

Supplementary Materials

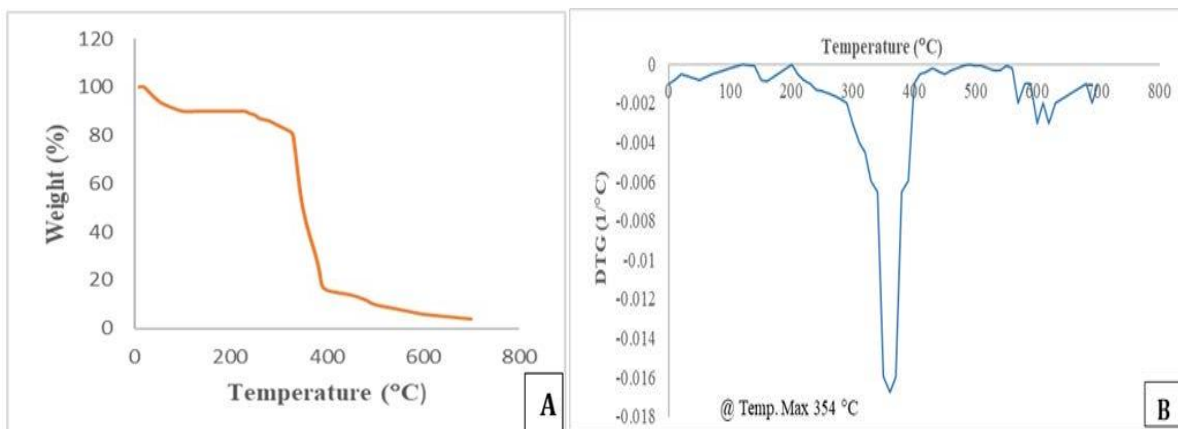


Figure 9 Thermogram (TG) of cellulose ester (A), derivative thermogram analysis (DTG) of cellulose ester (B).

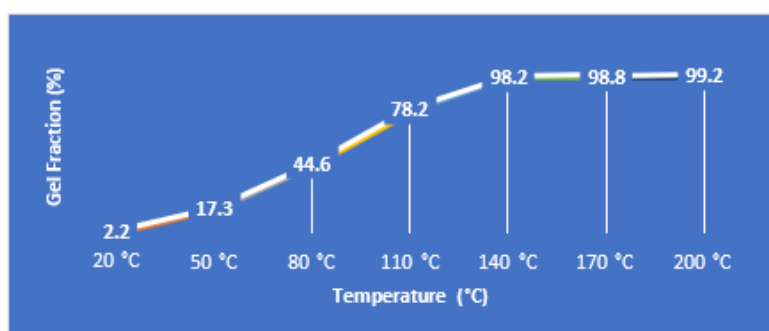


Figure 10 Gelation characteristics with increasing temperature



Figure 11 Fire tests of MAP and MAP+ Cellulose Hydrogel fire extinguishing agents(A), Fuel coating characteristics of MAP (B) and MAP+Cellulose-Hydrogel (C)