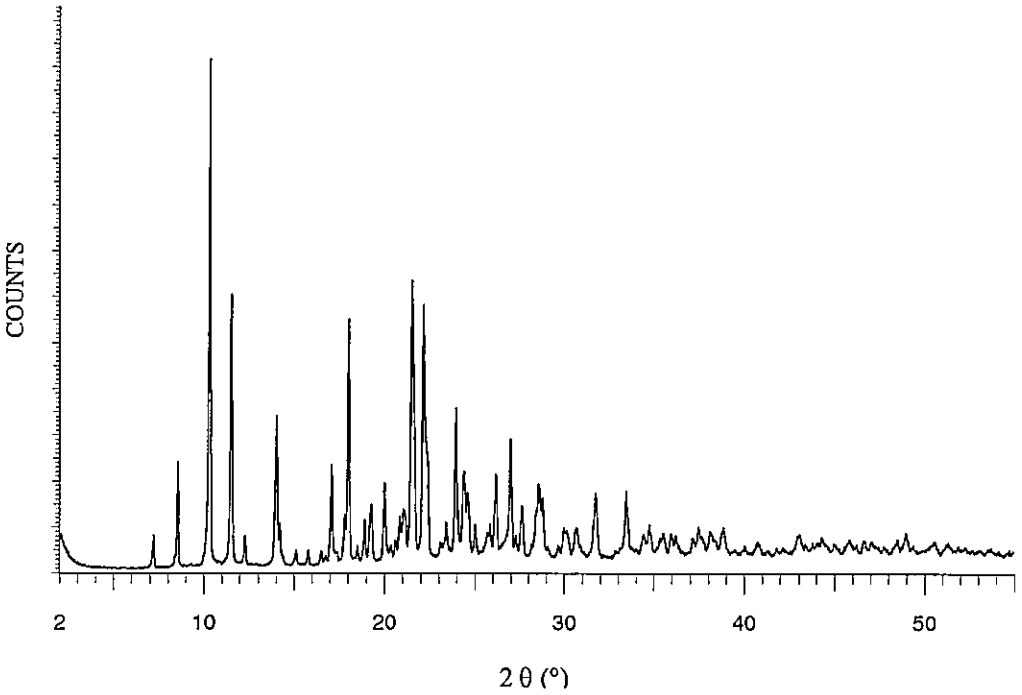


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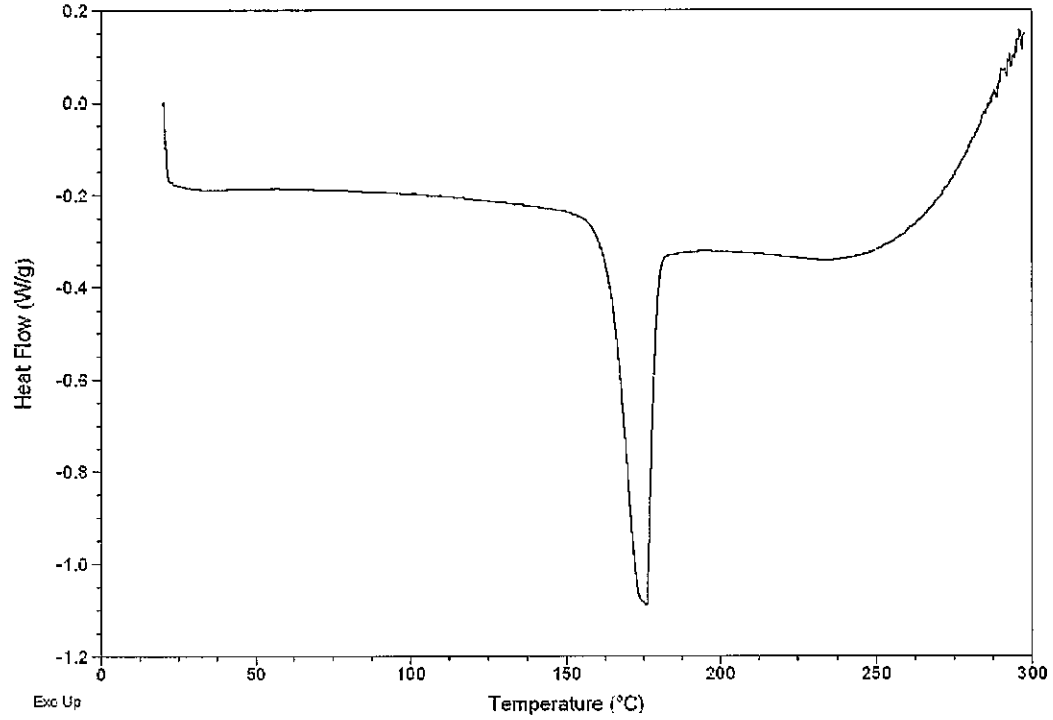


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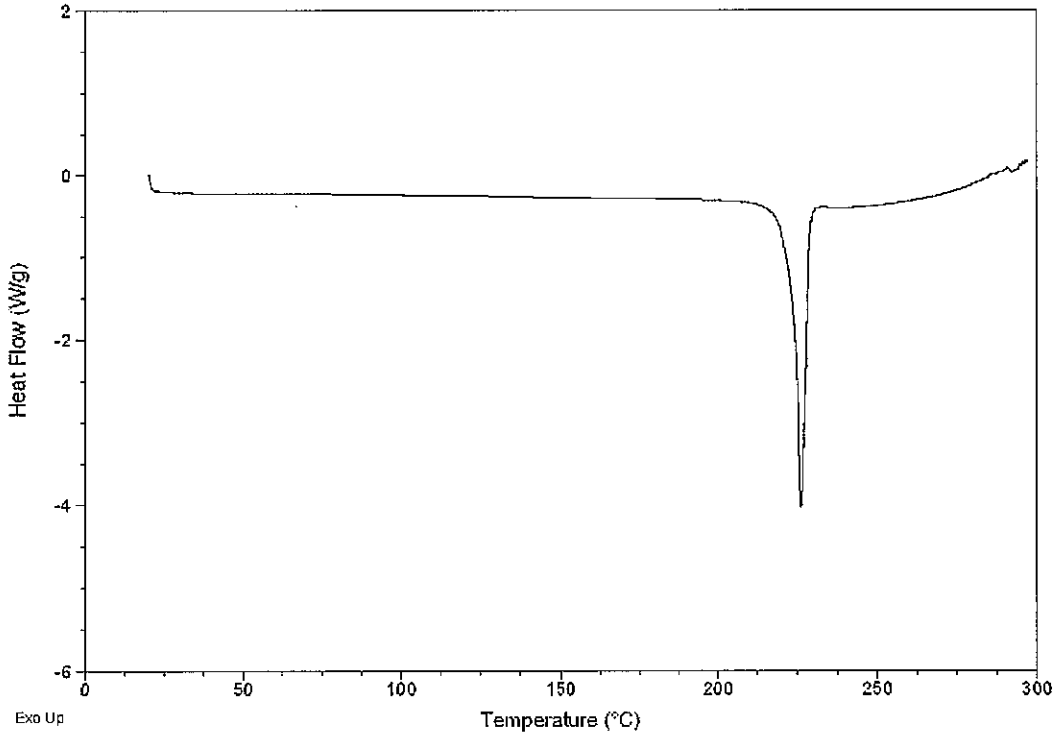


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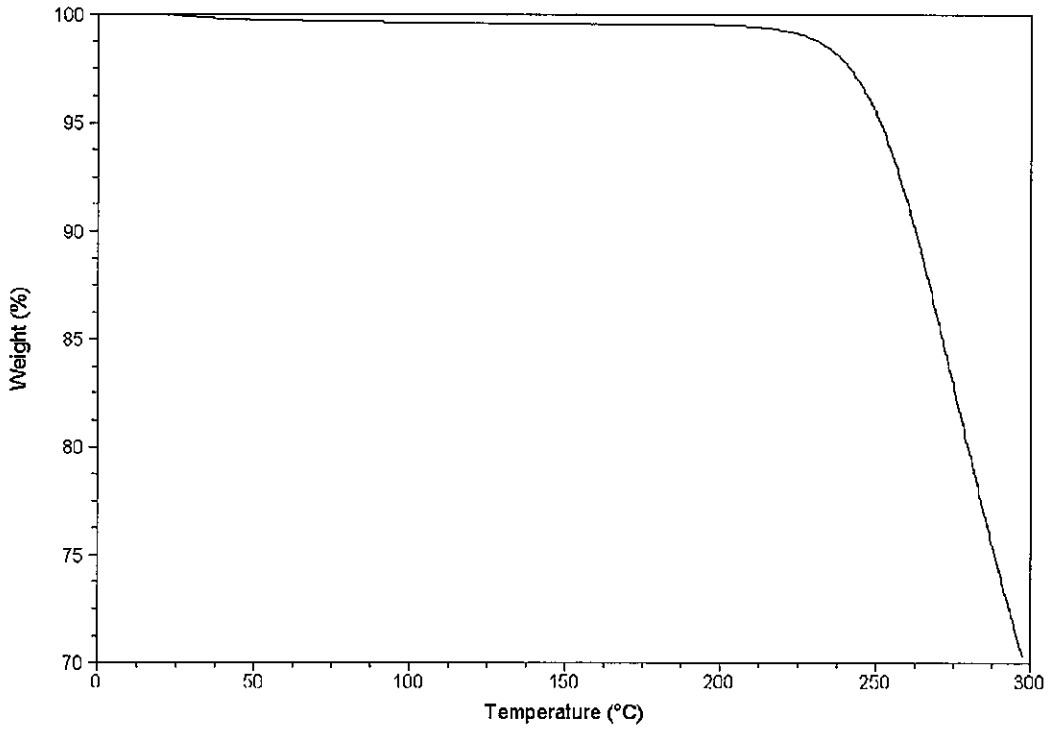


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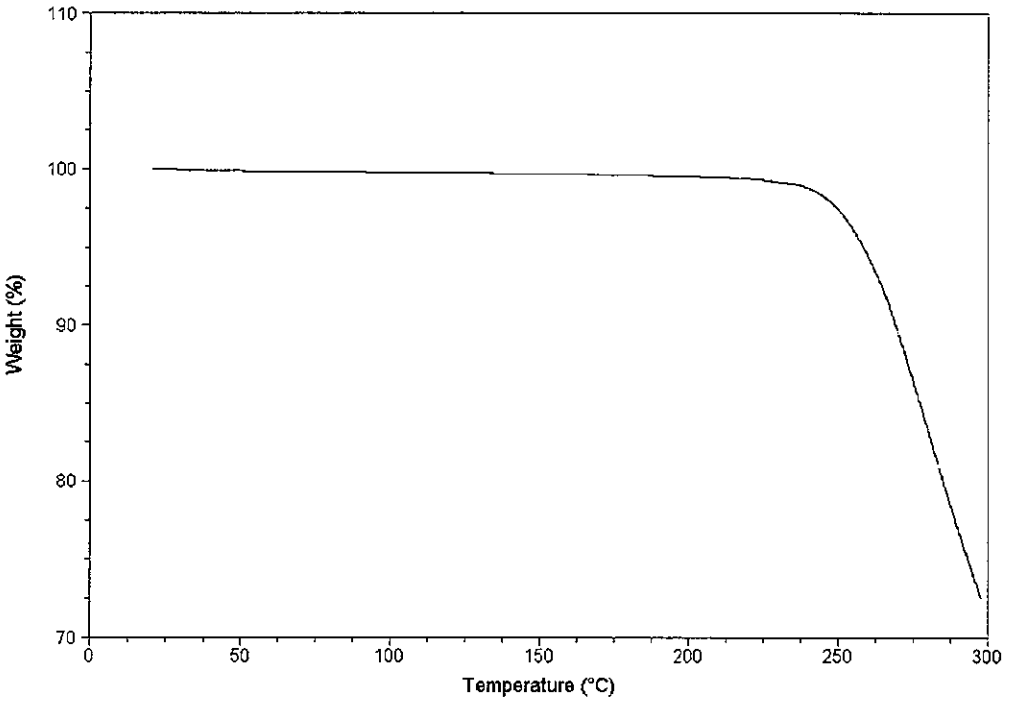
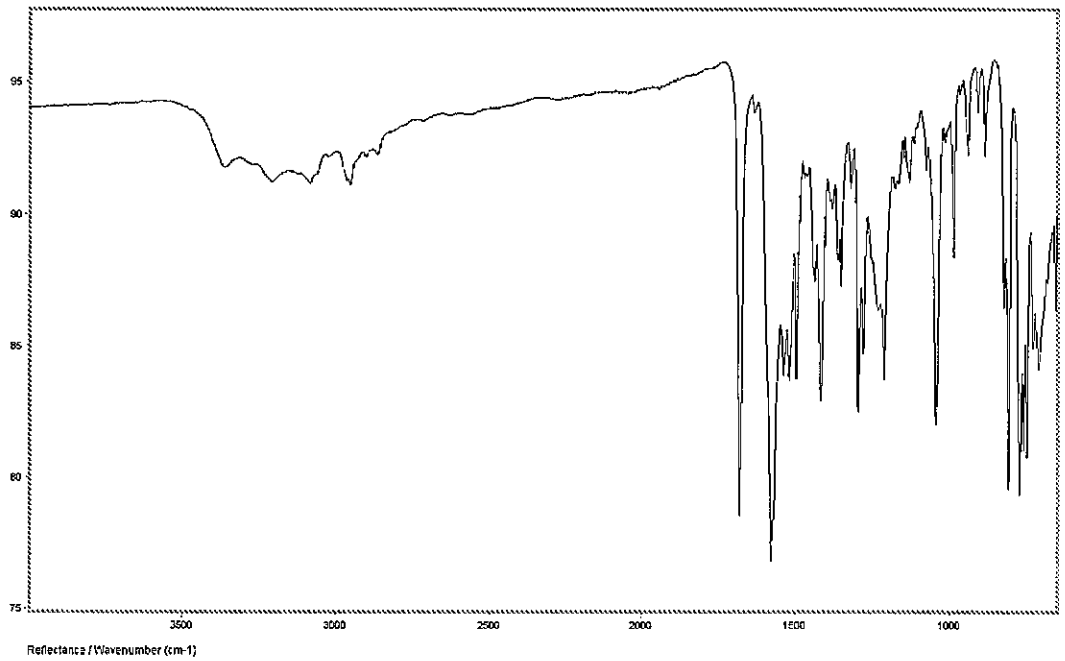


Figure 7


95
90
85
80
75
3500
3000
2500
2000
1500
1000
Reflectance / Wavenumber (cm-1)

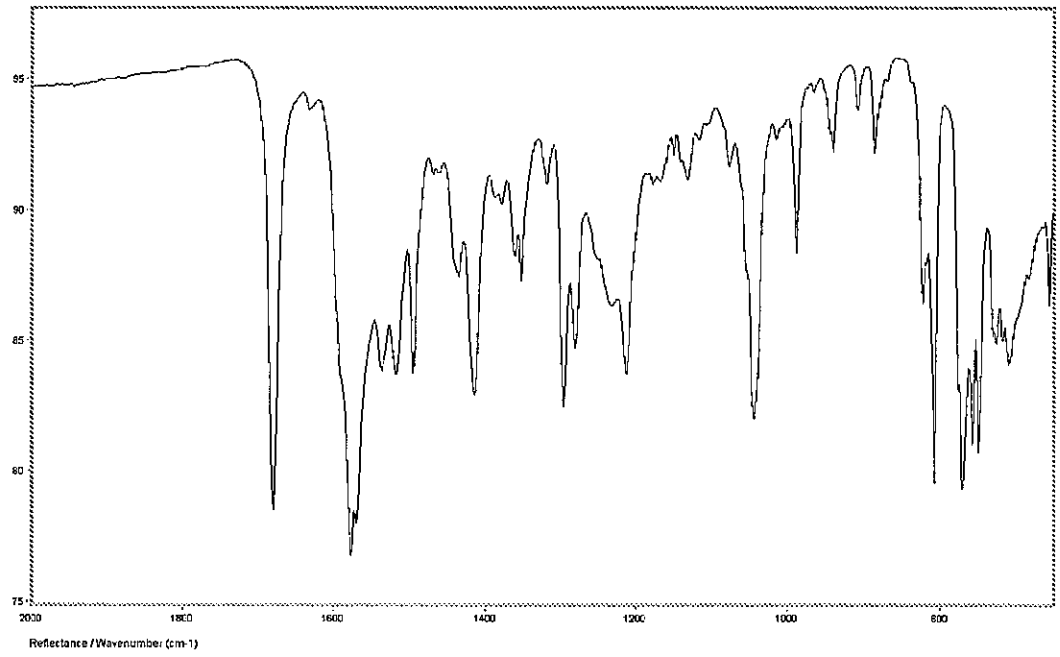
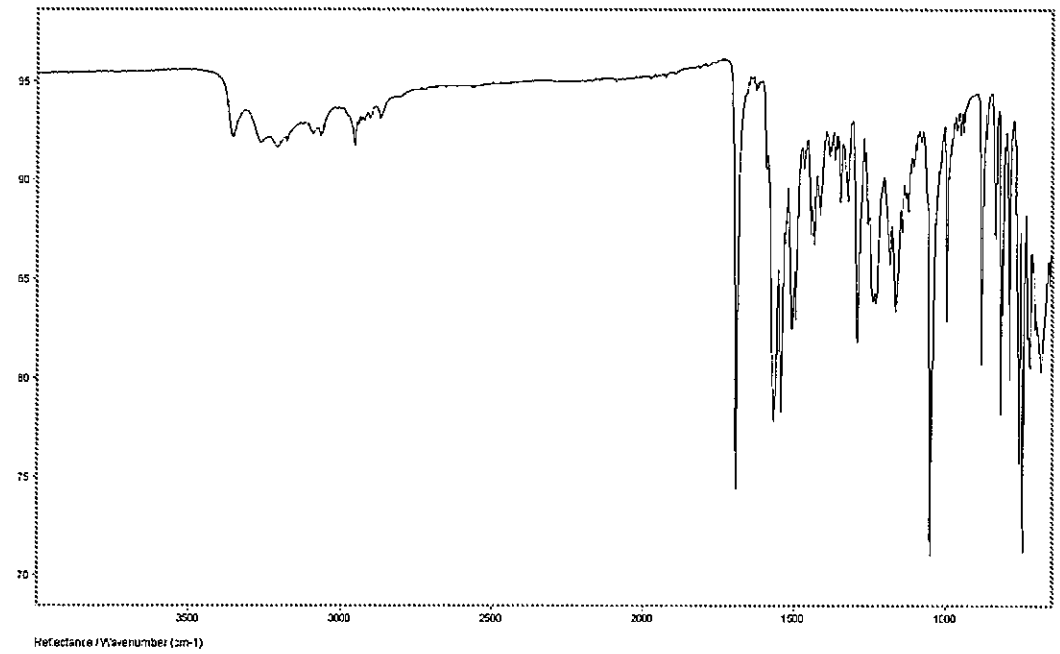

95
90
85
80
75
2000
1800
1600
1400
1200
1000
800
Reflectance / Wavenumber (cm-1)

Figure 8


95
90
85
80
75
70
3500
3000
2500
2000
1500
1000
Reflectance / Wavenumber (cm-1)

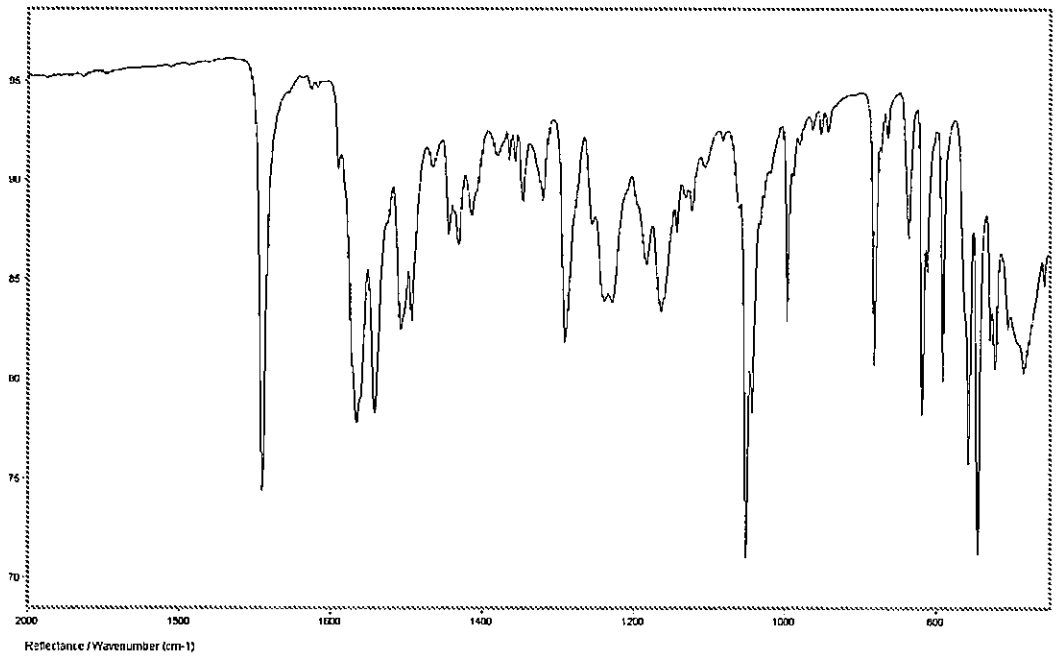
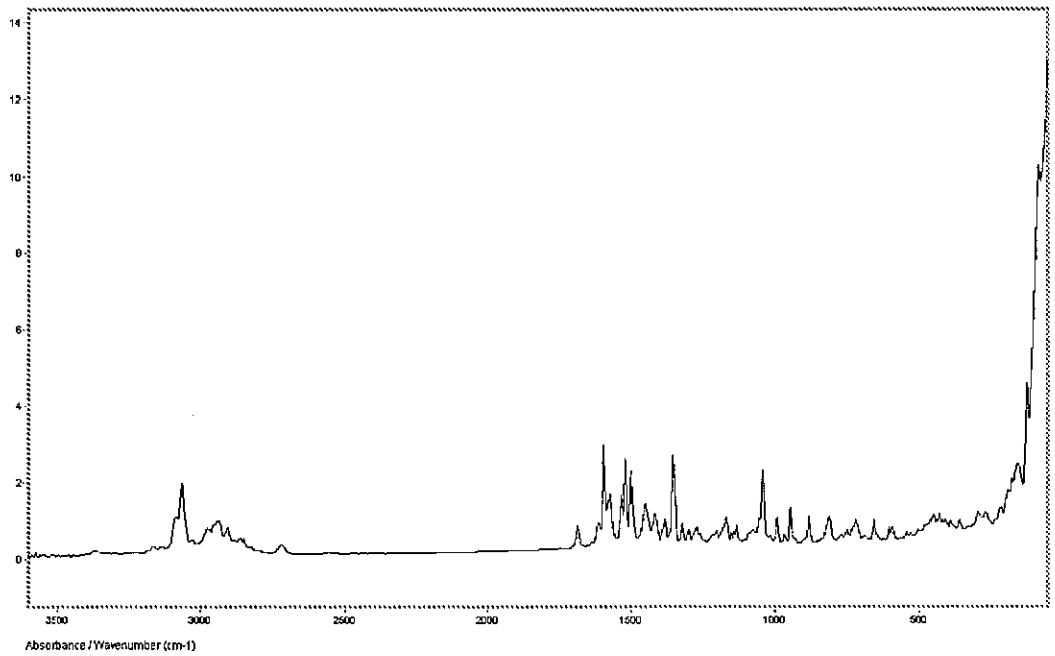

95
90
85
80
75
70
2000
1500
1600
1400
1200
1000
600
Reflectance / Wavenumber (cm-1)

Figure 9


14
12
10
8
6
4
2
0
3500
3000
2500
2000
1500
1000
500
Absorbance / Wavenumber (cm-1)

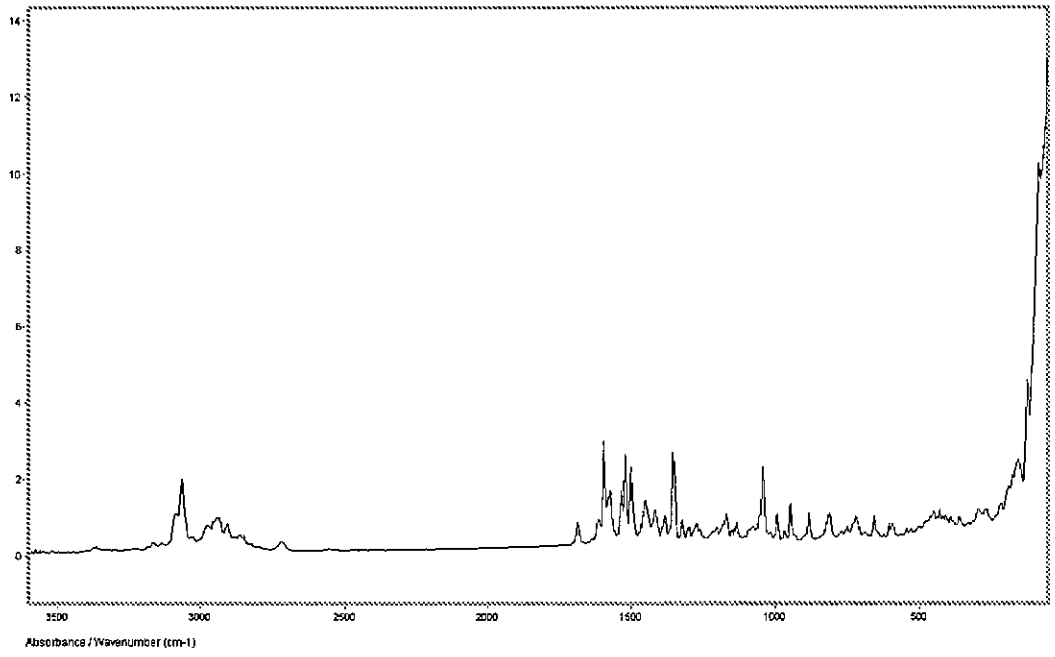
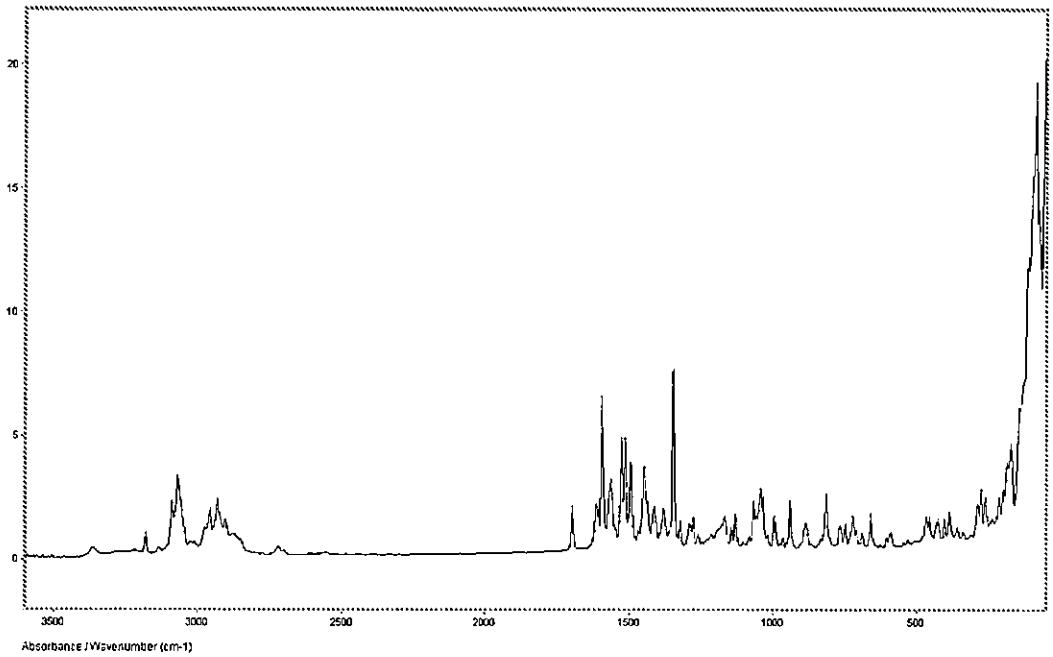

14
12
10
8
6
4
2
0
3500
3000
2500
2000
1500
1000
500
Absorbance / Wavenumber (cm-1)

Figure 10


20
15
10
5
0
3500
3000
2500
2000
1500
1000
500
Absorbance / Wavenumber (cm-1)

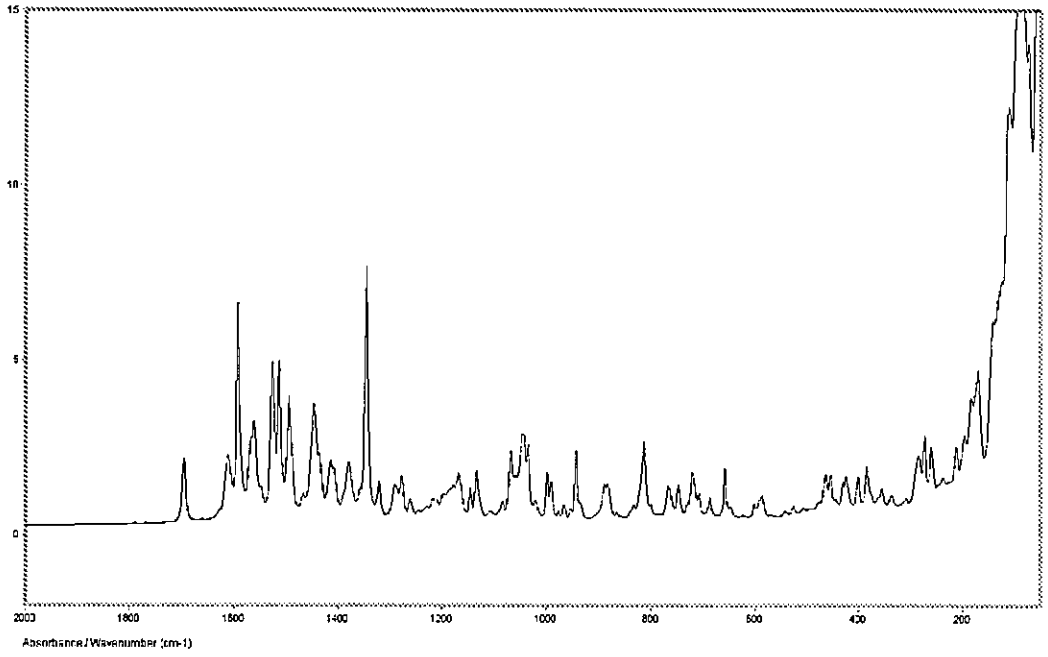
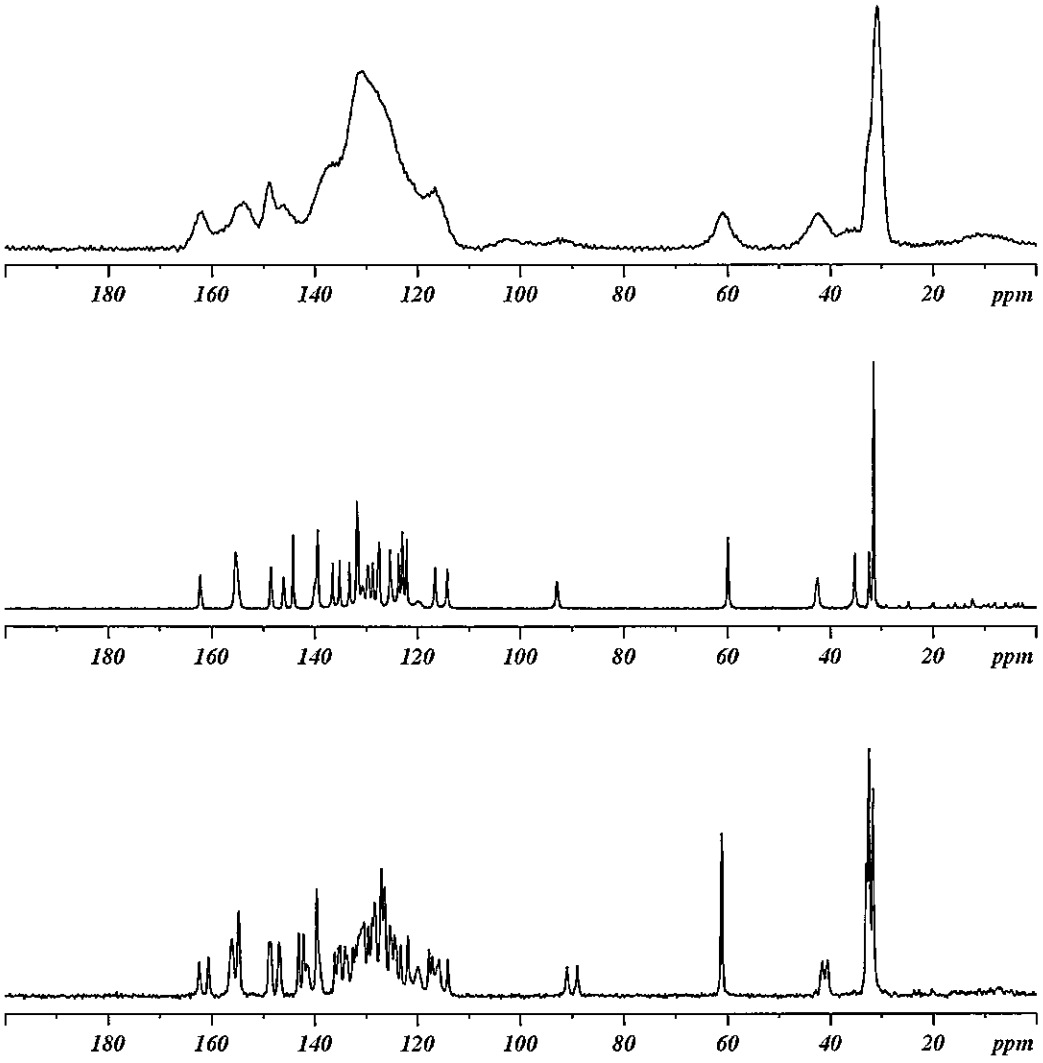

15
10
5
0
2000
1800
1600
1400
1200
1000
800
600
400
200
Absorbance / Wavenumber (cm-1)

Figure 11


180
160
140
120
100
80
60
40
20
ppm
180
160
140
120
100
80
60
40
20
ppm
180
160
140
120
100
80
60
40
20
ppm