Figure 1A

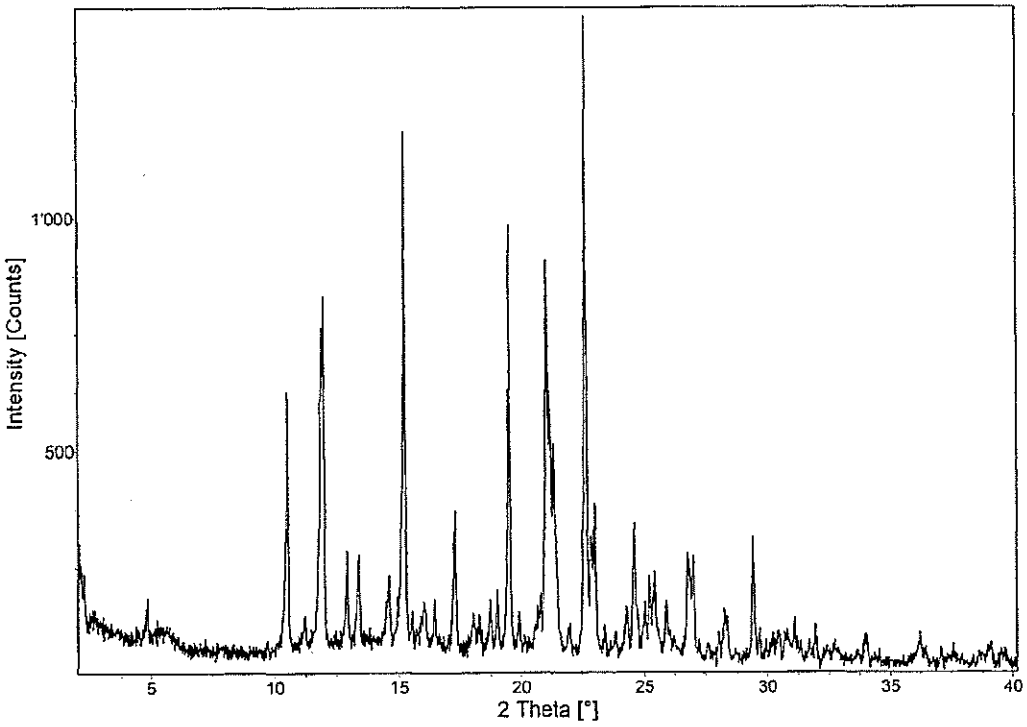


Figure 1B

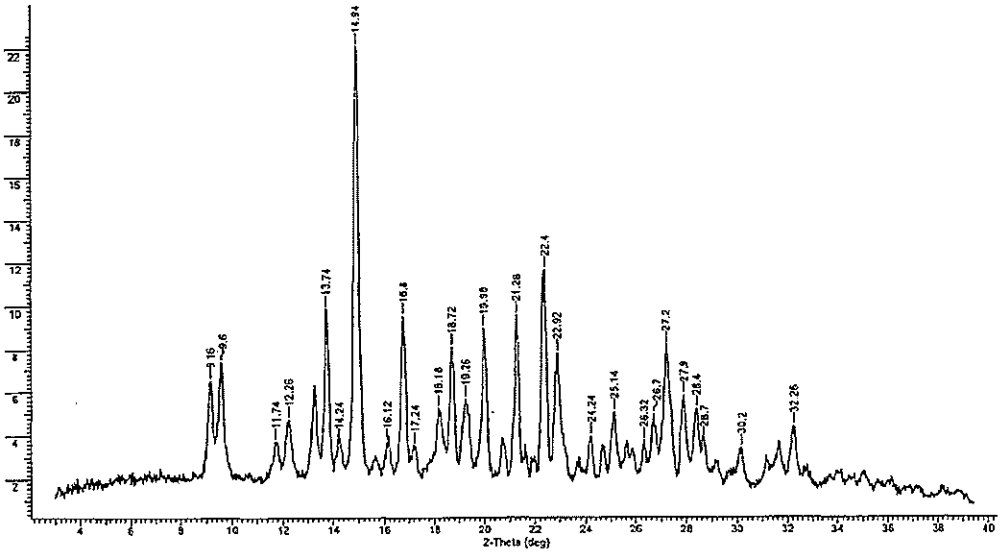


Figure 1C

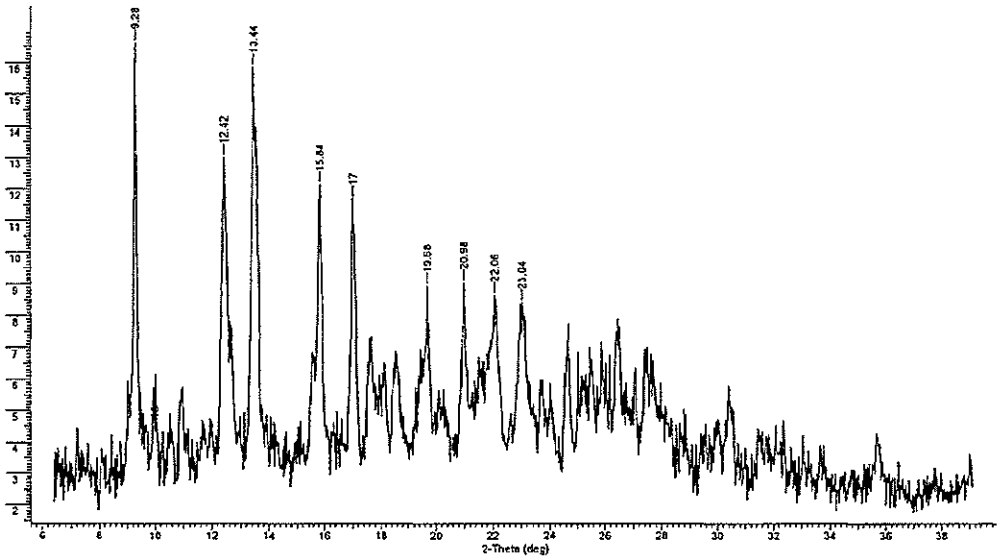


Figure 1D

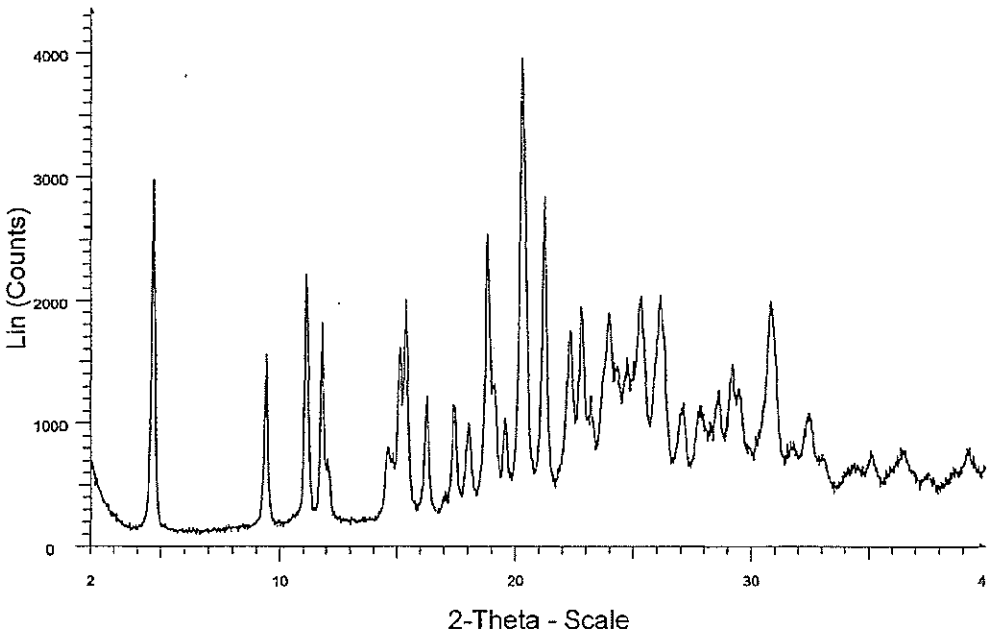


Figure 1E

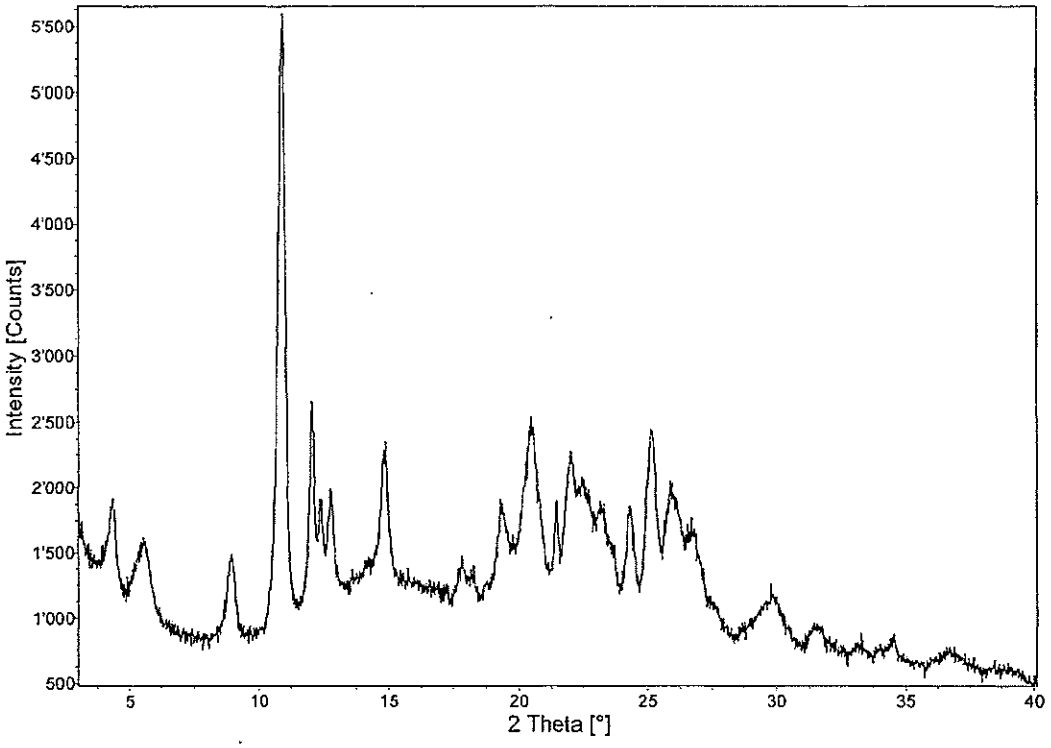


Figure 2A

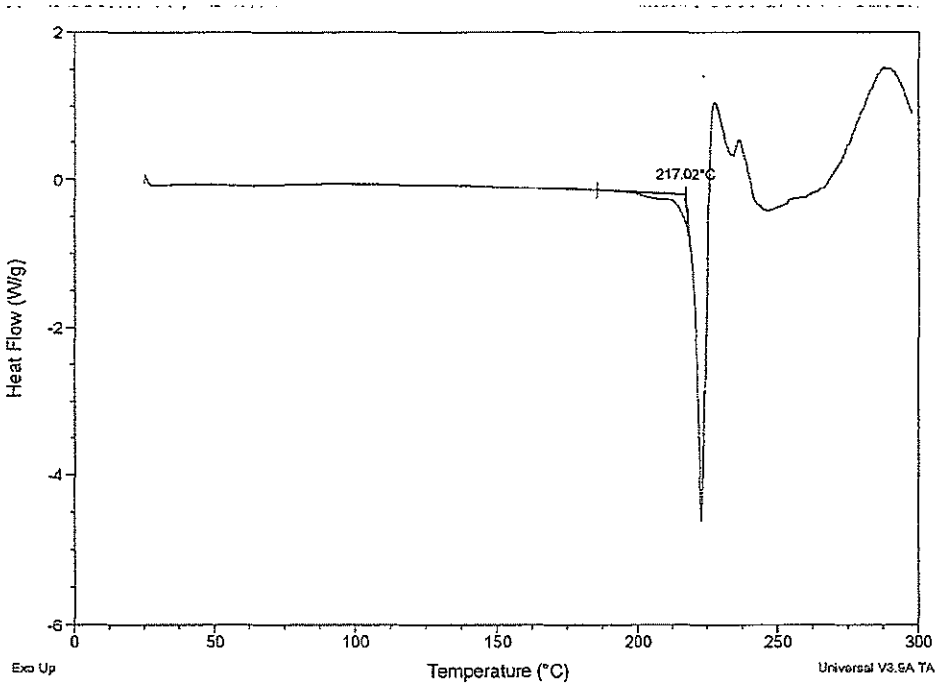


Figure 2B

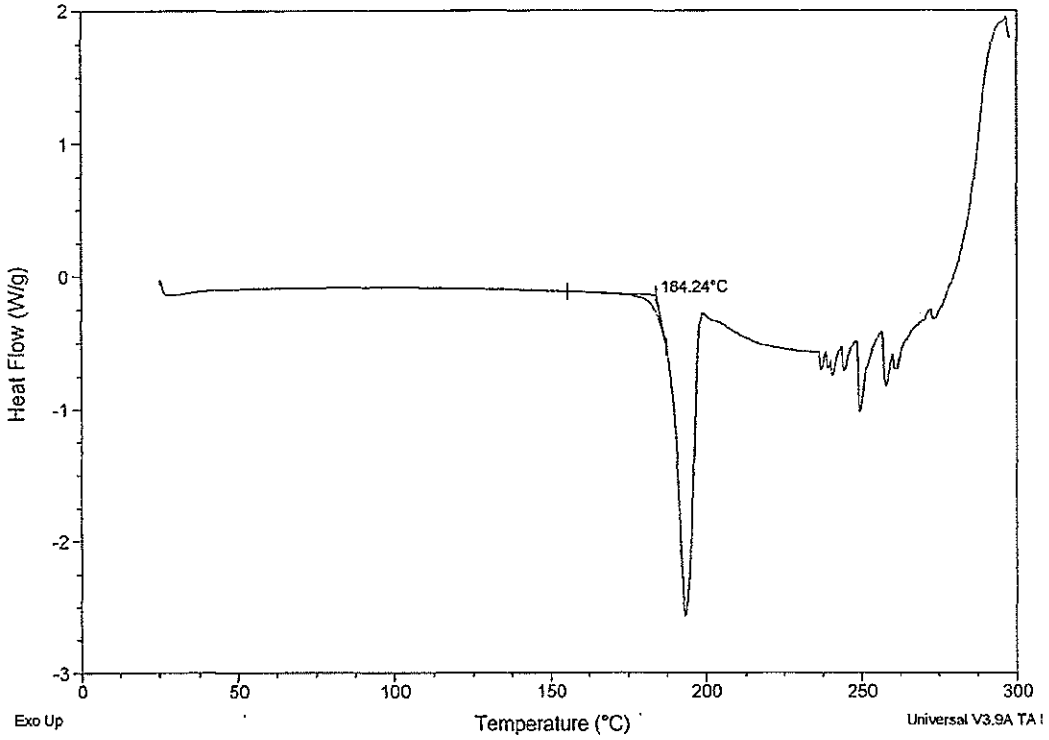


Figure 3A

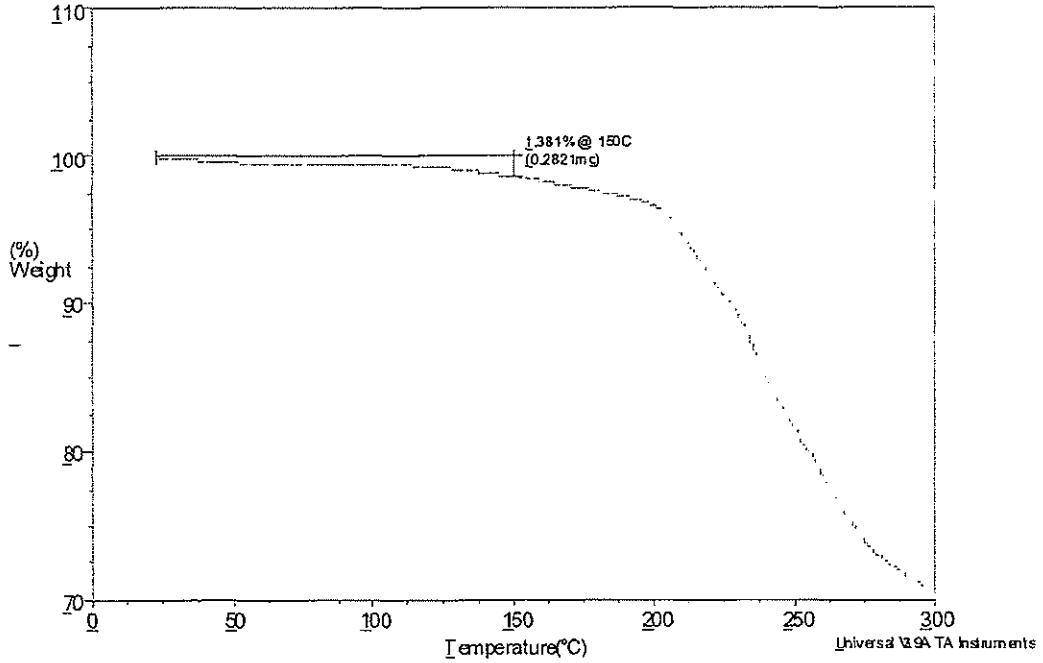


Figure 3B

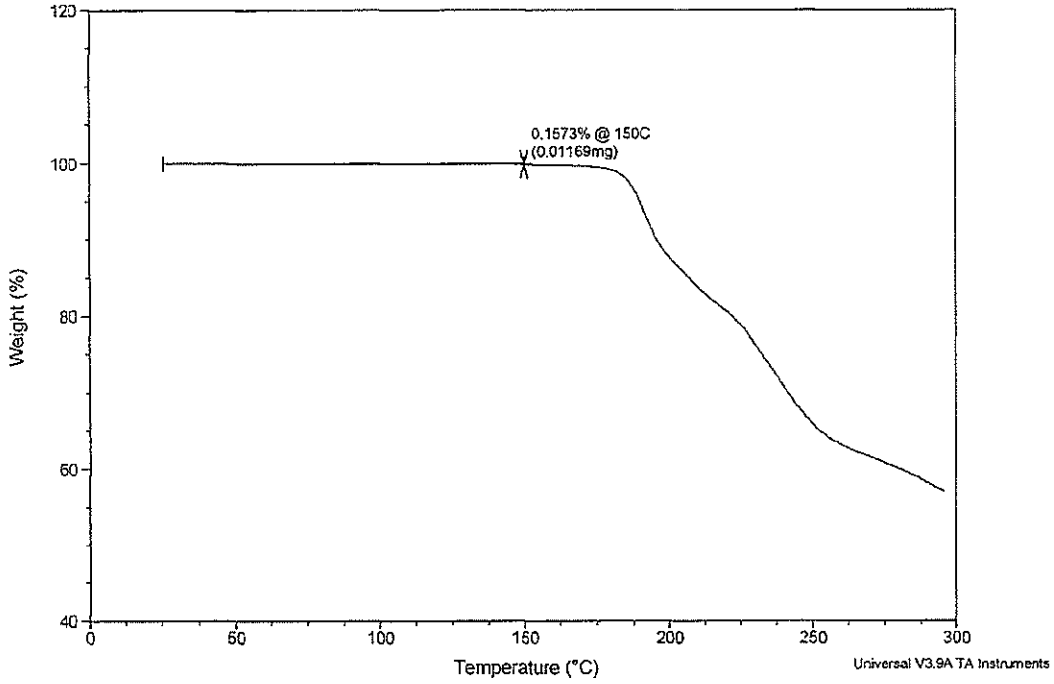


Figure 3C

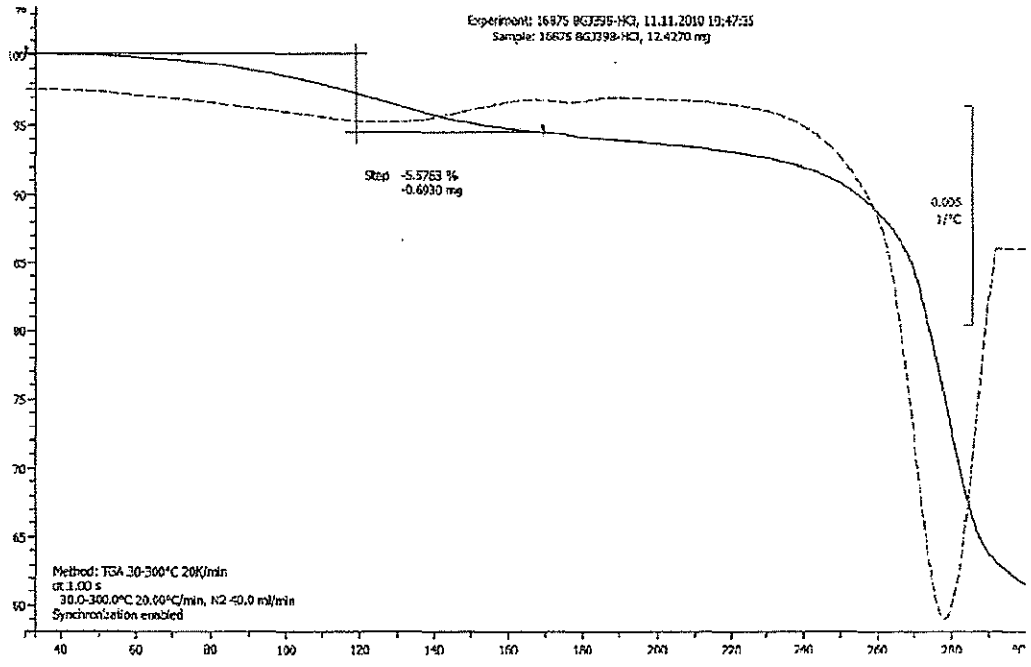


Figure 4A

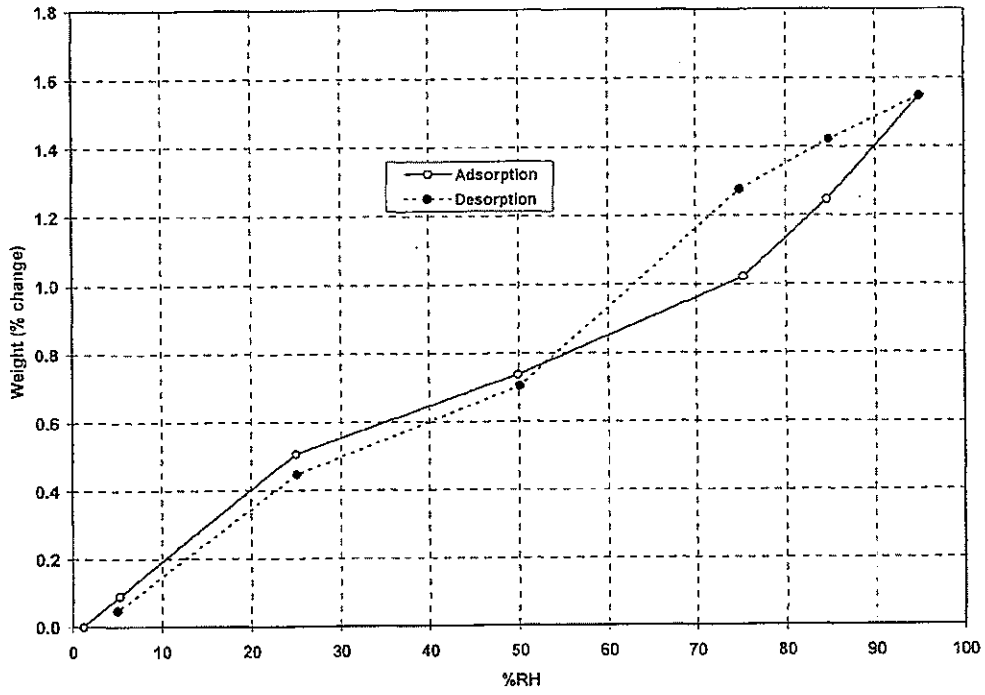


Figure 4B

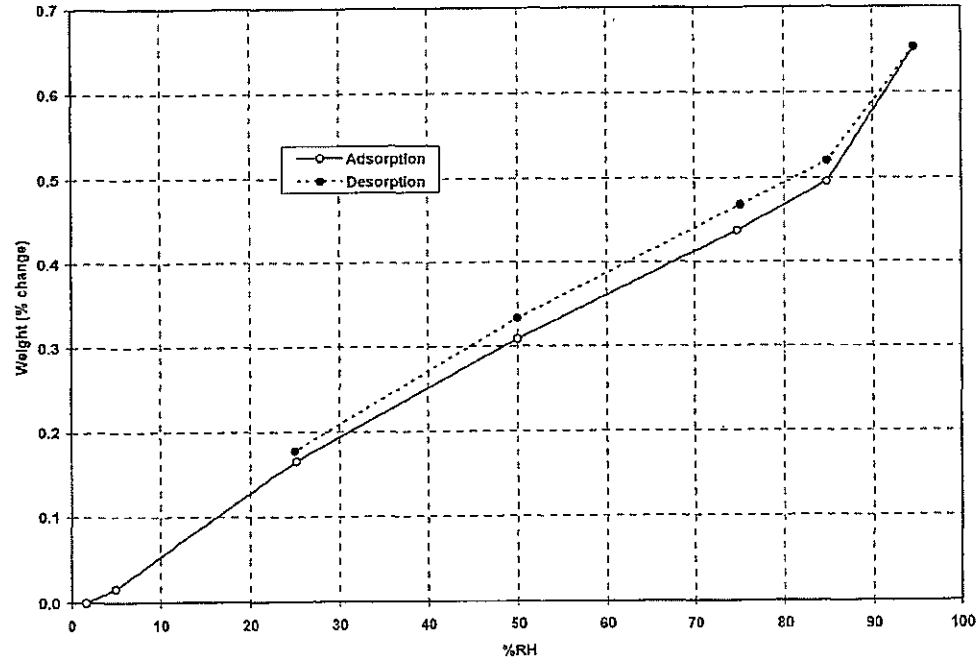


Figure 4C

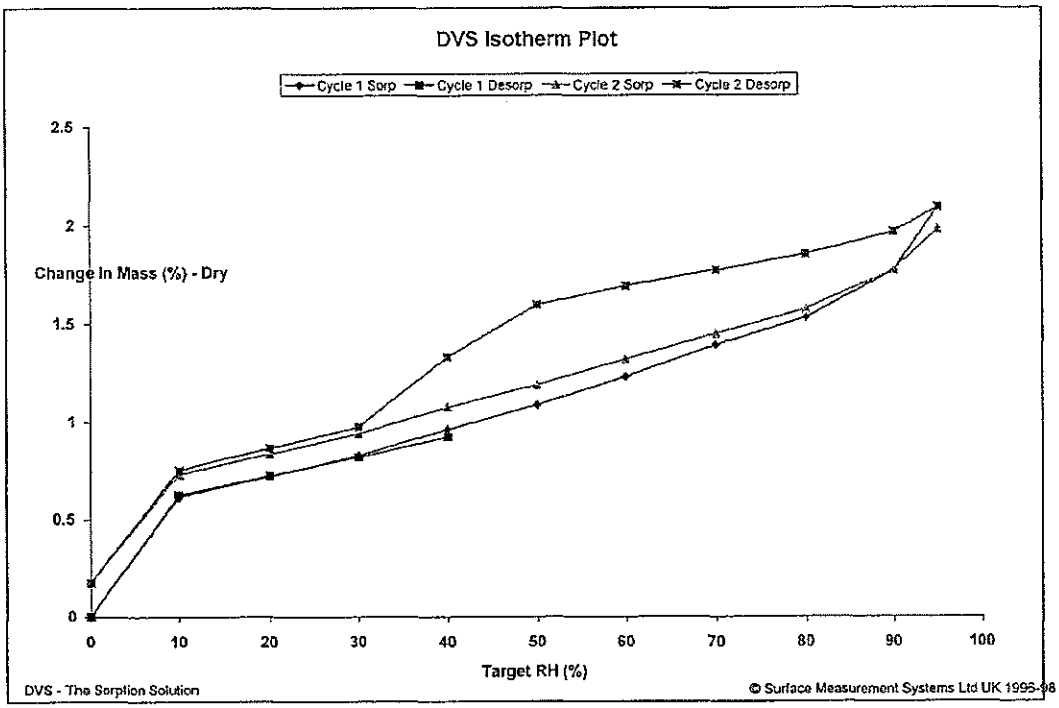


Figure 5A

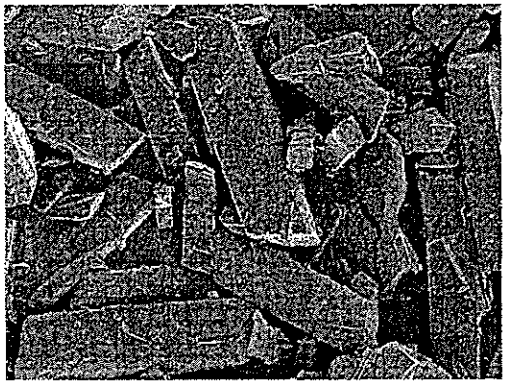


Figure 5B

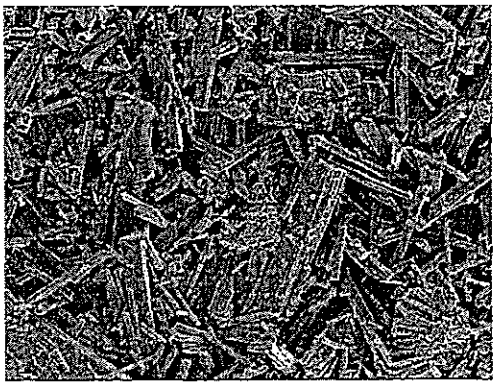


Figure 6

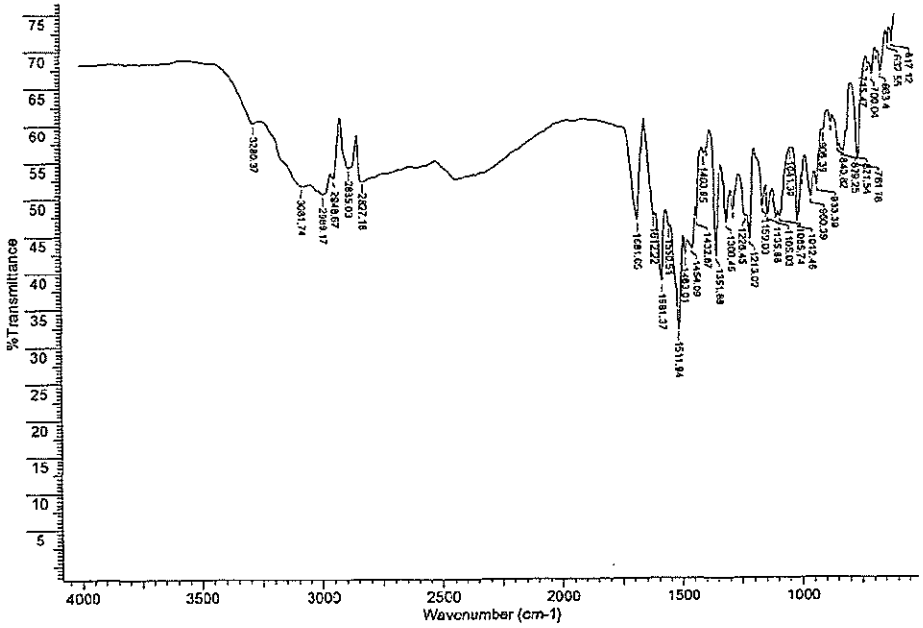

%Transmittance
Wavenumber (cm-1)
4000
3500
3000
2500
2000
1500
1000
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
3280.97
3081.74
2969.17
2927.16
1681.65
1612.22
1511.84
1460.85
1432.87
1351.88
1300.45
1224.45
1155.88
1105.03
1055.74
1012.46
993.39
968.38
933.39
781.16
643.82
629.25
603.4
417.12

Figure 7

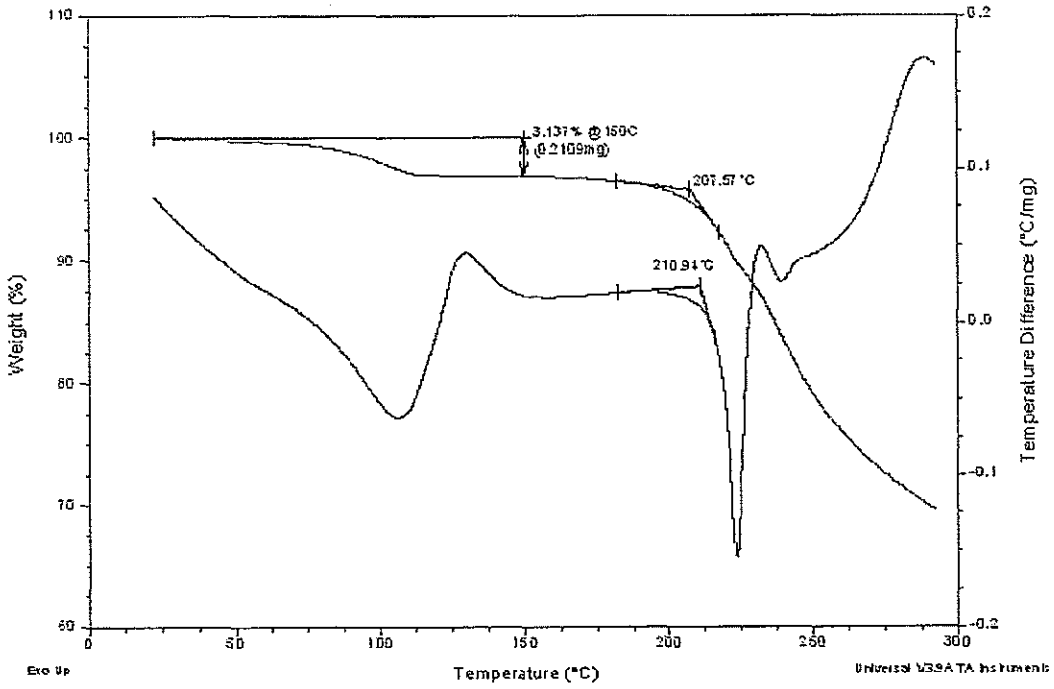


Figure 8A

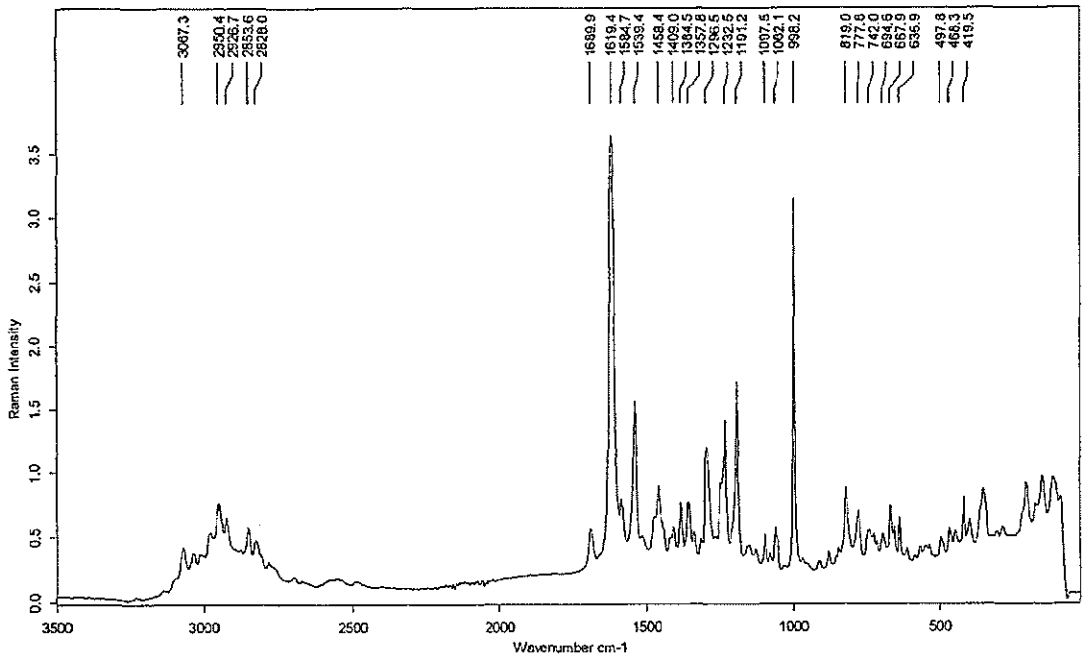


Figure 8B

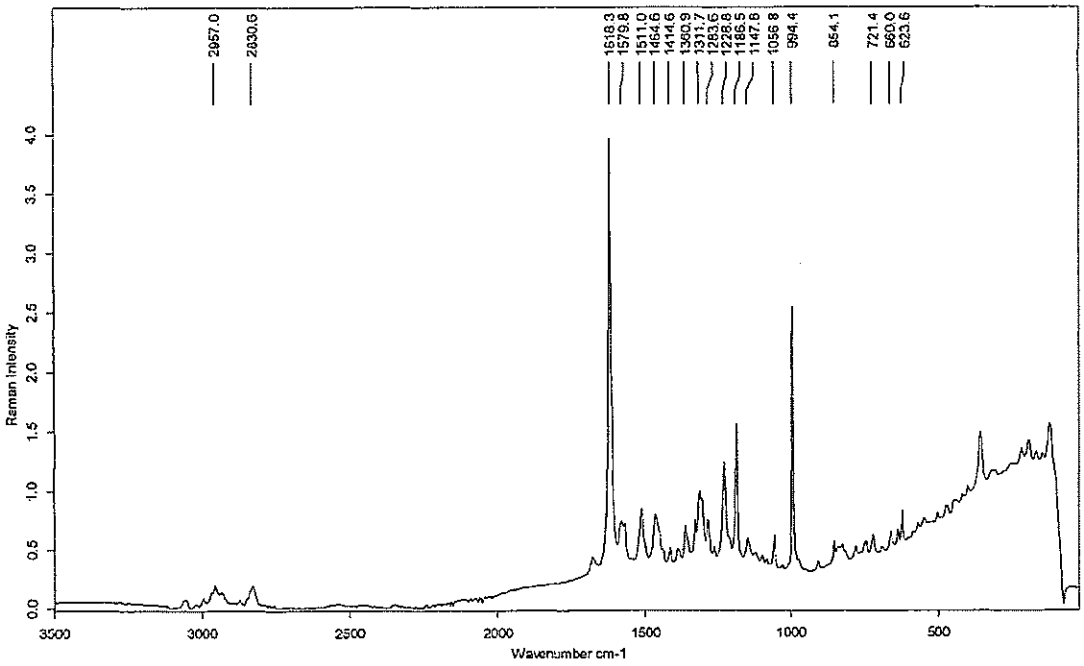

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2930.6
1618.3
1579.8
1511.0
1454.6
1414.6
1390.9
1331.7
1293.6
1228.8
1186.5
1147.8
1056.8
994.4
854.1
721.4
680.0
623.6
Raman Intensity
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
3500
3000
2500
2000
1500
1000
500
Wavenumber cm-1

Figure 9

