

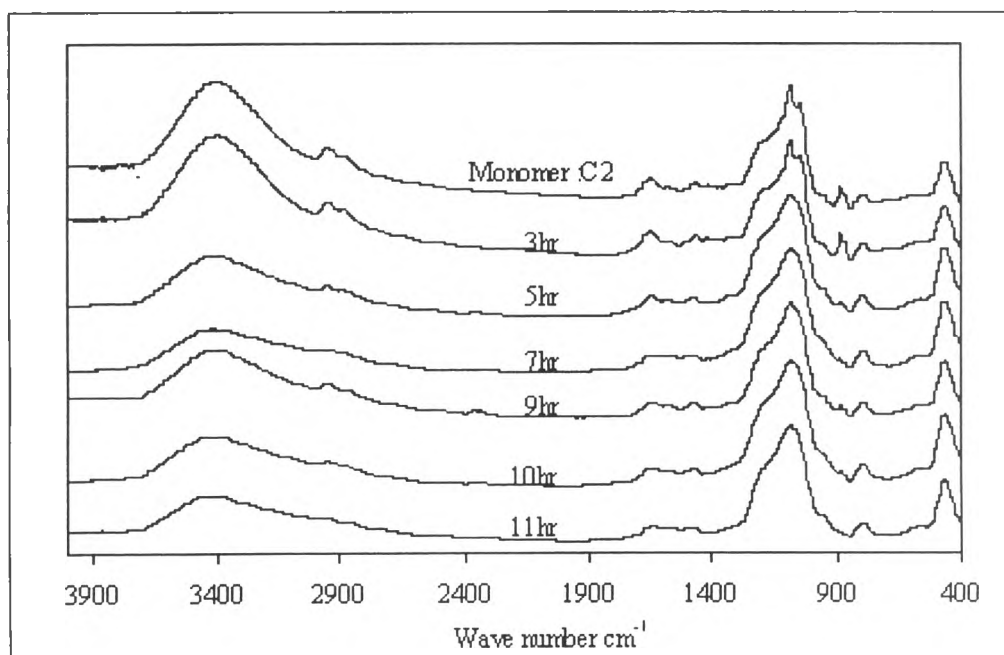
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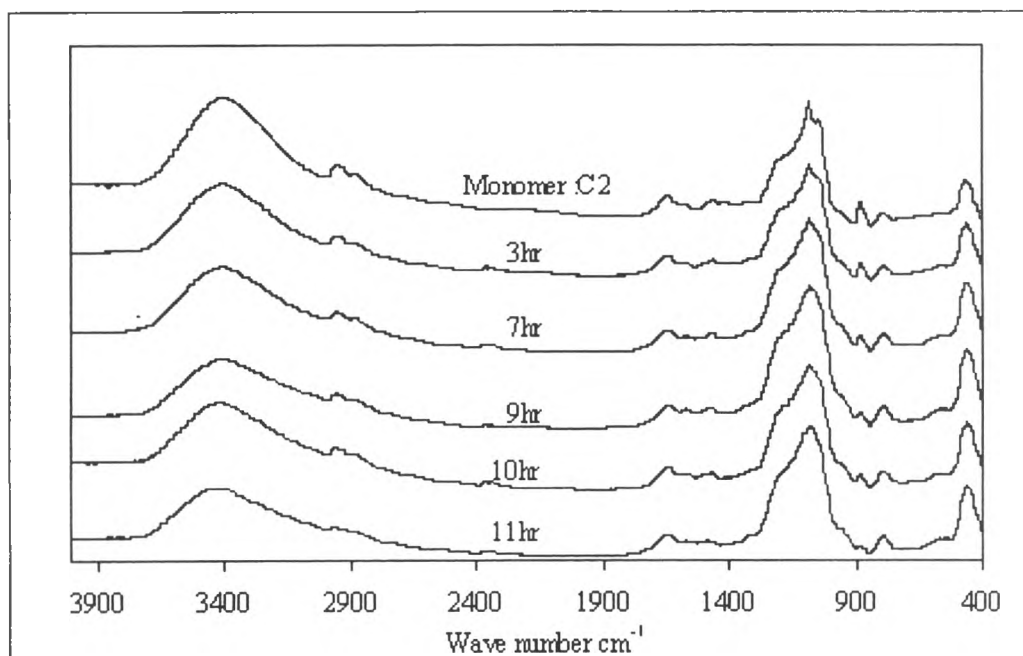
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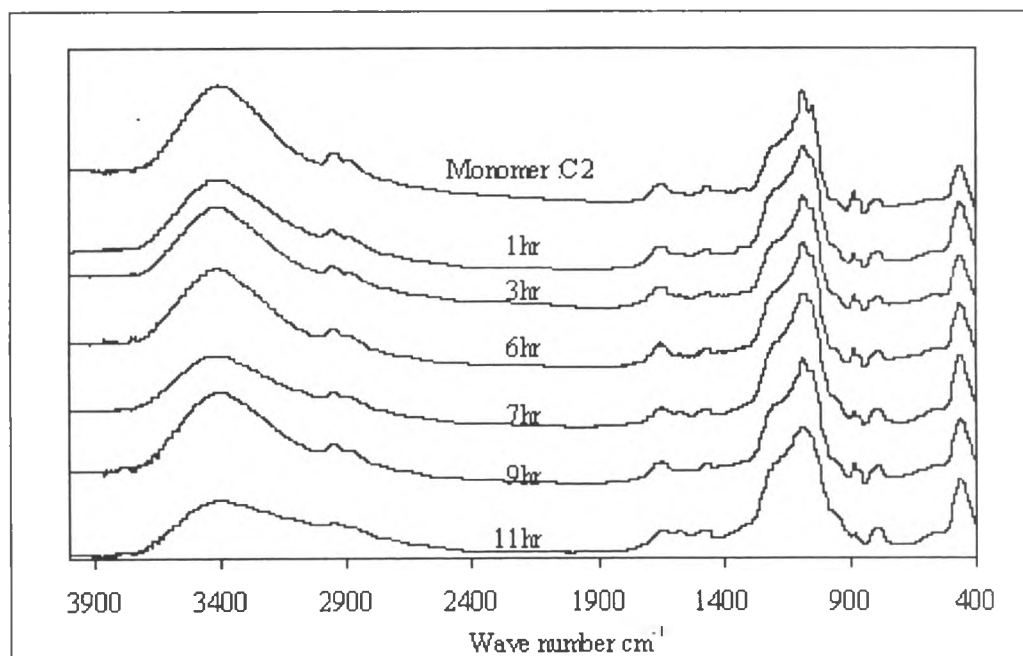
APPENDIX



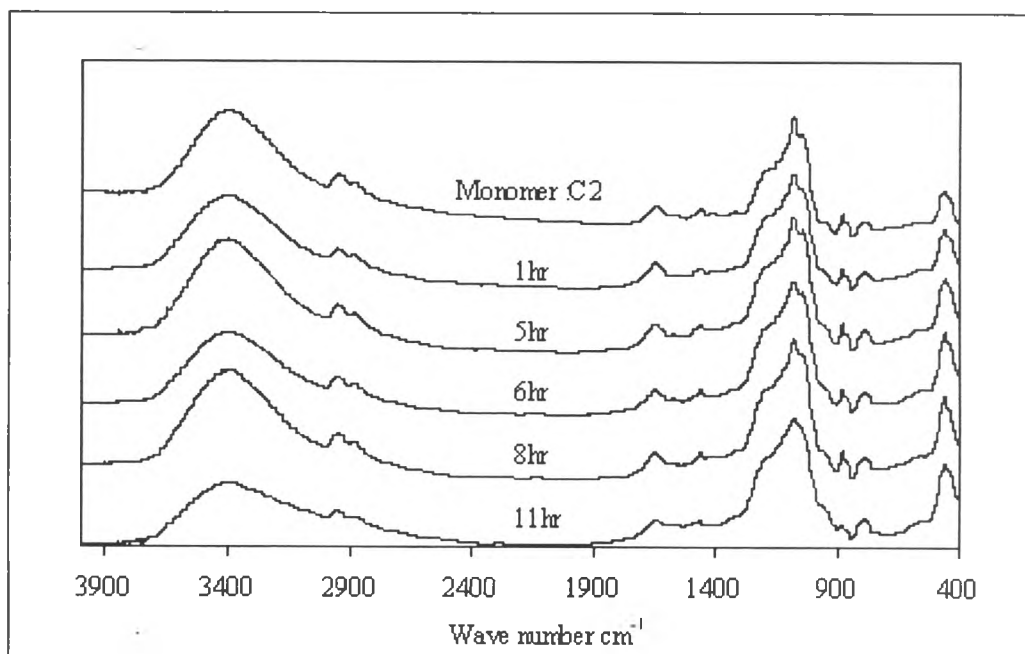
(a) Hydrolysis with 1% HCl of 1M under room temperature.



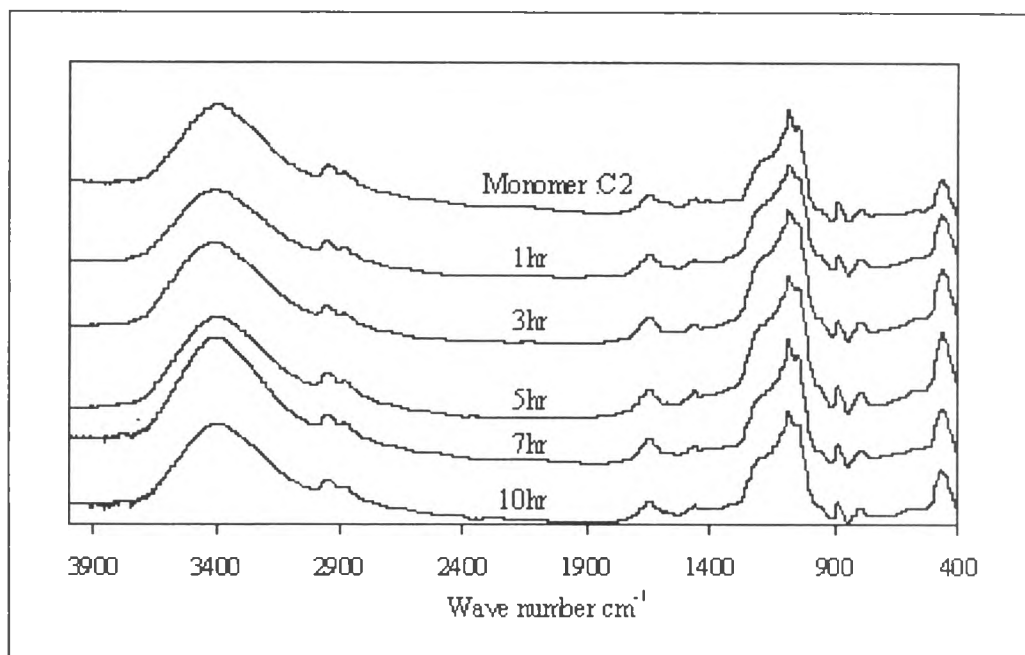
(b) Hydrolysis with 2% HCl of 1M under room temperature.



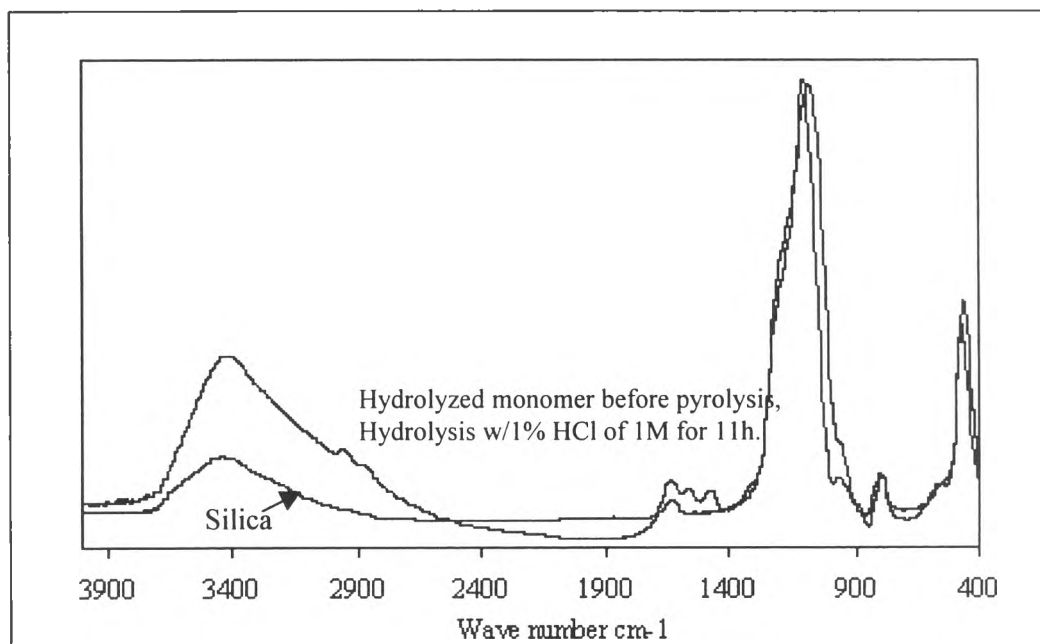
(c) Hydrolysis with 3% HCl of 1M under room temperature.



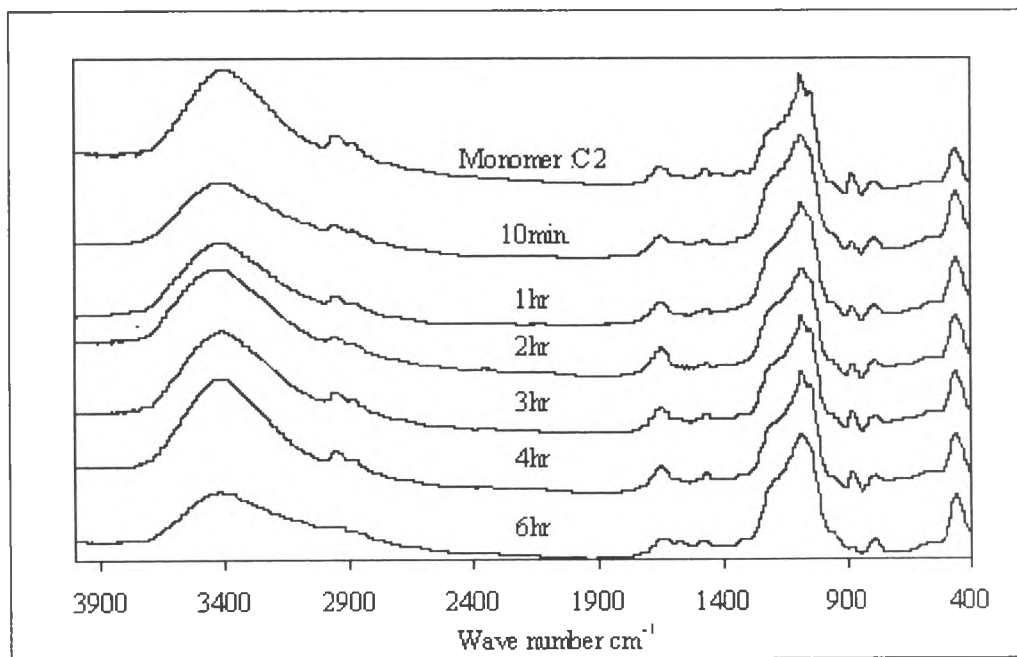
(d) Hydrolysis with 4% HCl of 1M under room temperature.



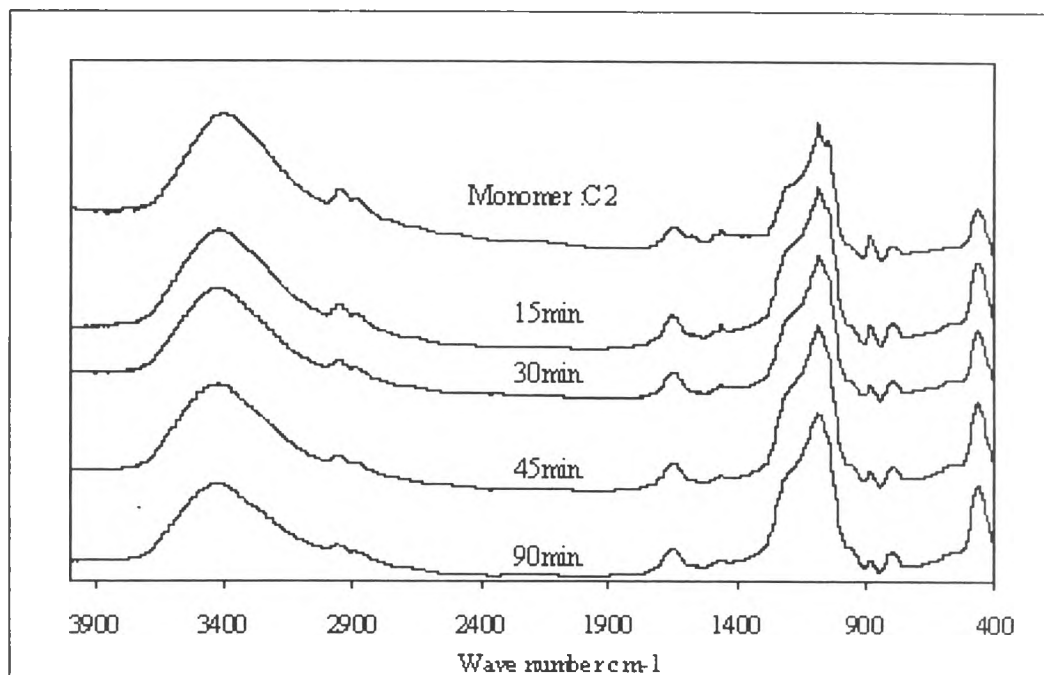
(e) Hydrolysis with 5% HCl of 1M under room temperature.



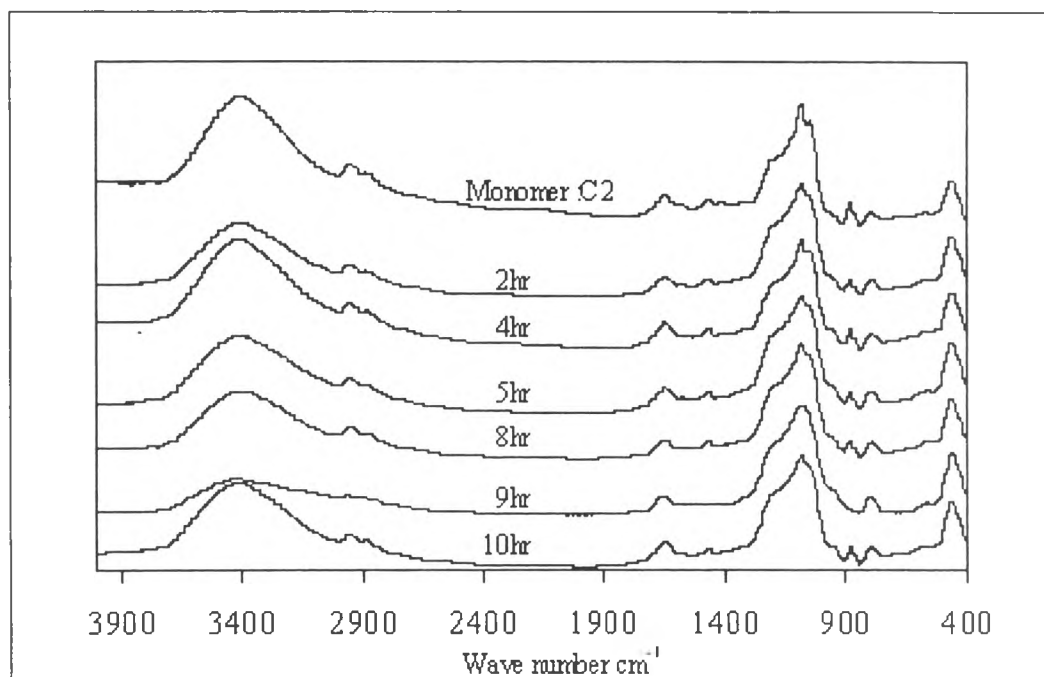
(f) FTIR spectra of hydrolyzed monomer at room temp and fused silica.



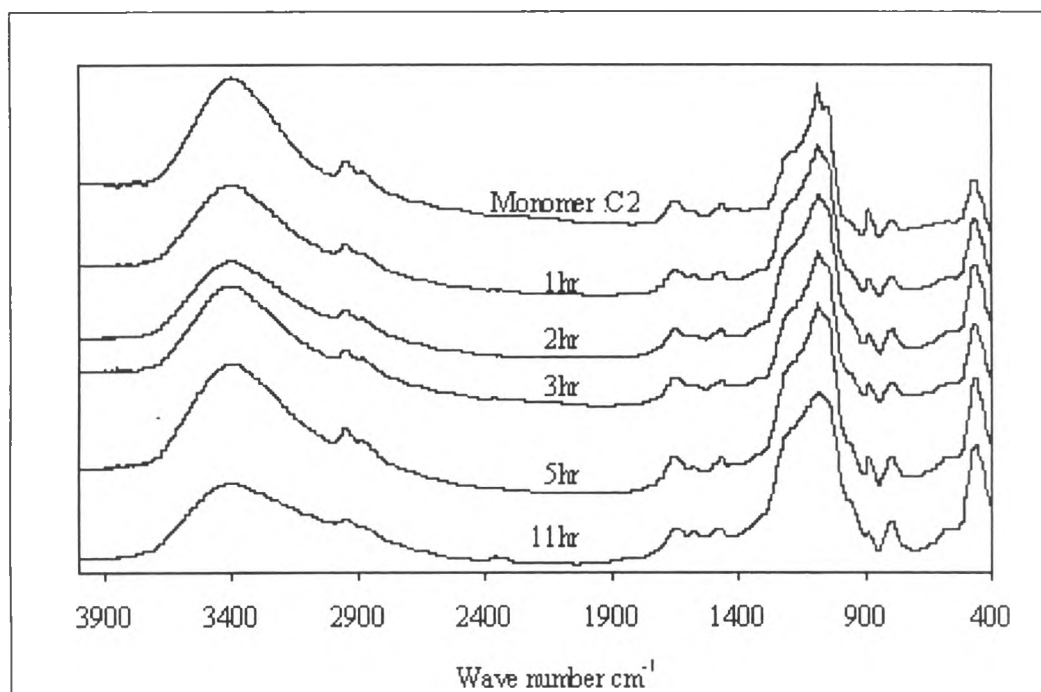
(g) Hydrolysis with 15% HCl of 1M under room temperature.



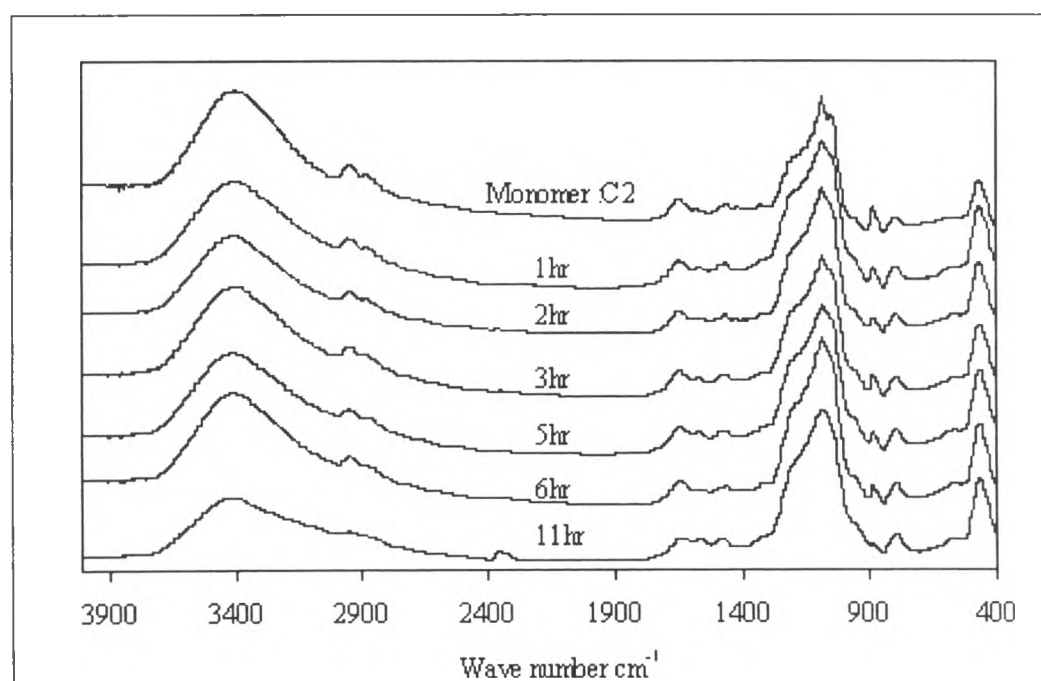
(h) Hydrolysis with 1% HCl of 1M at 40°C.



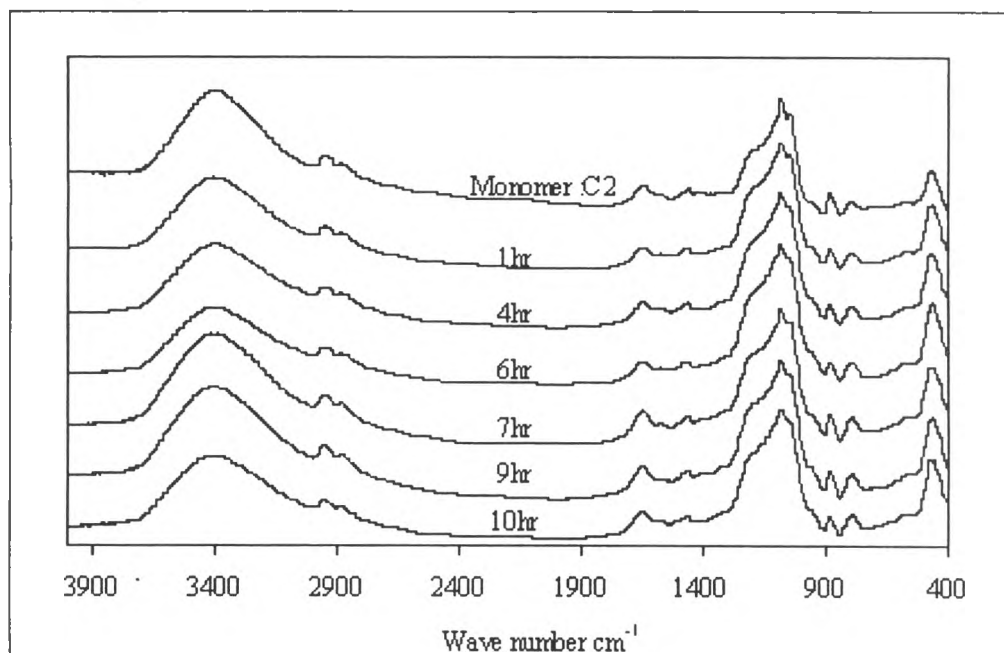
(i) Hydrolysis under 1% NH_4OH of 1M under room temperature.



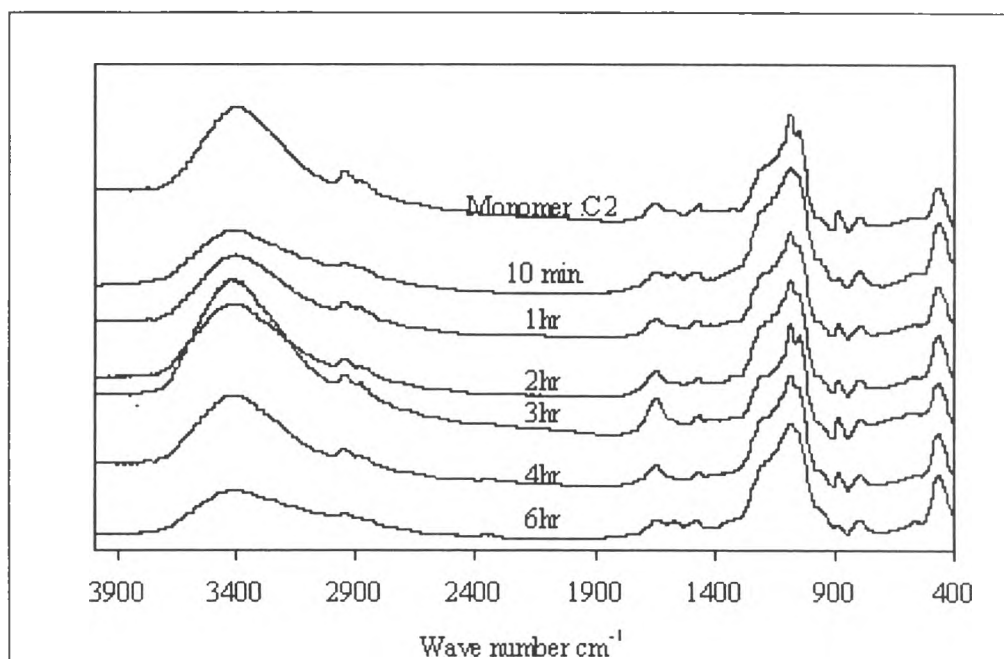
(j) Hydrolysis under 2% NH_4OH of 1M under room temperature.



(k) Hydrolysis under 3% NH_4OH of 1M under room temperature.

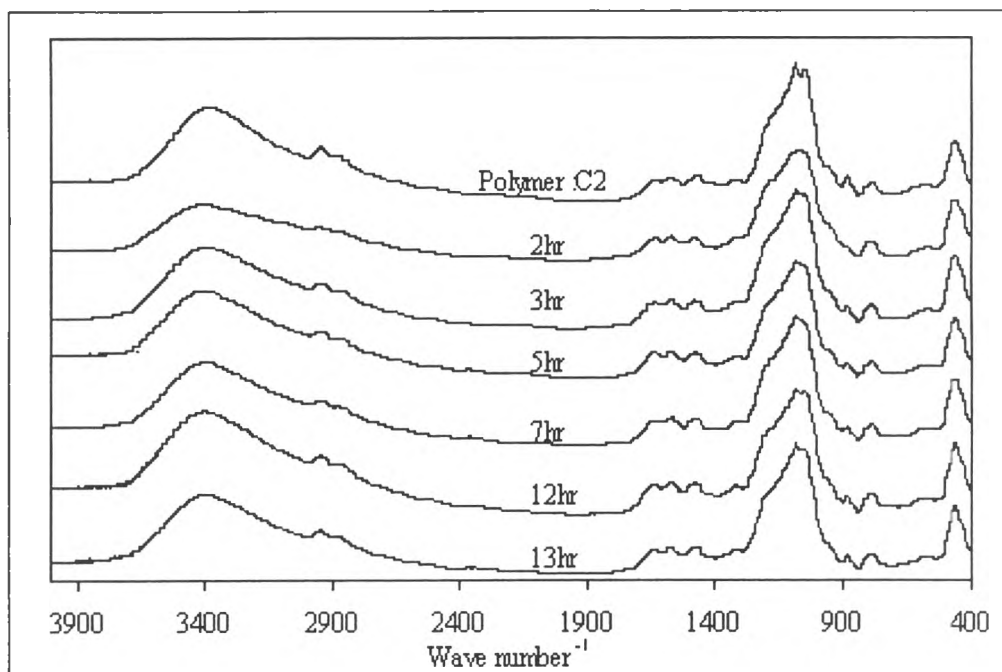


(l) Hydrolysis under 4% NH_4OH of 1M under room temperature.

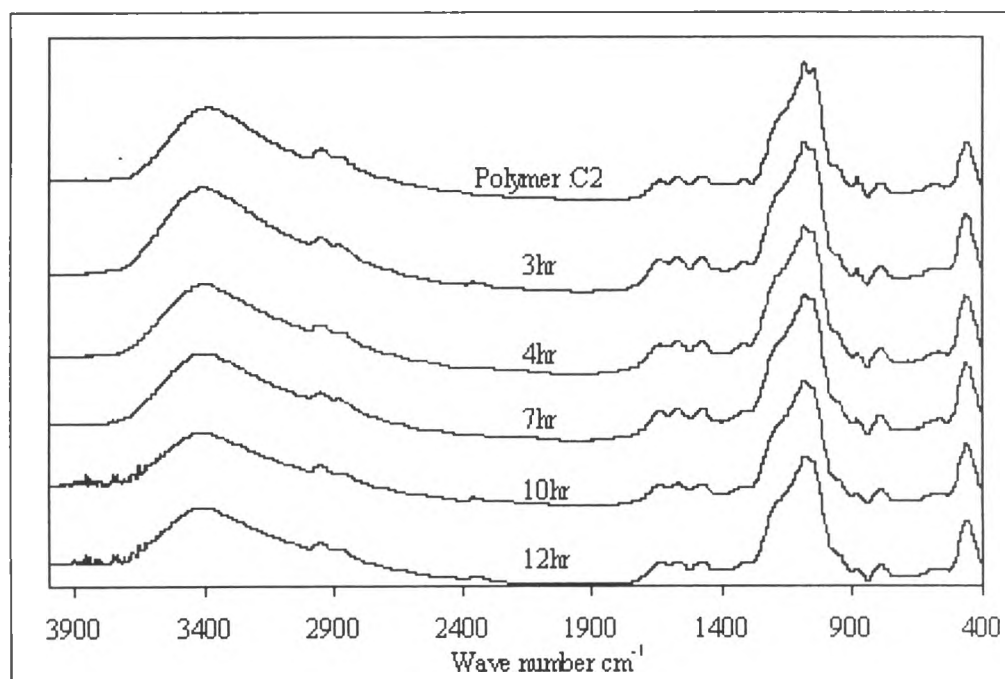


(m) Hydrolysis under 15% NH_4OH of 1M under room temperature.

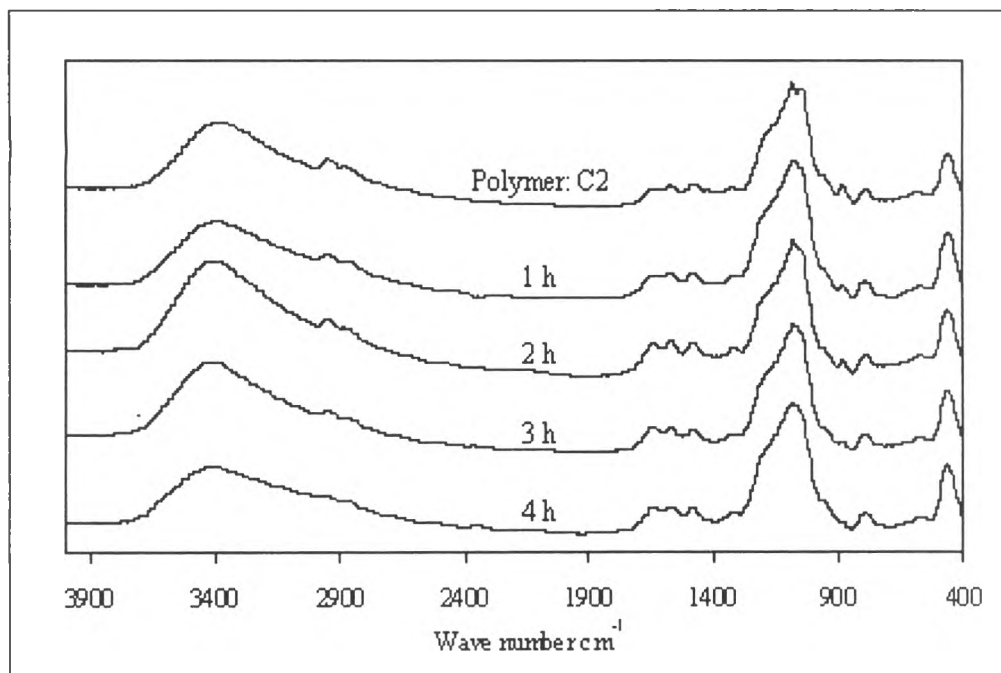
Figure 1 FTIR spectra of monomer from (a)-(m) at various conditions of catalysts and temperature.



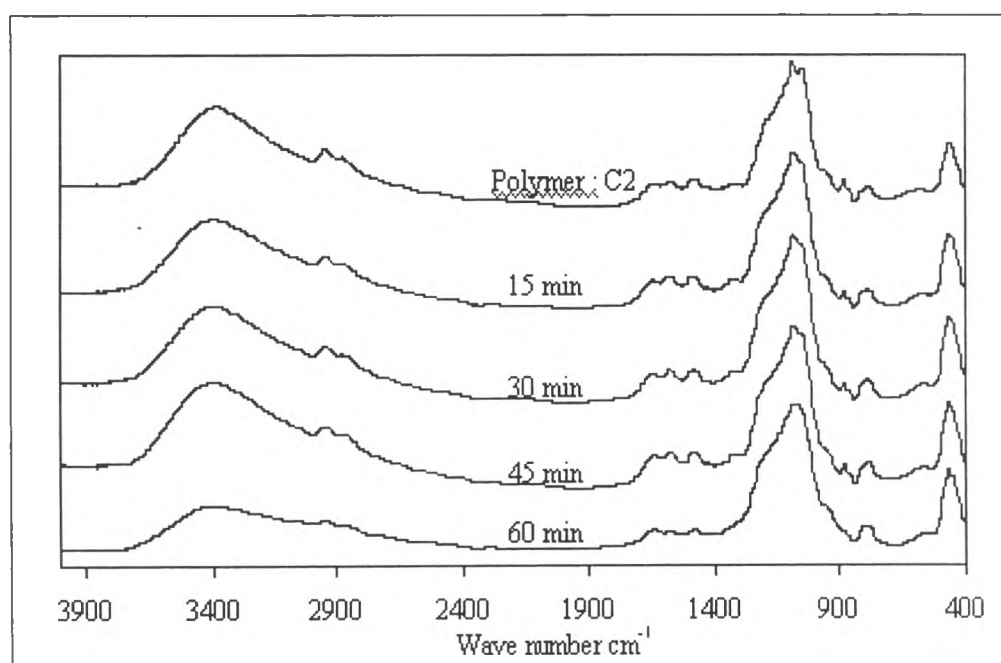
(n) Hydrolysis under 1% HCl of 1M under room temperature.



(o) Hydrolysis under 1% NH_4OH of 1M under room temperature.



(p) Hydrolysis under 1% HCl of 1M at 40°C.



(q) Hydrolysis under 1% HCl of 1M at 60°C.

Figure 2 FTIR bands of polymer from (n)-(q) at various condition.



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