

Supporting Information

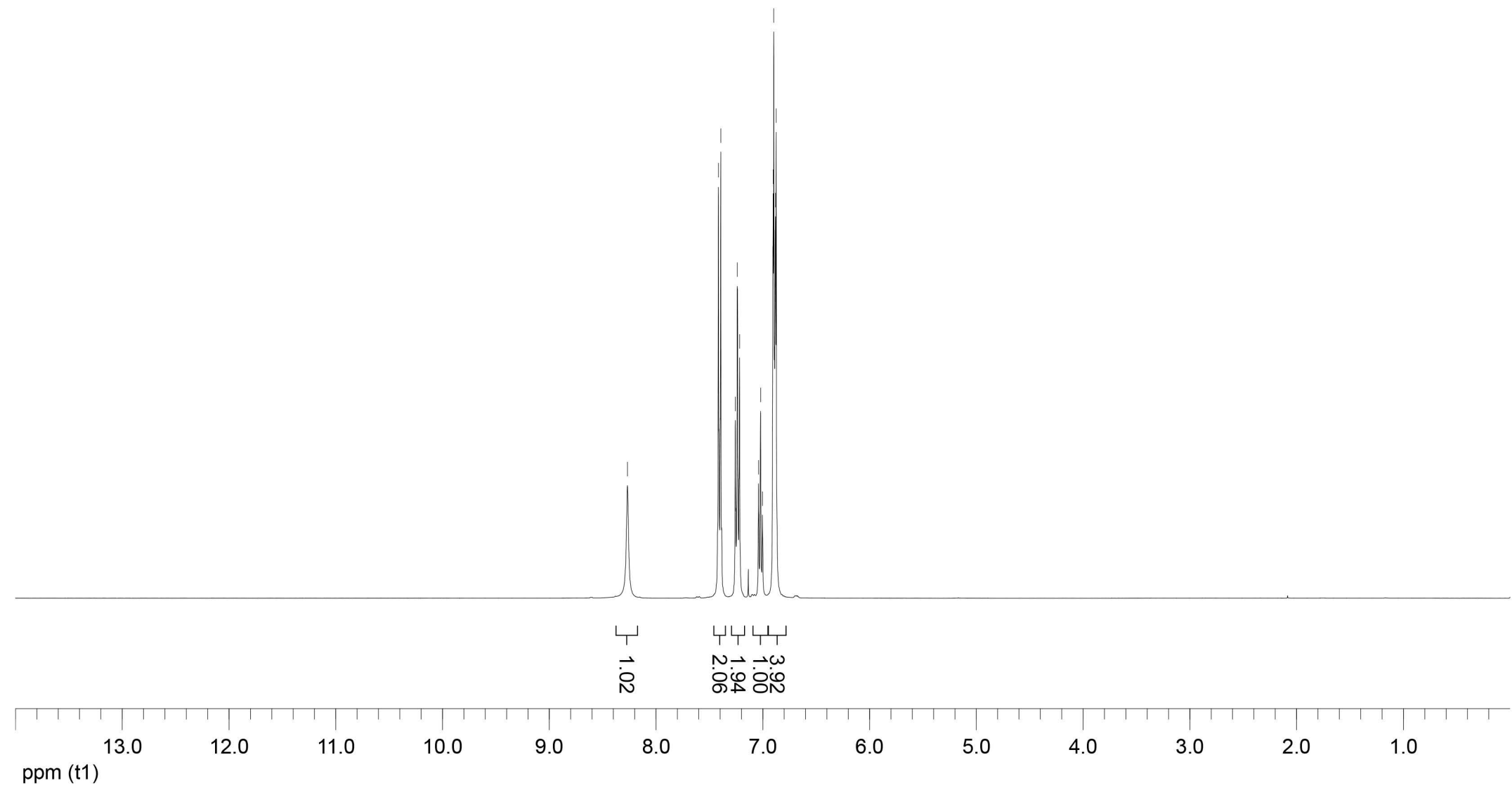
Surface Modification Using Crosslinking of Diamine and Bis(diarylcarbene): Synthesis, Characterization, and its Antibacterial Activity via Binding Hydrogen Peroxide

Pengfei Yang^{†‡}, Mark G. Moloney^{†,*}

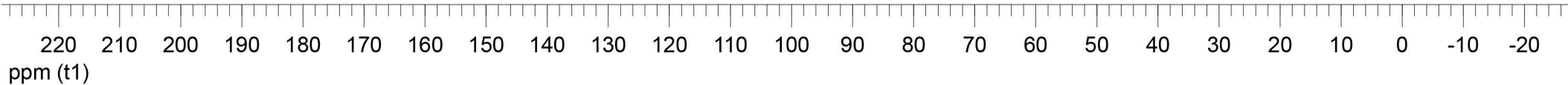
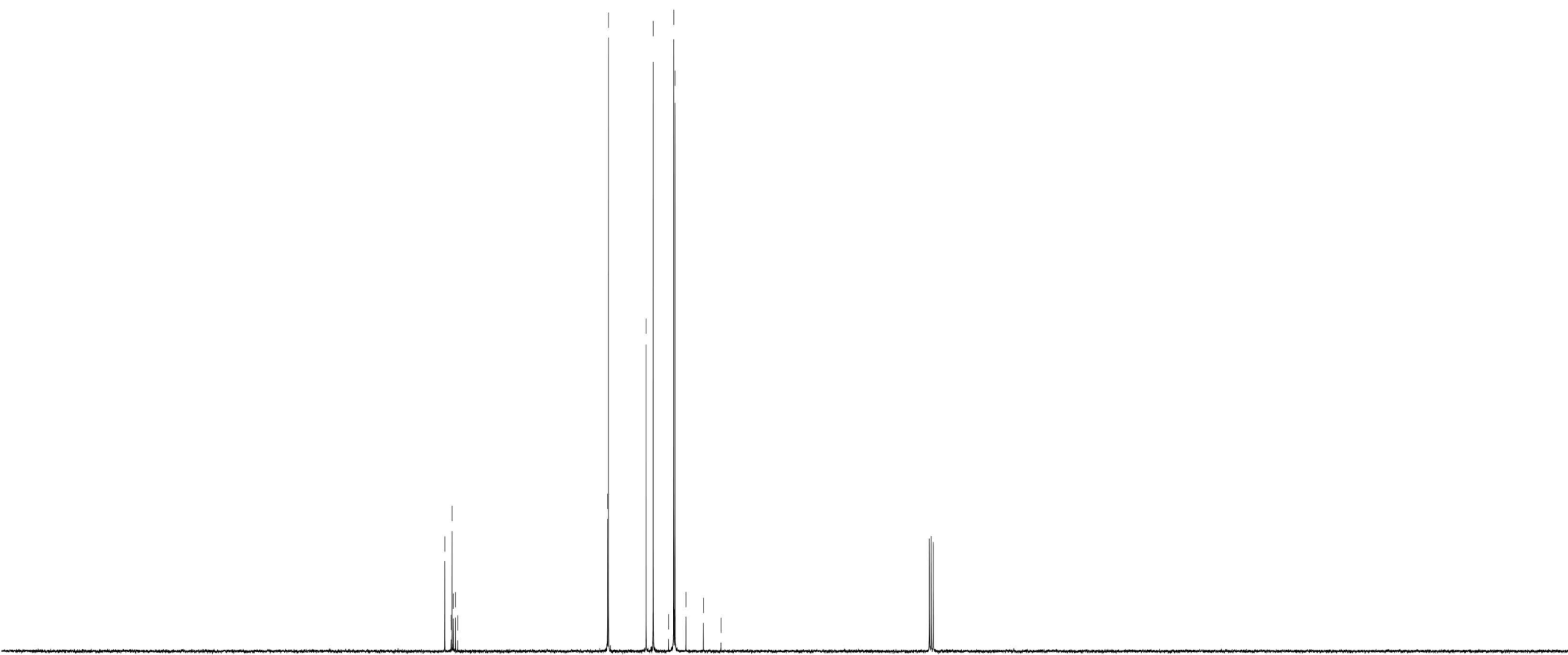
[†]Chemistry Research Laboratory, Department of Chemistry, University of Oxford, OX1 3TA, UK

[‡]School of Chemistry and Pharmaceutical Engineering, Qilu University of Technology, Jinan 250353, P. R. China

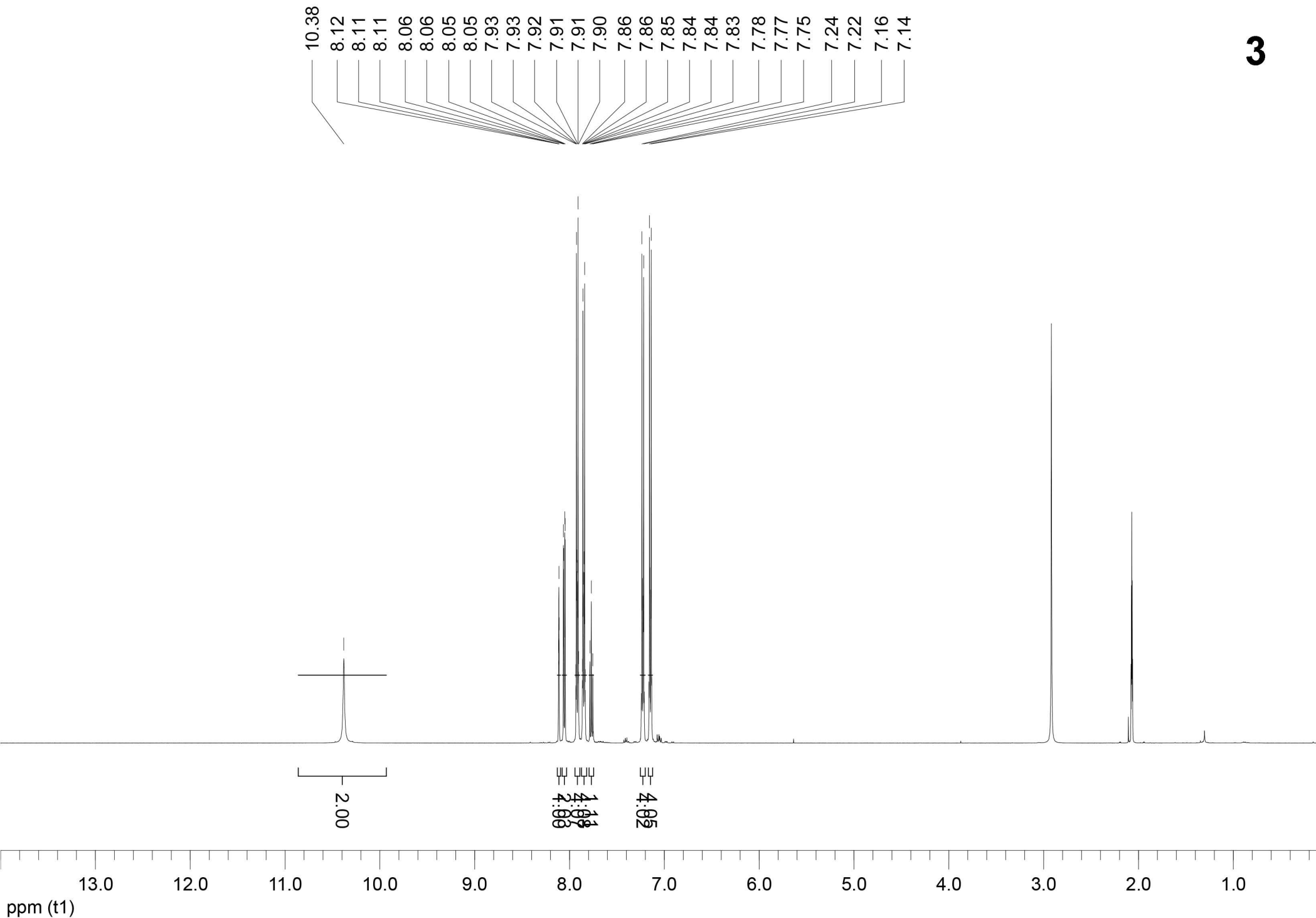
*Corresponding author. mark.moloney@chem.ox.ac.uk.

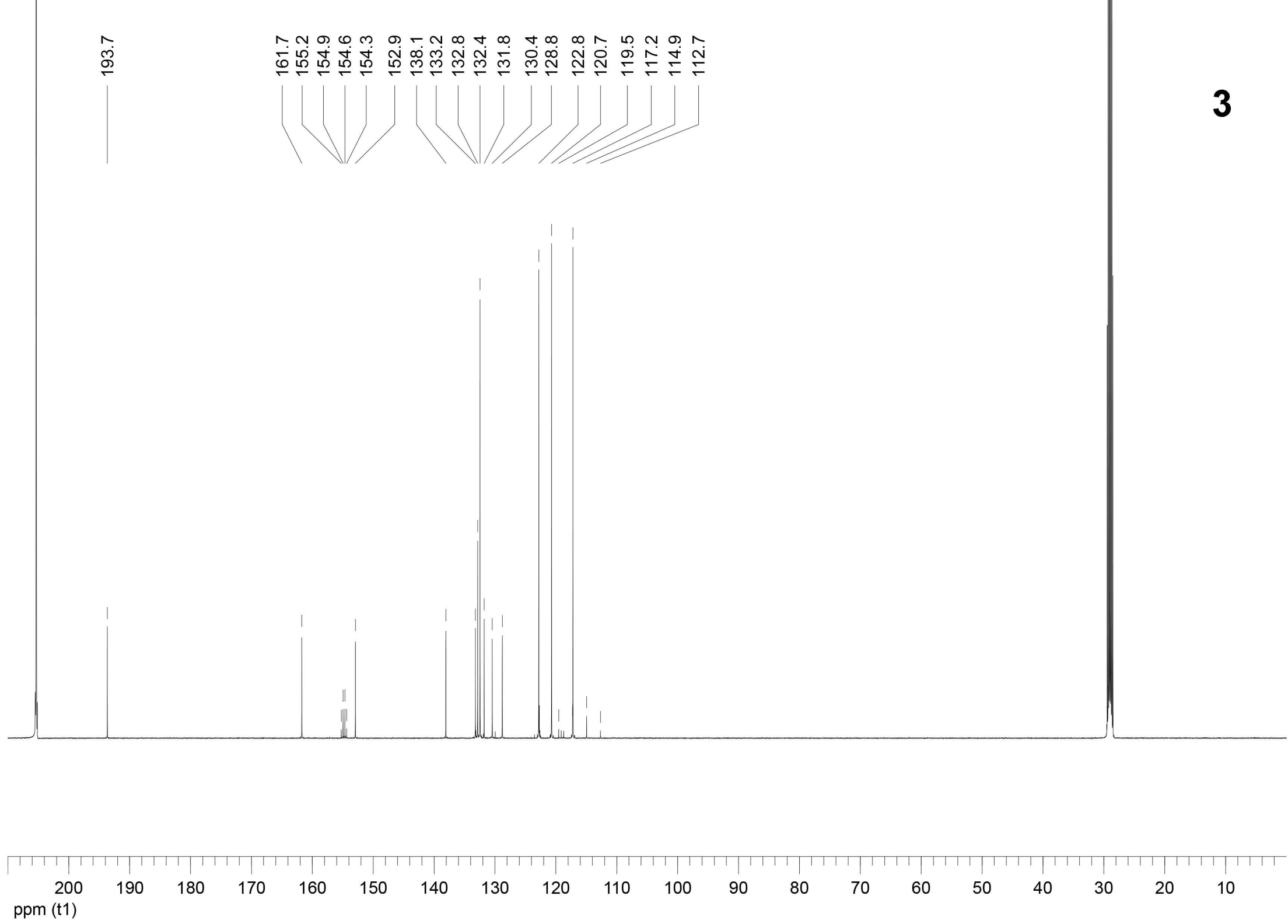


156.8
155.8
155.6
155.4
155.0
154.6
130.1
129.9
123.8
122.6
120.1
119.3
119.1
117.3
114.4
111.6

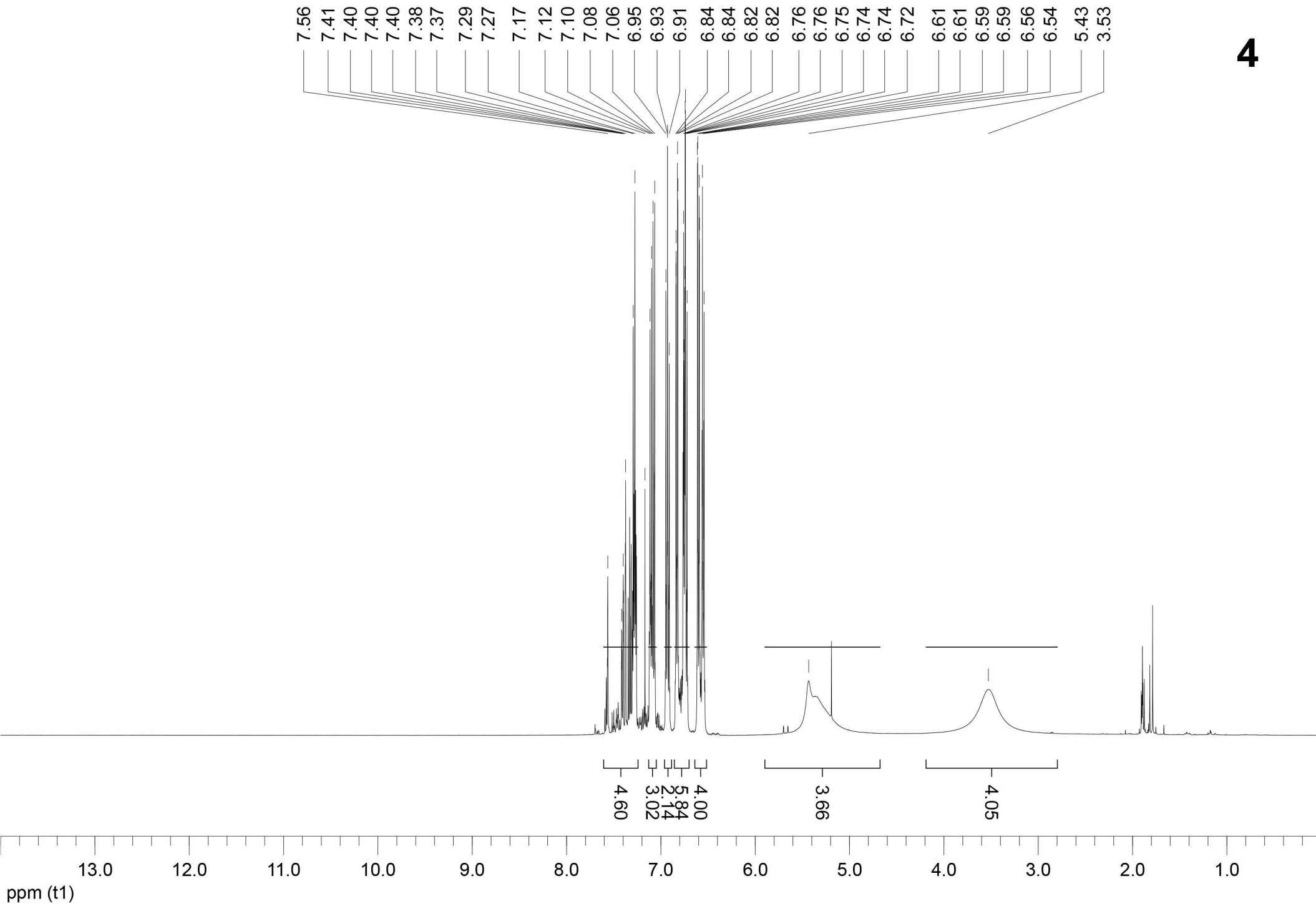


3



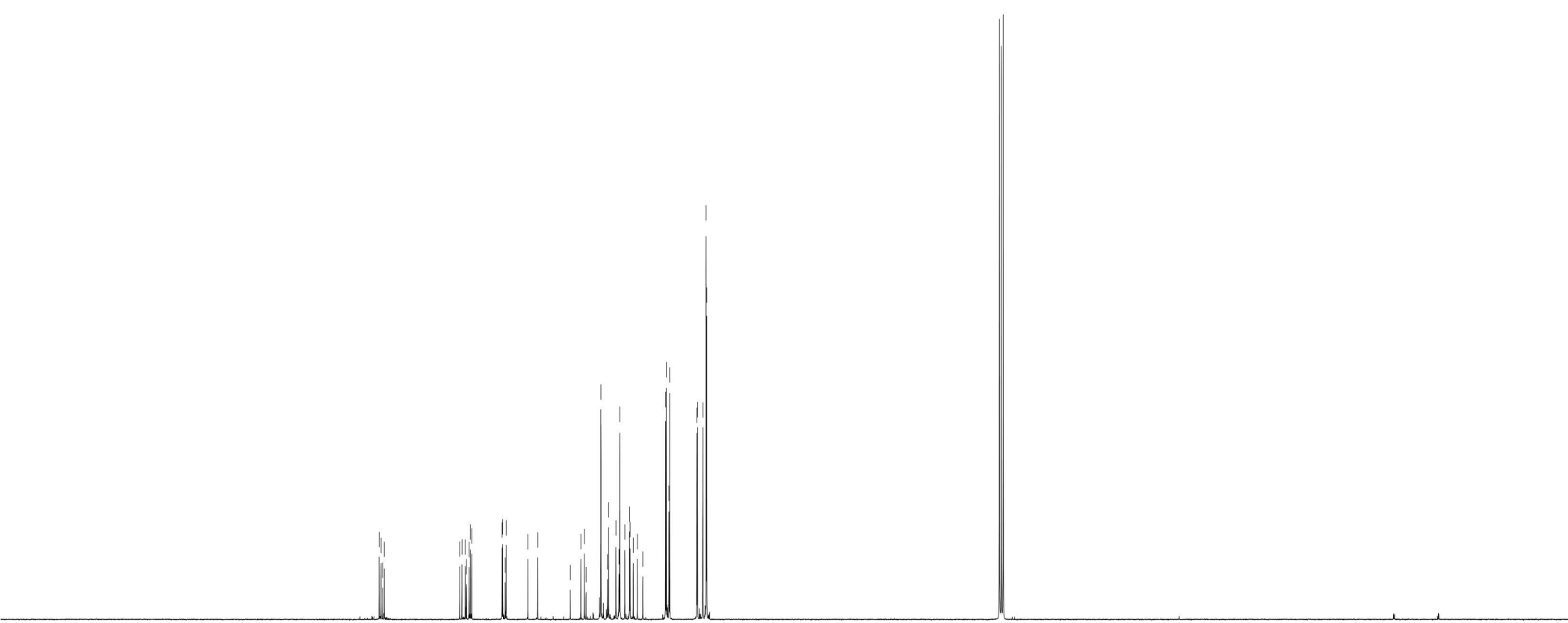


4



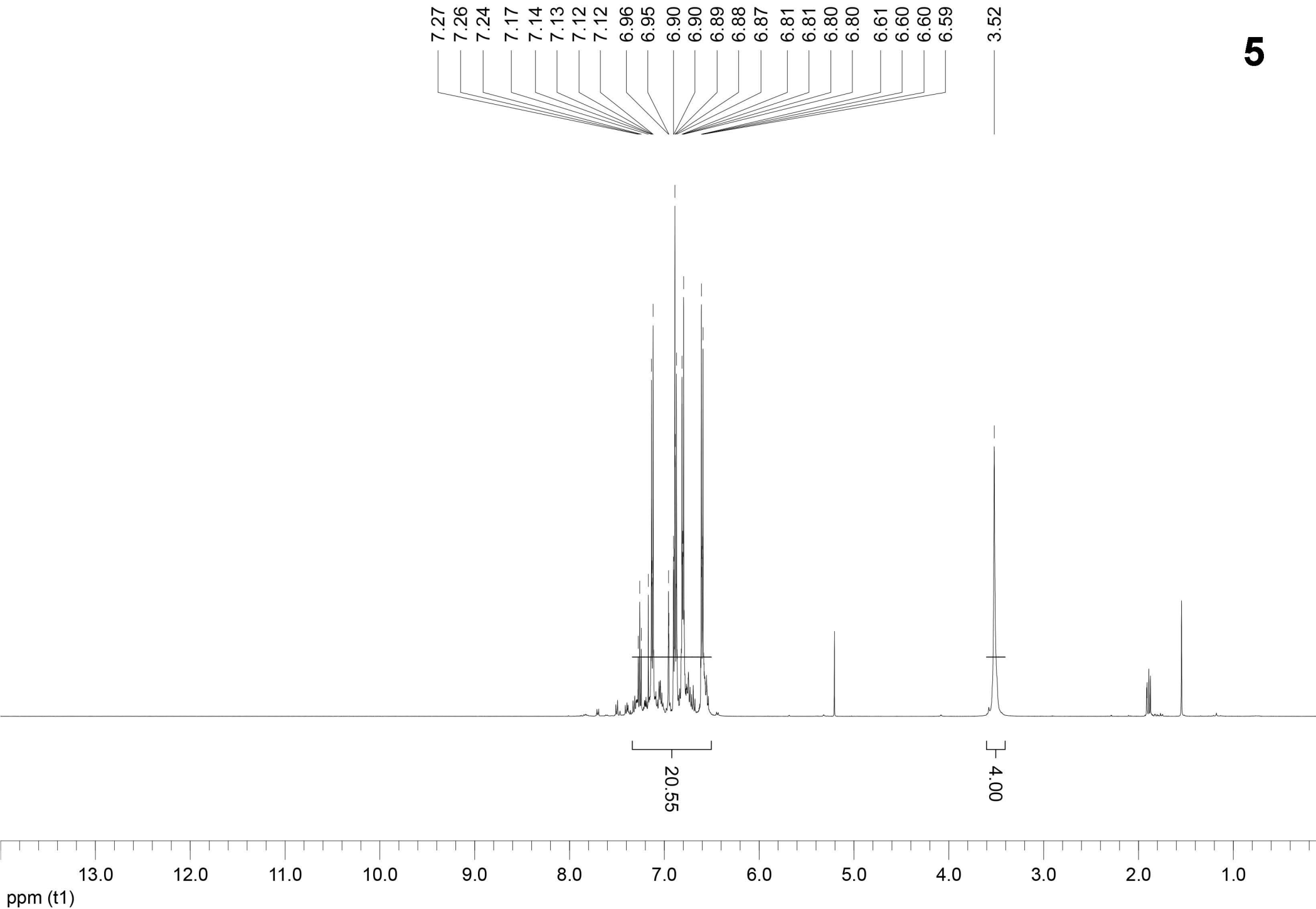
159.7
159.5
159.3
159.1
149.1
148.8
148.3
148.1
147.8
147.6
147.4
143.4
143.3
143.0
142.9
140.0
138.7
134.4
133.0
132.5
132.3
130.3
129.4
129.3
128.3
127.9
127.8
127.1
126.5
126.4
126.0
125.5
124.7
121.7
121.6
121.3
121.2
117.6
117.5
116.8
116.3
116.2

4

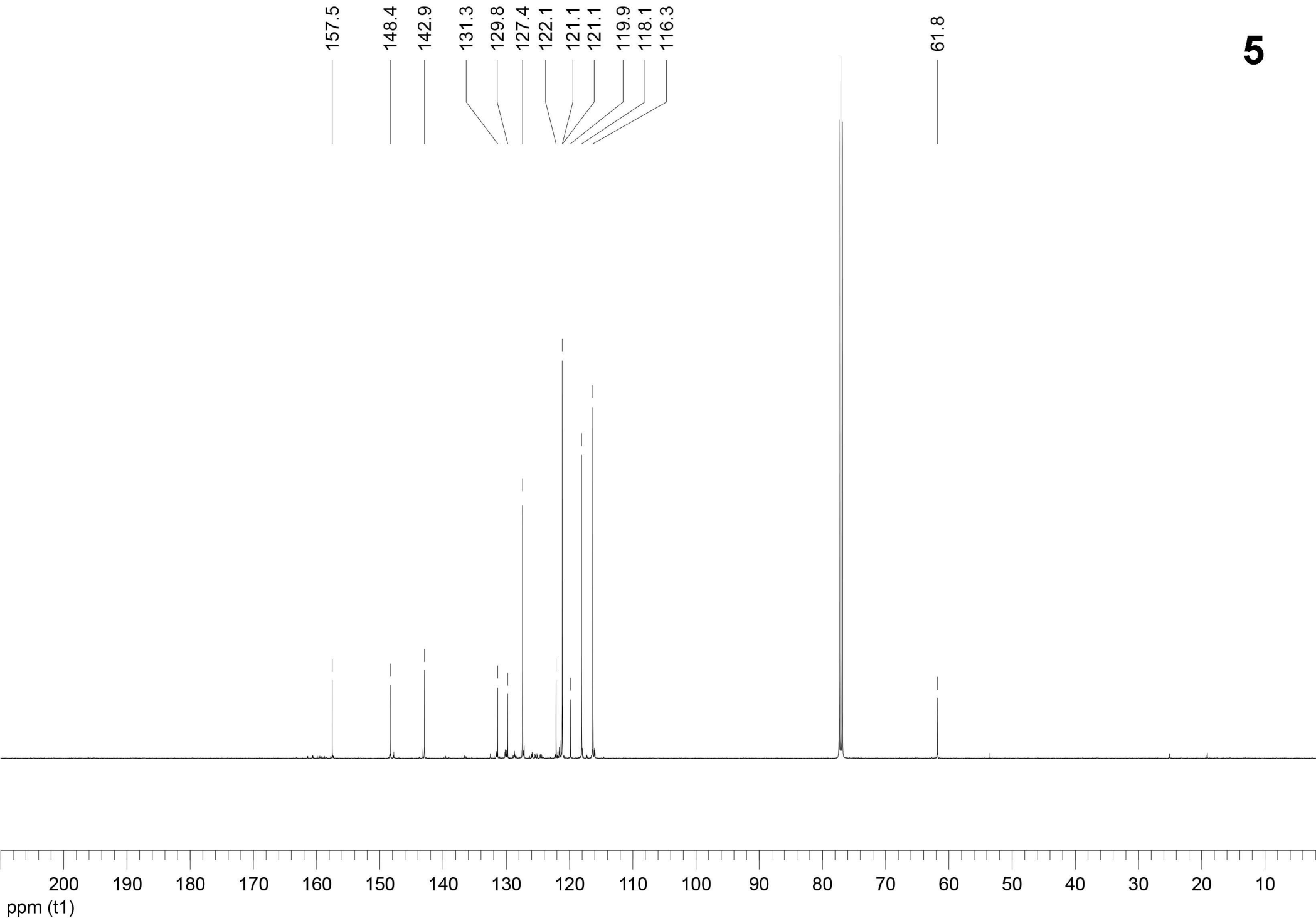


200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
ppm (t1)

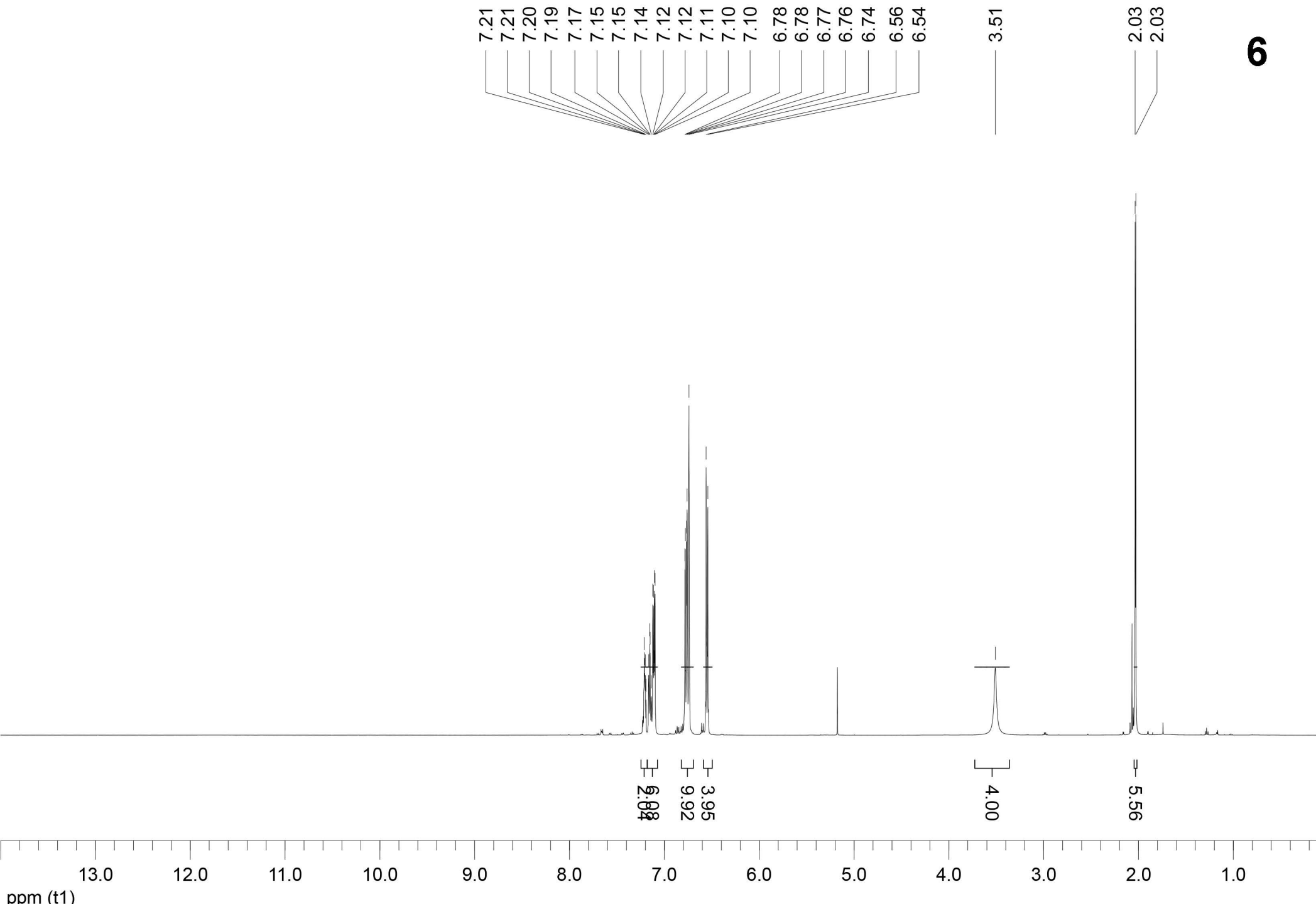
5



5



6

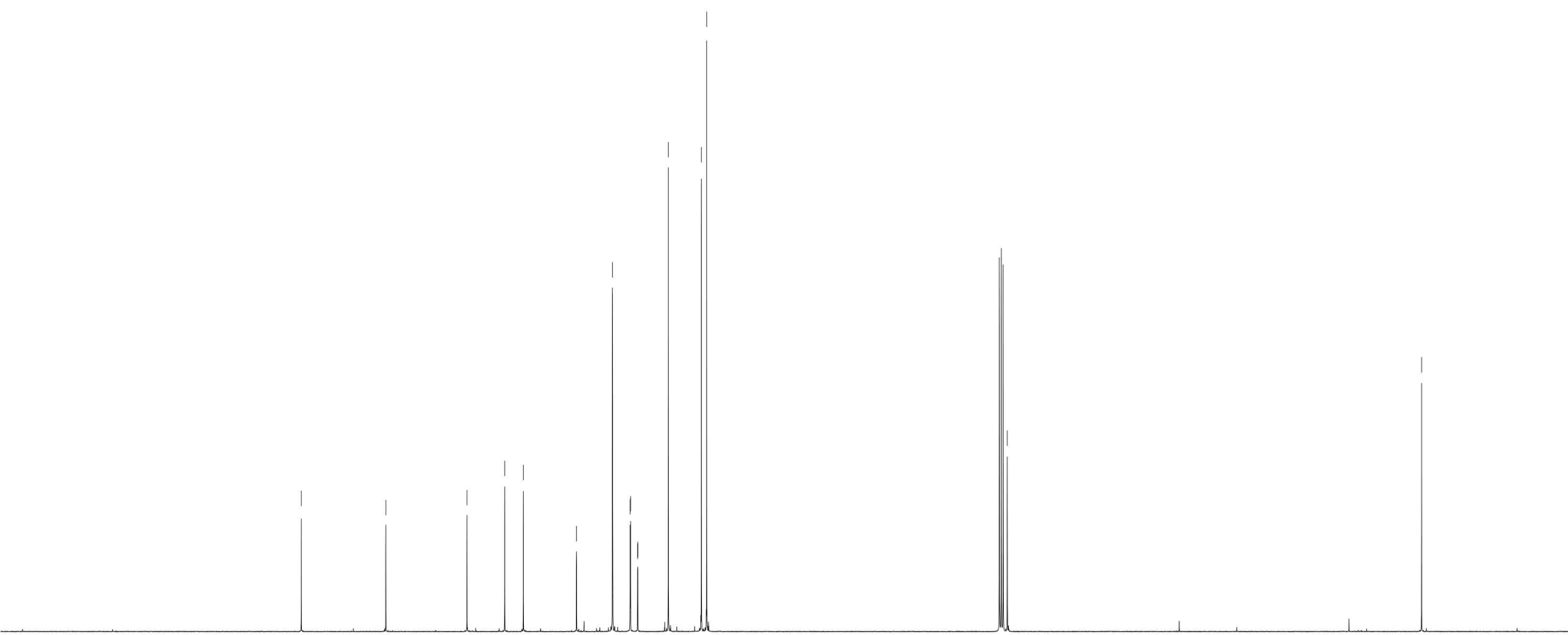


170.1
158.9
148.1
143.1
140.6
133.5
128.8
126.4
126.4
125.4
125.4
121.3
117.0
116.3

76.3

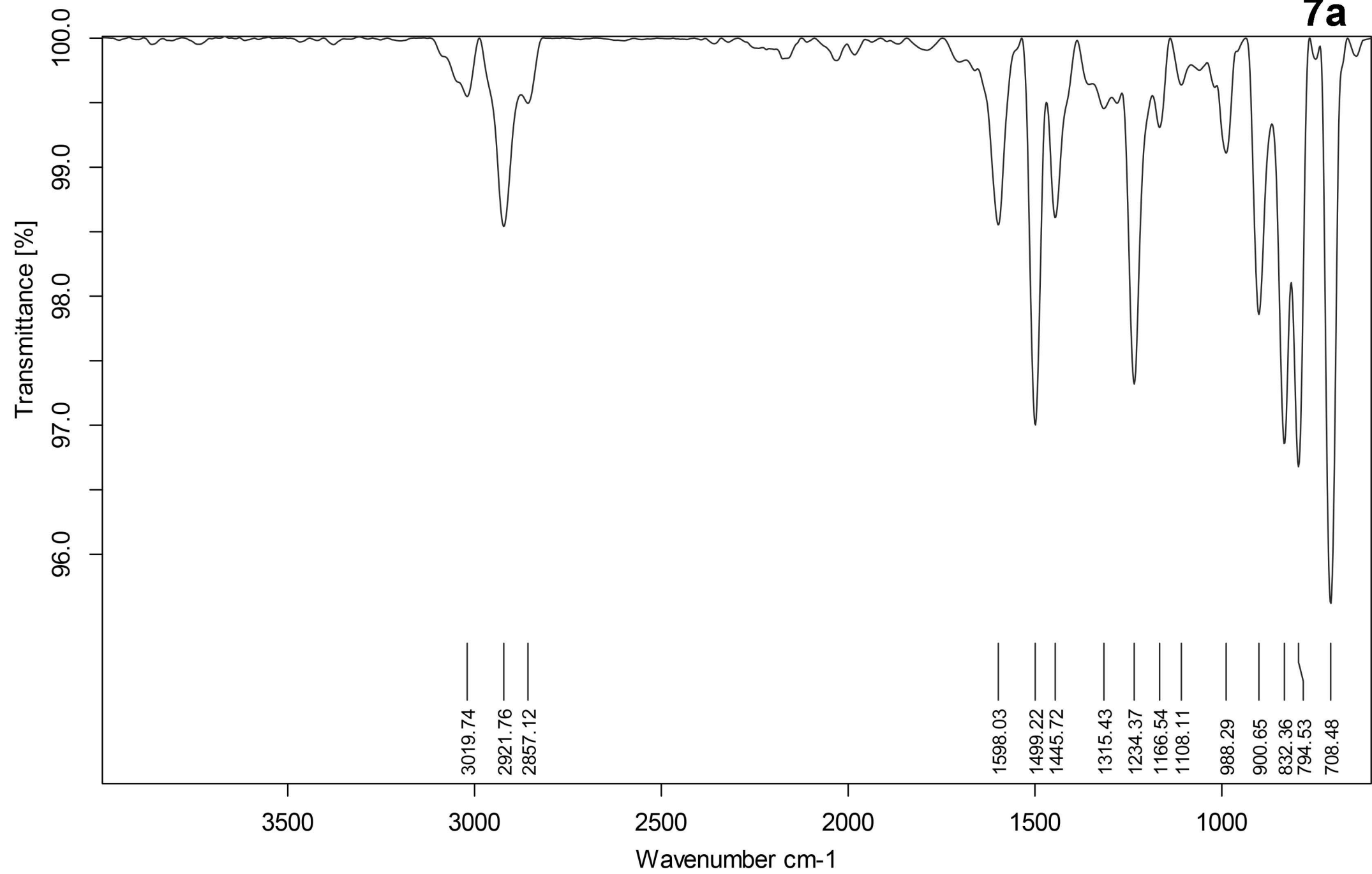
21.3

6

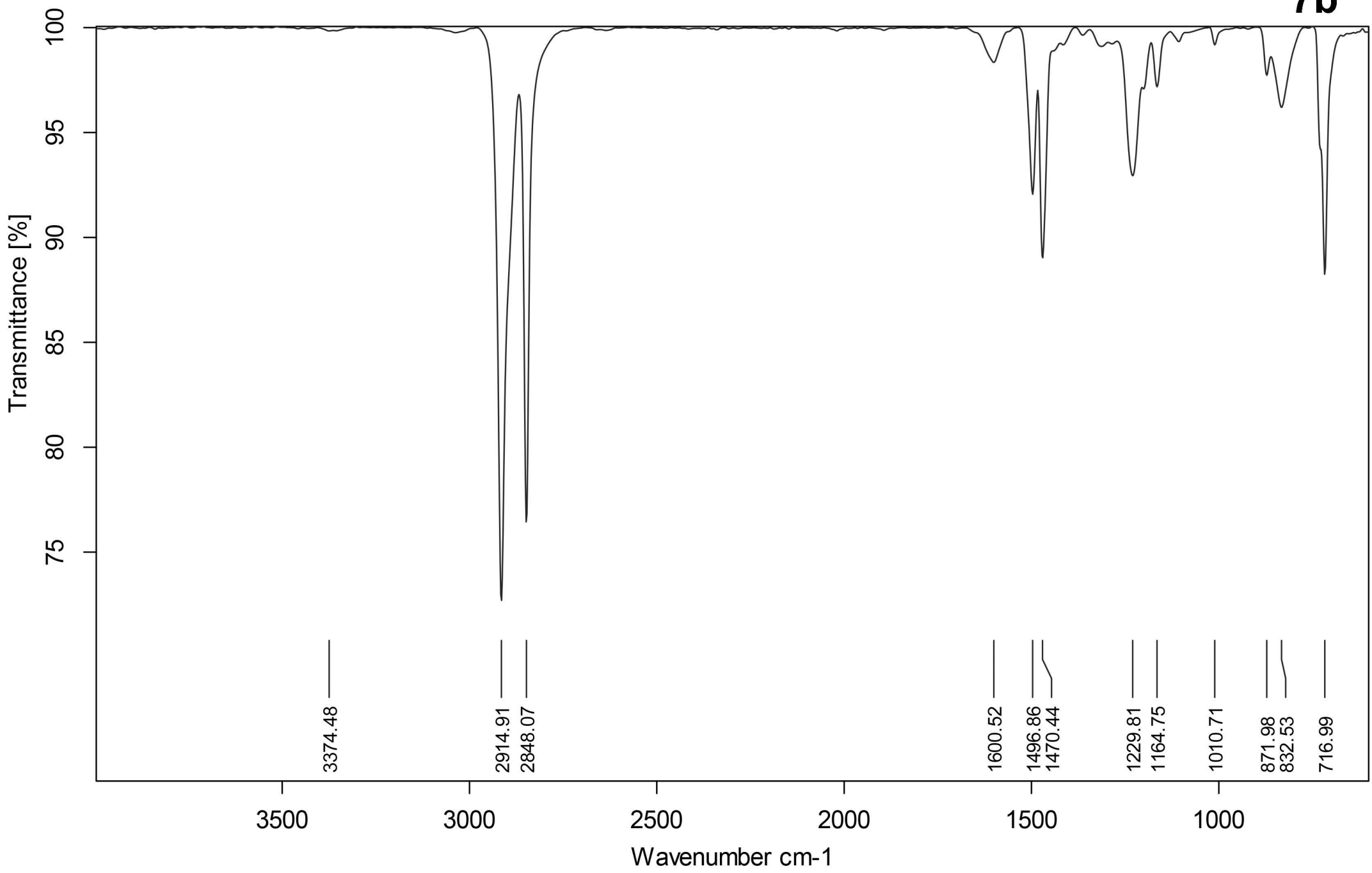


200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10
ppm (t1)

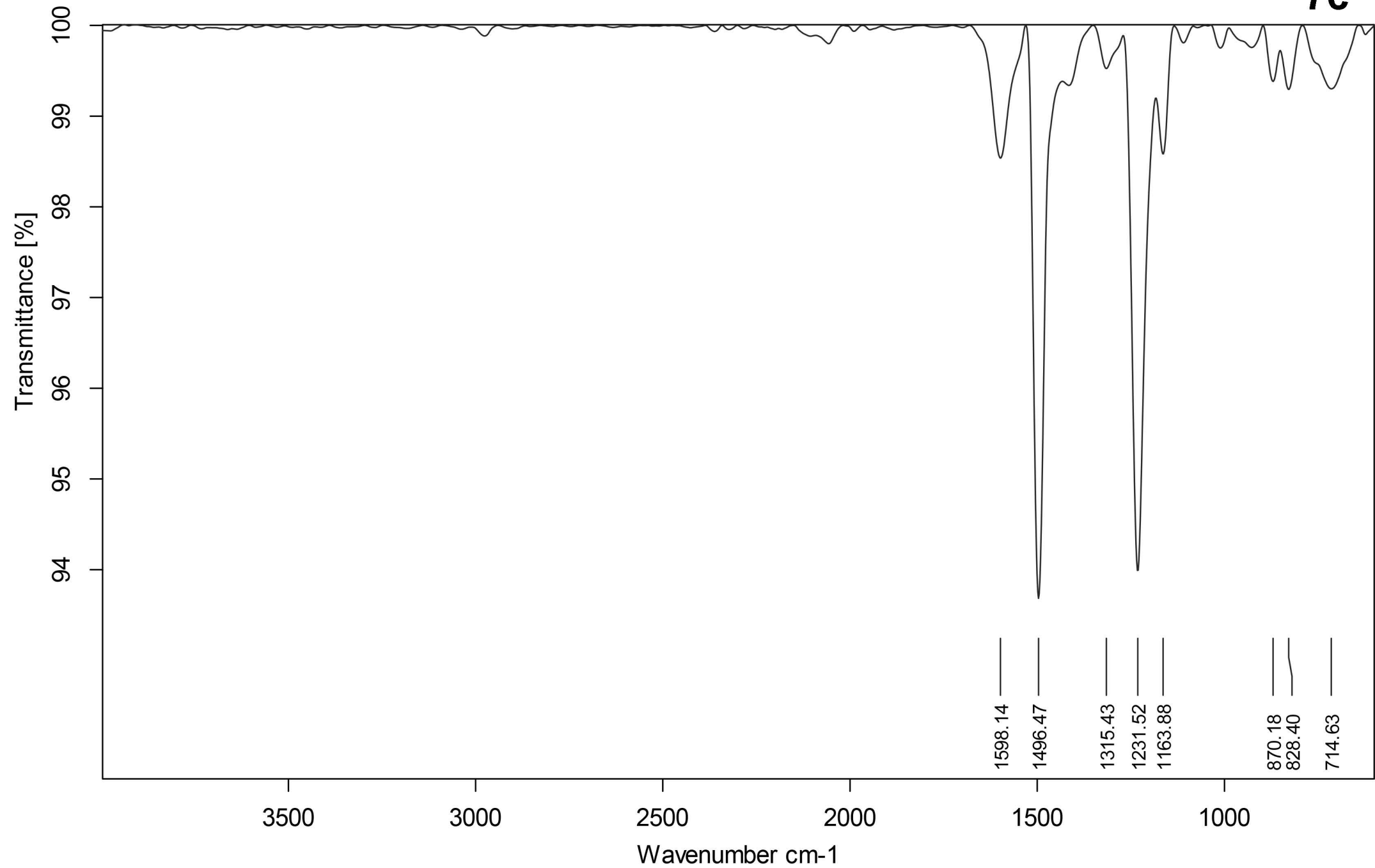
7a



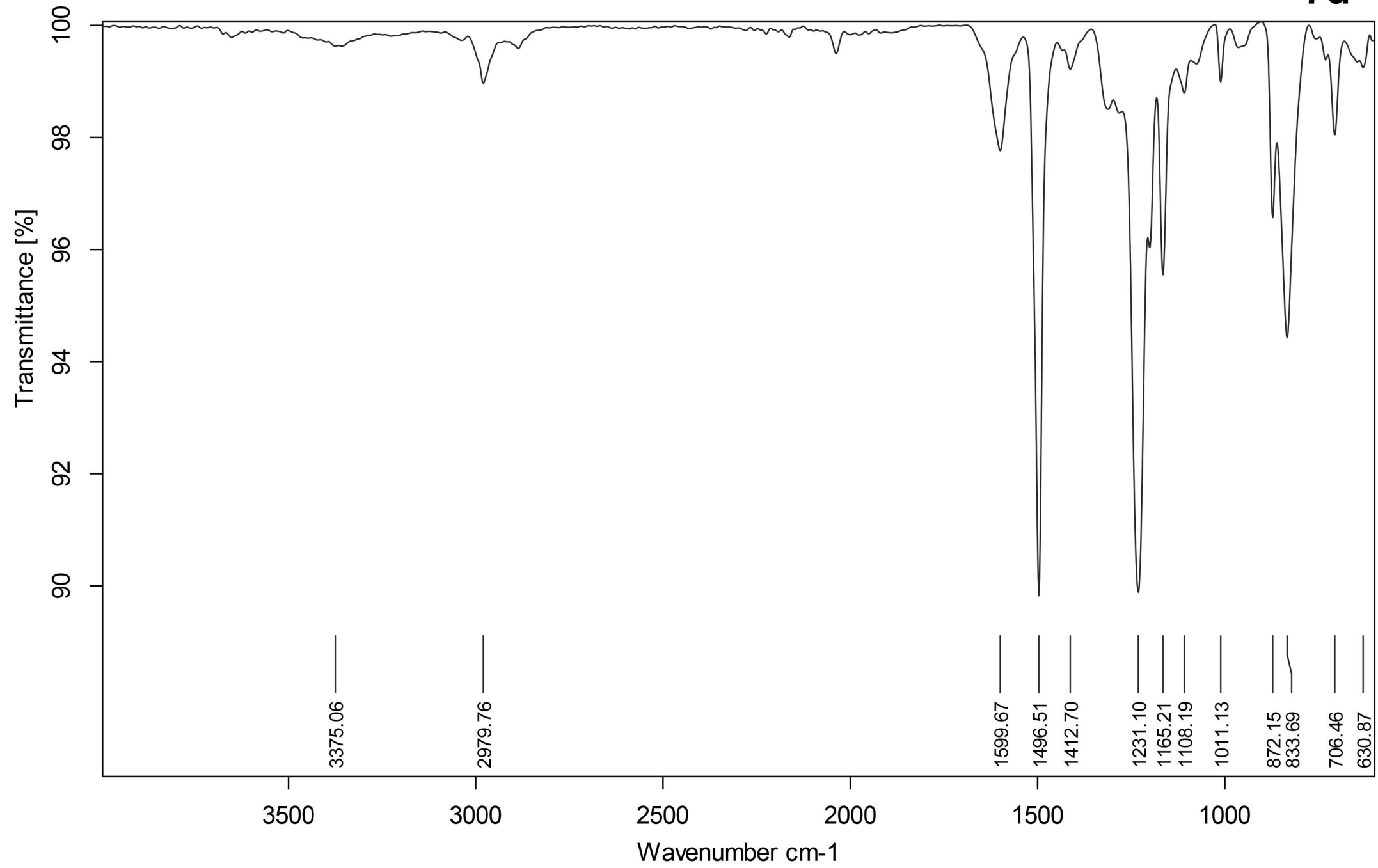
7b



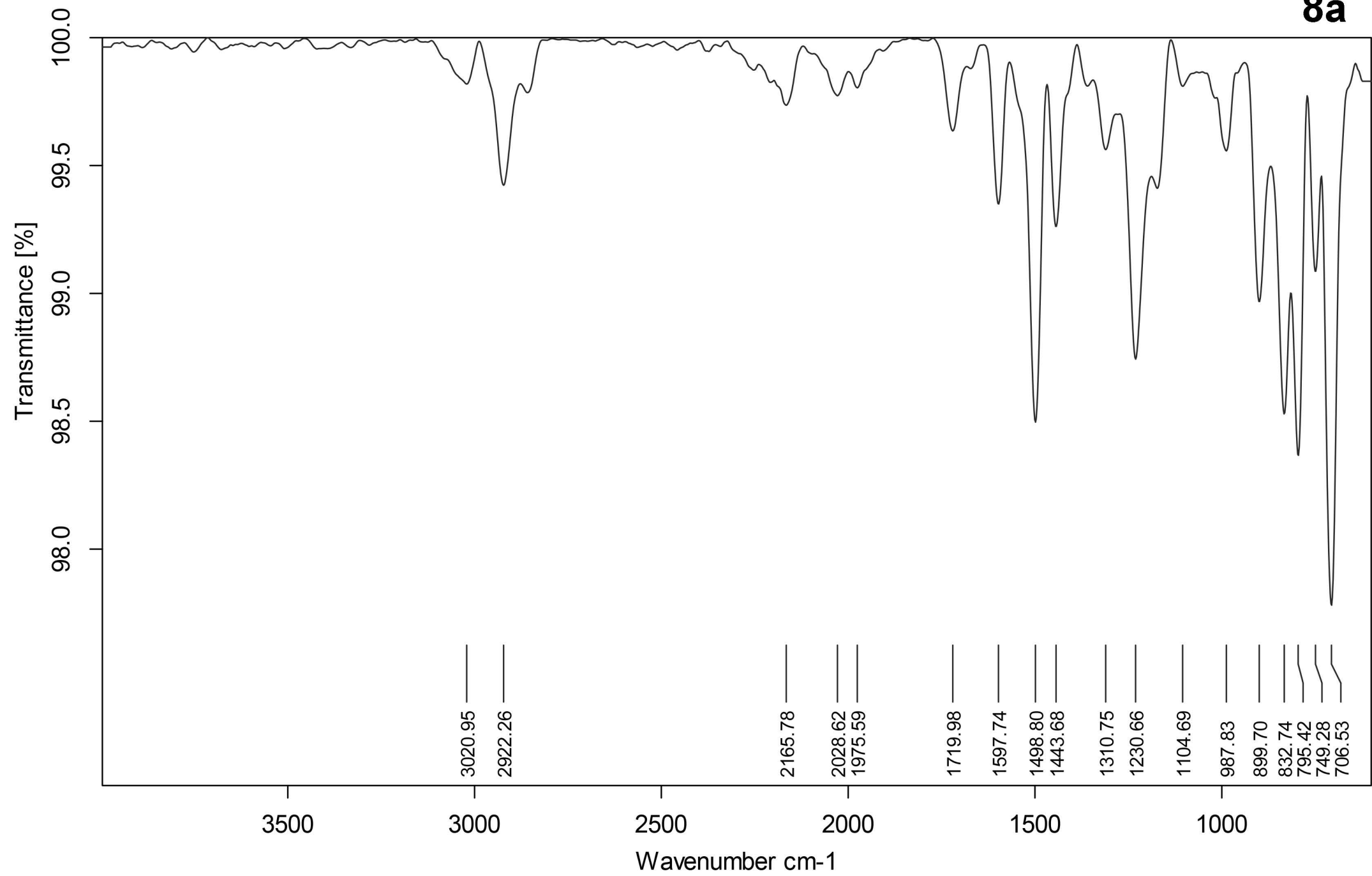
7c



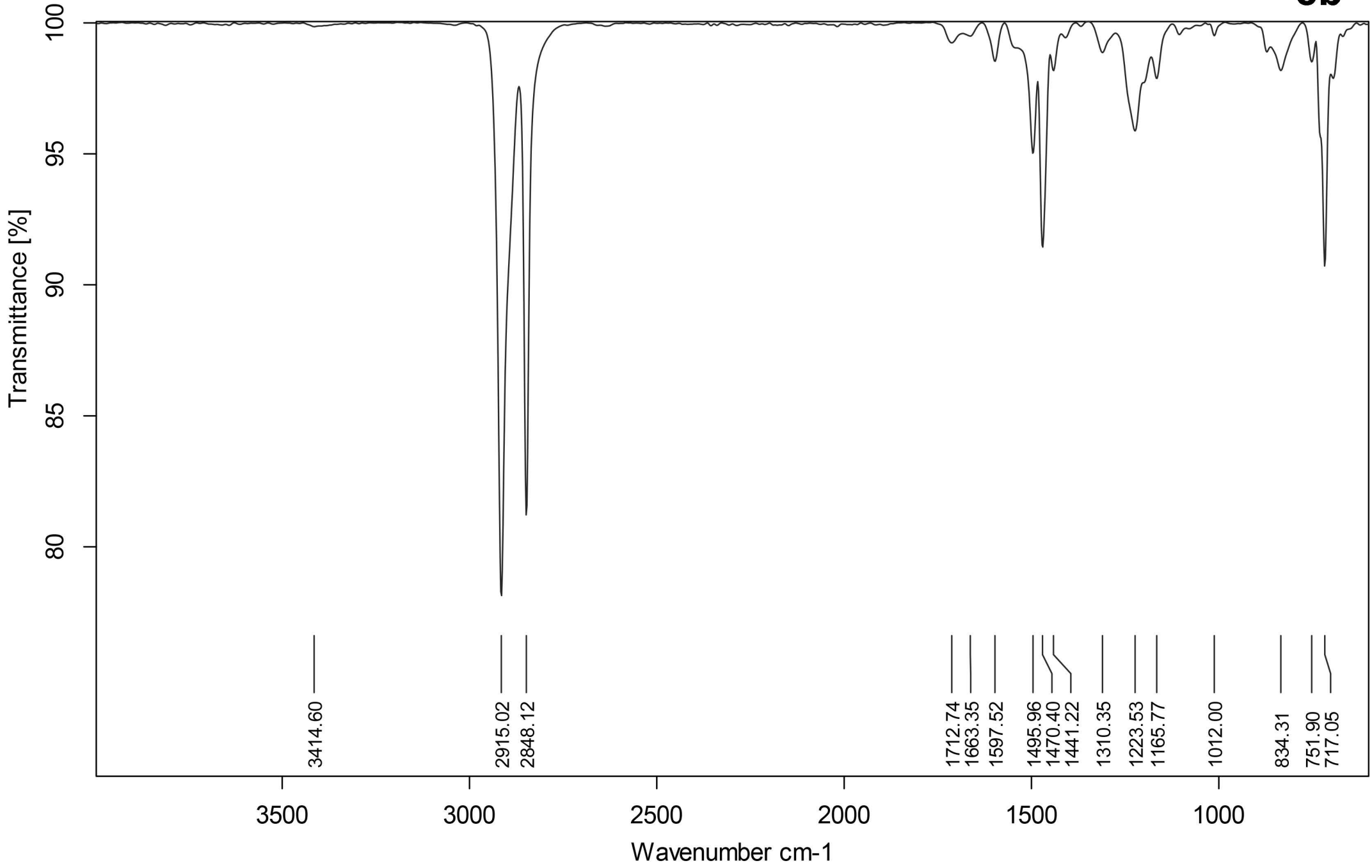
7d



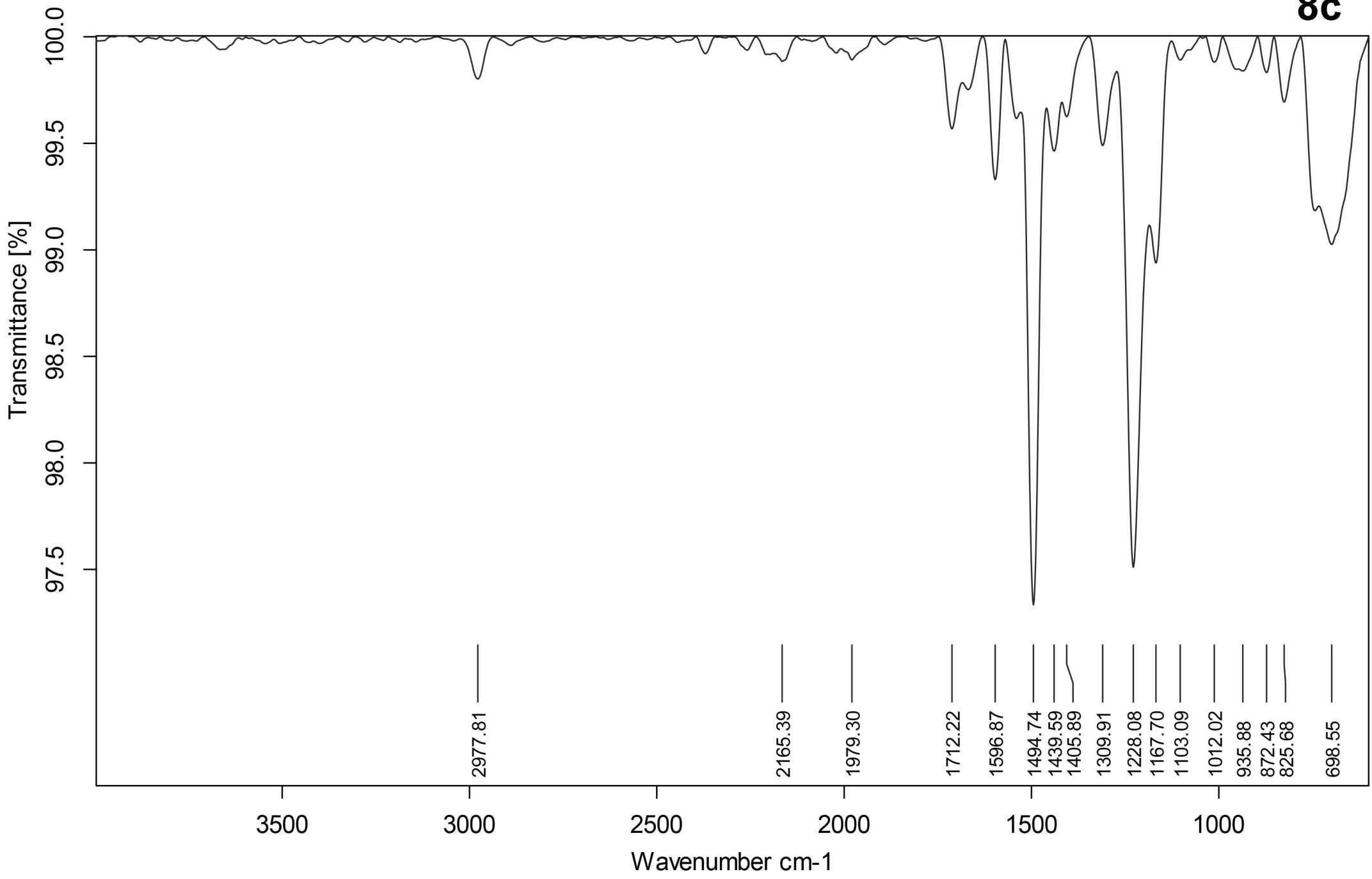
8a



8b



8c



8d

