

SUPPORTING INFORMATION

Isolation of Cellulose Nanocrystals from Pseudostems of Banana Plants

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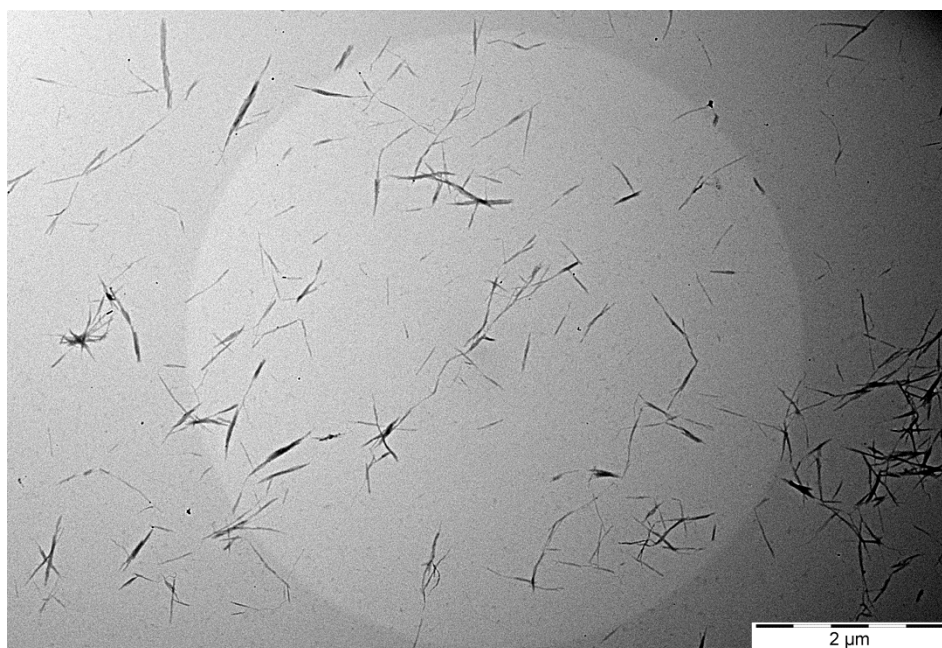


Figure S1. Representative TEM-micrograph of c-CNCs.

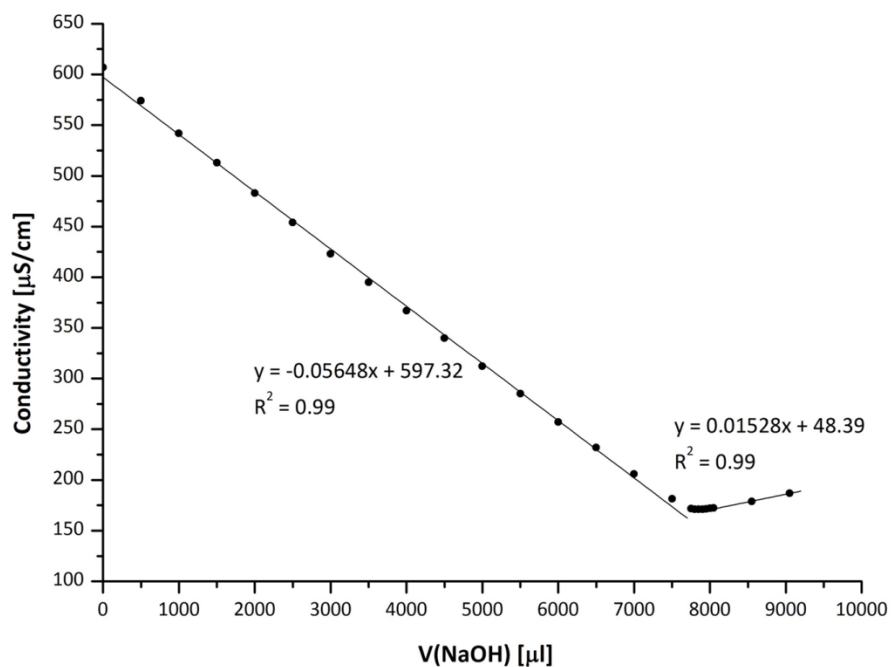


Figure S2. Conductometric titration curve of c-CNCs.

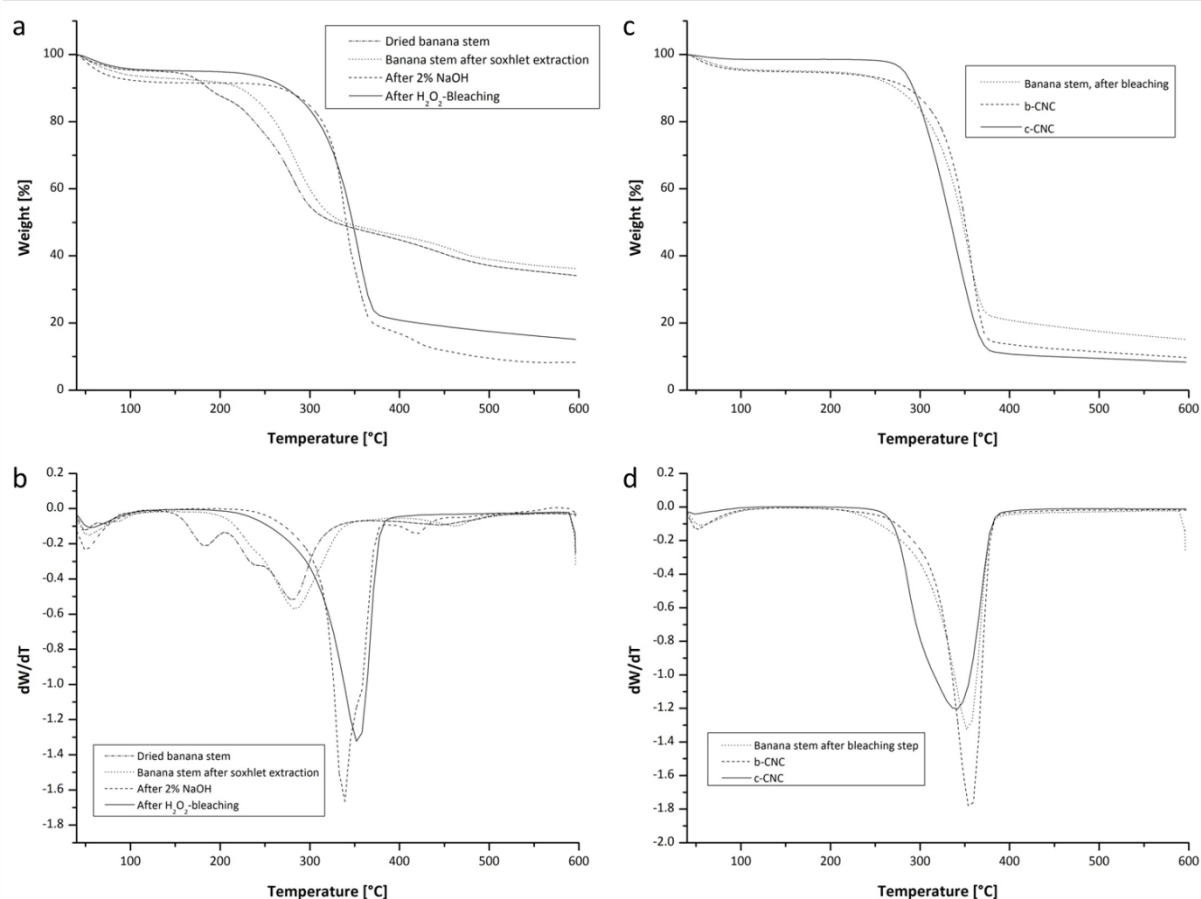


Figure S3. Graphs in Figure 3a and 3b show TGA and DTG graphs of banana stem after every extraction step, whereas graphs in Figure 3c and 3d show TGA and DTG graphs illustrate the difference between b-CNCs, banana pulp, and c-CNCs extracted from cotton.

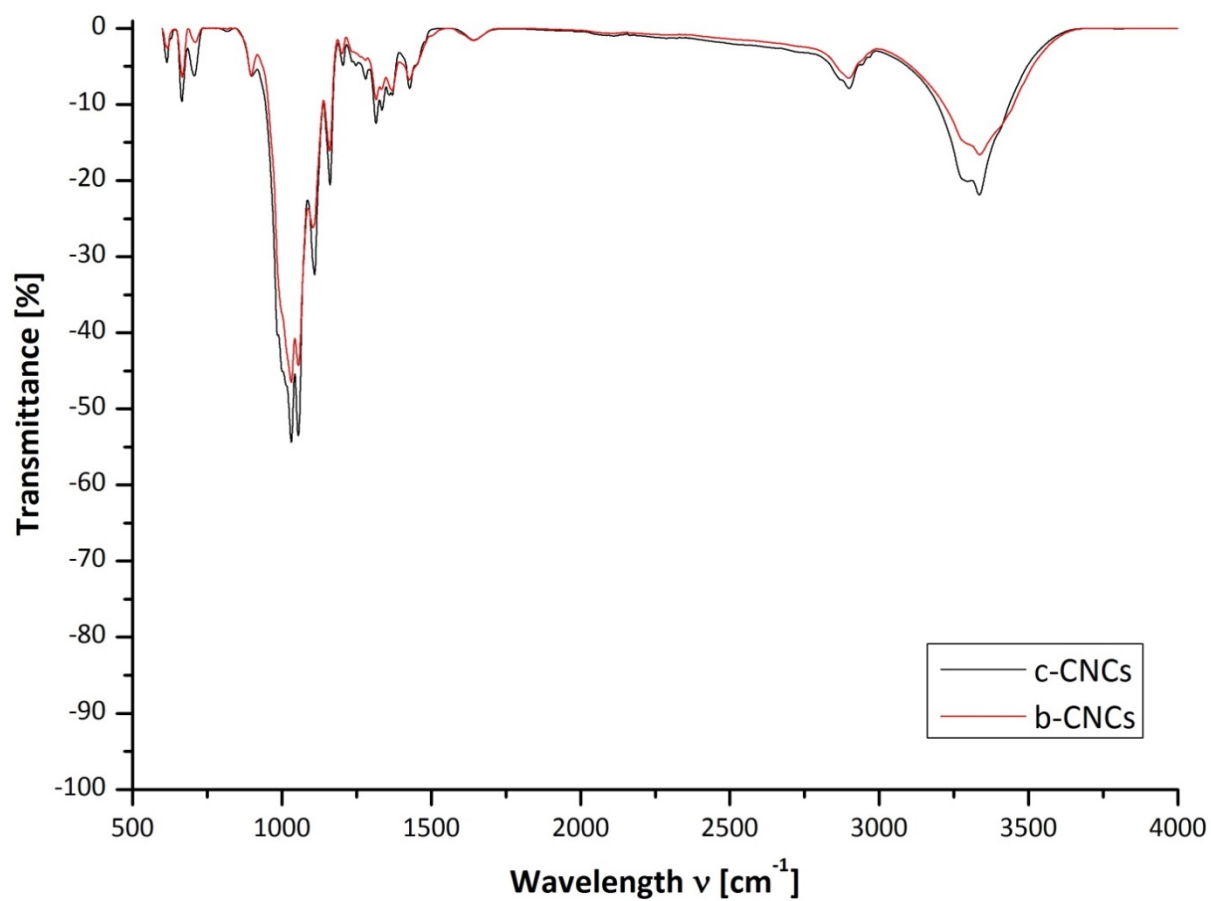


Figure S4. IR-spectra of c-CNCs (black line) and b-CNCs (red line).

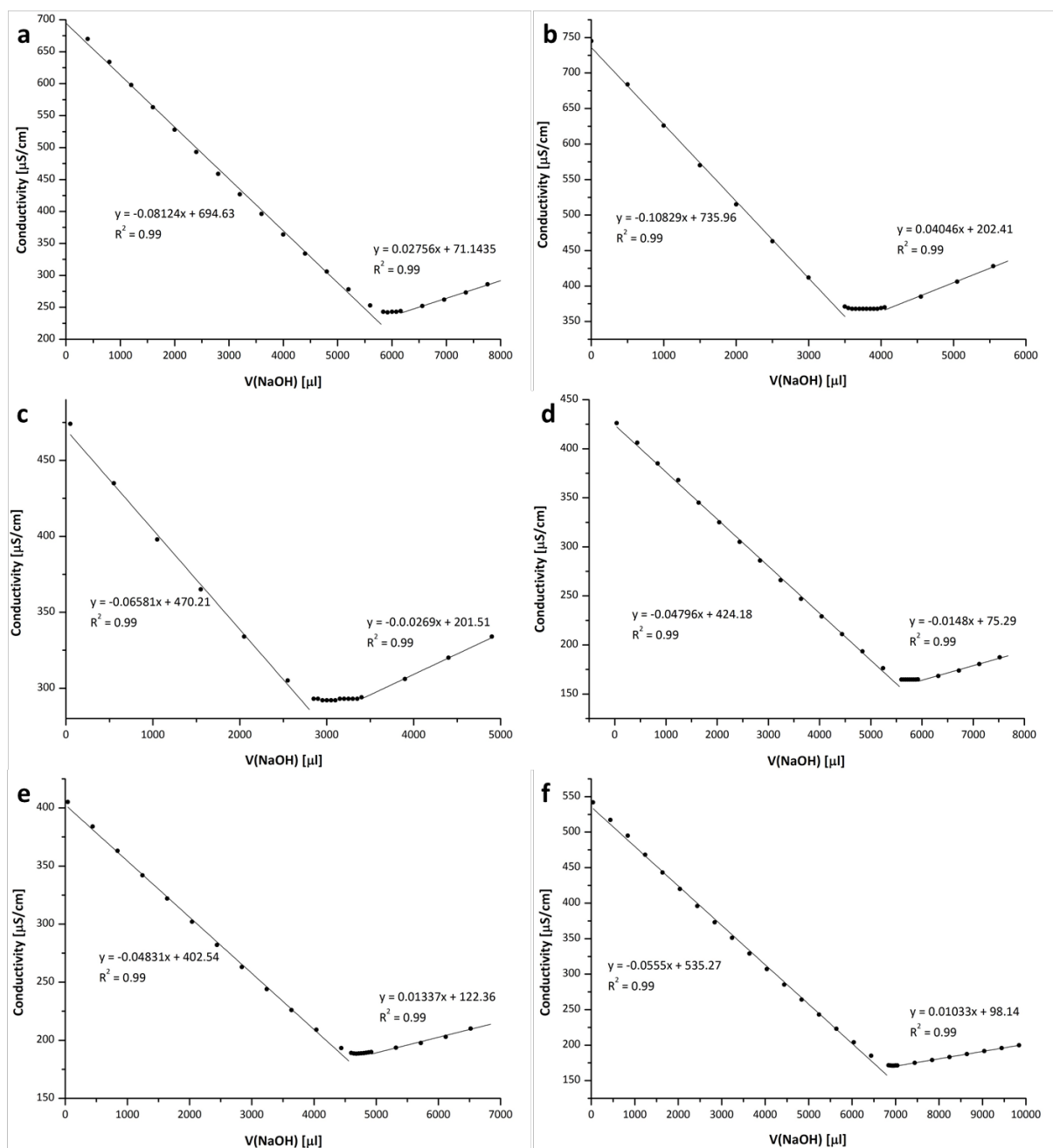


Figure S5. Conductometric titration curves of b-CNCs hydrolysed for a) 30 min, b) 60 min, c) 90 min, d) 120 min, e) 180 min, f) 240 min.

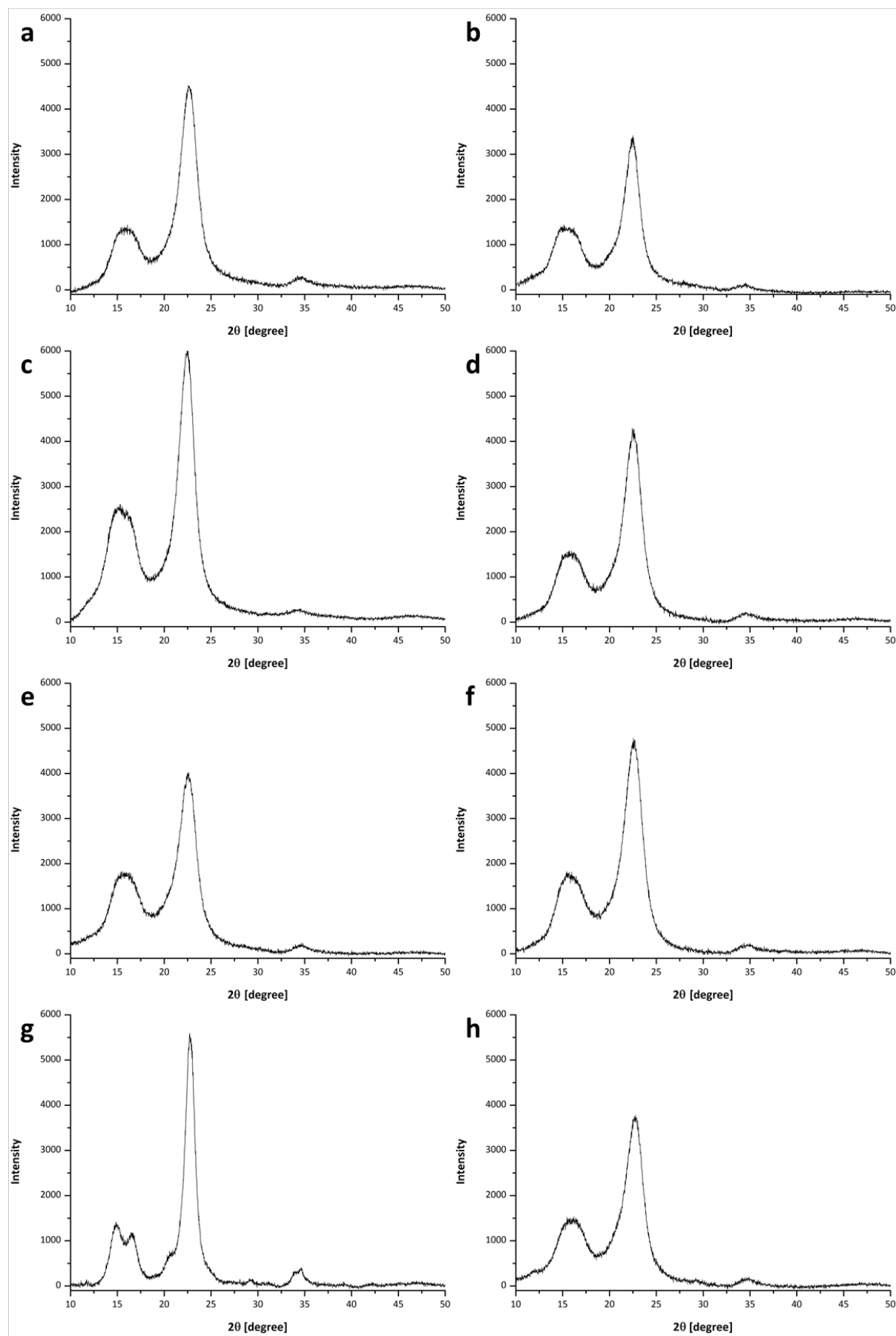


Figure S6. XRD-patterns of b-CNCs hydrolyzed for a) 30min, b) 60 min, c) 90 min, d) 120 min, e) 180 min and f) 240 min. Figure S5 g) is a representative XRD-pattern for c-CNCs and h). unhydrolyzed banana pulp.