

Electronic Supporting Information (ESI)

Microwave-assisted catalytic synthesis of bio-based copolymers from waste cooking oil

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Differential Scanning Calorimetry (DSC):

Figure S1 shows the DSC thermograms of 2nd heating run of the selected polymers obtained by MW assisted copolymerization. It is evident from thermograms that these biopolymers generally show transitions close to -20°C which could be the glass transitions of these biopolymers. The polymer synthesized using DMAP as co-catalyst entry 3 table 2 clearly displayed two additional peaks, one endothermic peak which could be melting and another exothermic peak which could be due to crystallization.

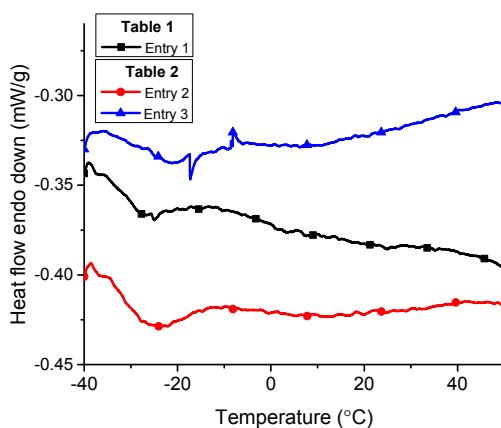


Figure S1: DSC thermograms of selected polyesters table 1, entry 1, and table 2, entry 2, & 3.