

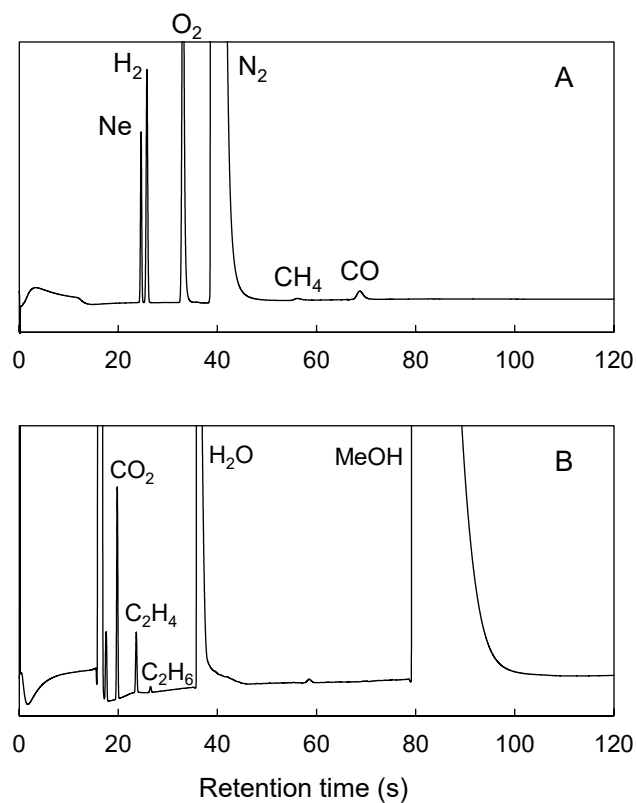


Figure S1 GC chromatogram of gaseous products from Whatman cellulose after pyrolysis by infrared heating (4kW, nitrogen flow: 1 L/min, 5 s). (A) column: MS5A, carrier gas: Ar, column temperature: 100 °C. (B) column: PoraPLOT Q, carrier gas: He, column temperature: 80 °C.

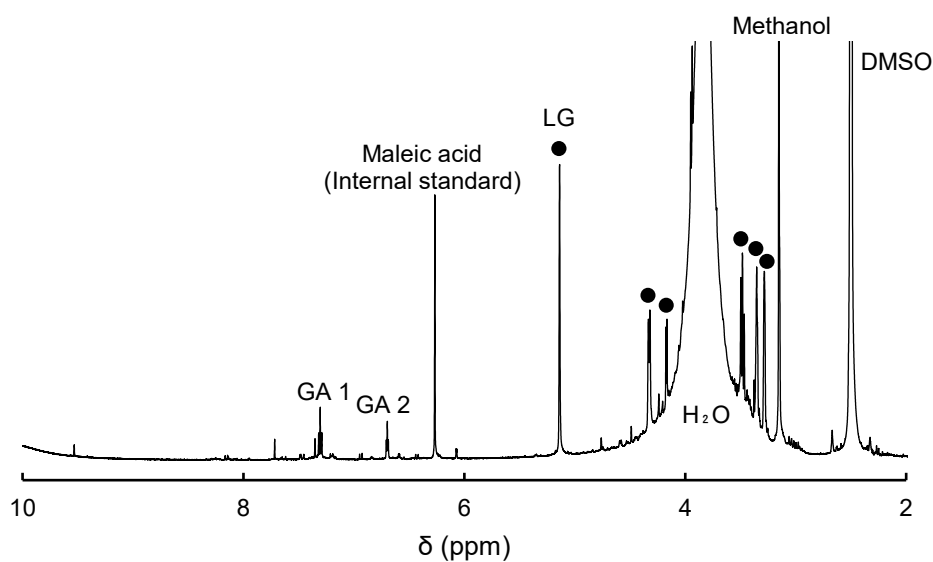


Figure S2 ^1H -NMR spectrum of soluble products in methanol from Whatman cellulose after pyrolysis by infrared heating (4kW, nitrogen flow: 1 L/min, 5 s)