

Cellulose dissolution in ionic liquid under mild conditions: Effect of hydrolysis and temperature

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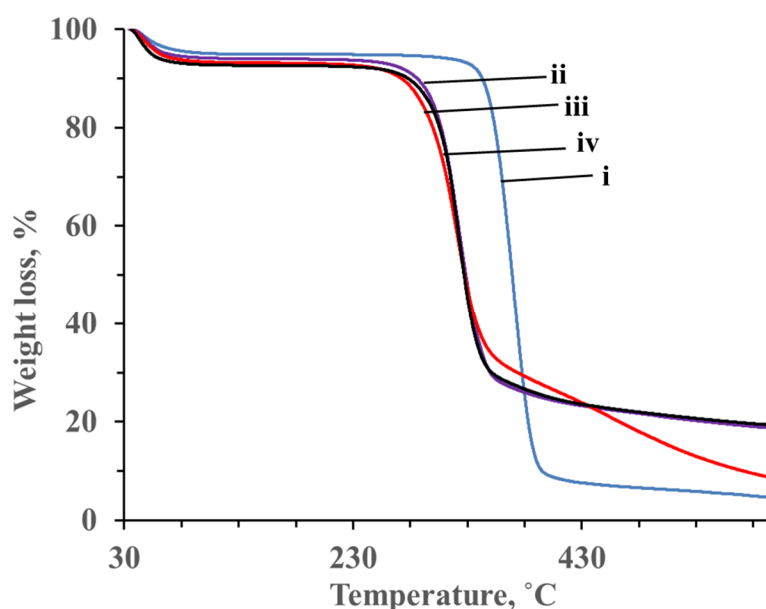
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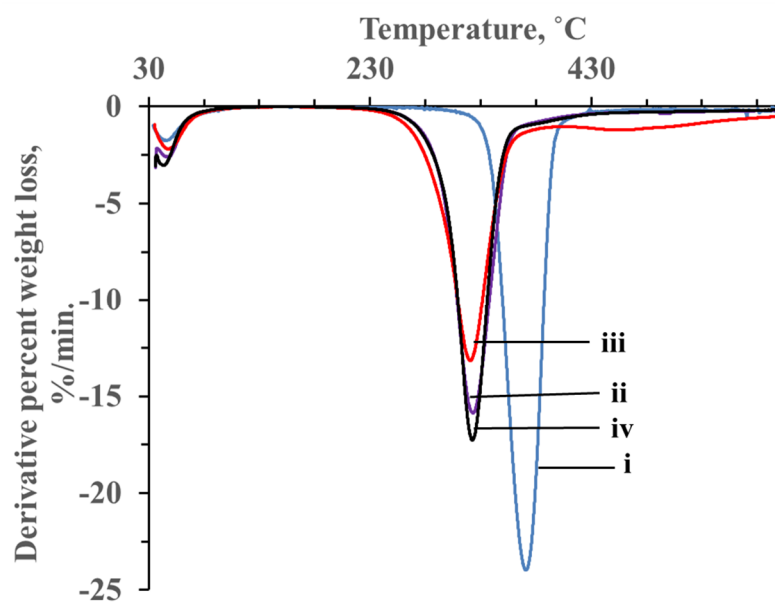
Supplementary Information

Supplementary Table S1. Weight loss and cellulose decomposition temperature of cotton and hydrolyzed cotton samples.

Sample	Weight loss, %		Cellulose decomposition temperature, °C
	37 – 150°C	150 – 450°C	
Cotton	5	90	372
HC-1	6	71	323
HC-2	7	72	321
HC-3	7	70	322



Supplementary Figure S1. TGA thermograms of cotton and hydrolyzed cotton samples: (i) cotton, (ii) HC-1, (iii) HC-2, (iv) HC-3.



Supplementary Figure S2. DTG curves of cotton and hydrolyzed cotton samples: (i) cotton, (ii) HC-1, (iii) HC-2, (iv) HC-3.