

Supporting Information

Acetylation of Scaled-down Chitin Nanofiber Films to Improve Mechanical Properties

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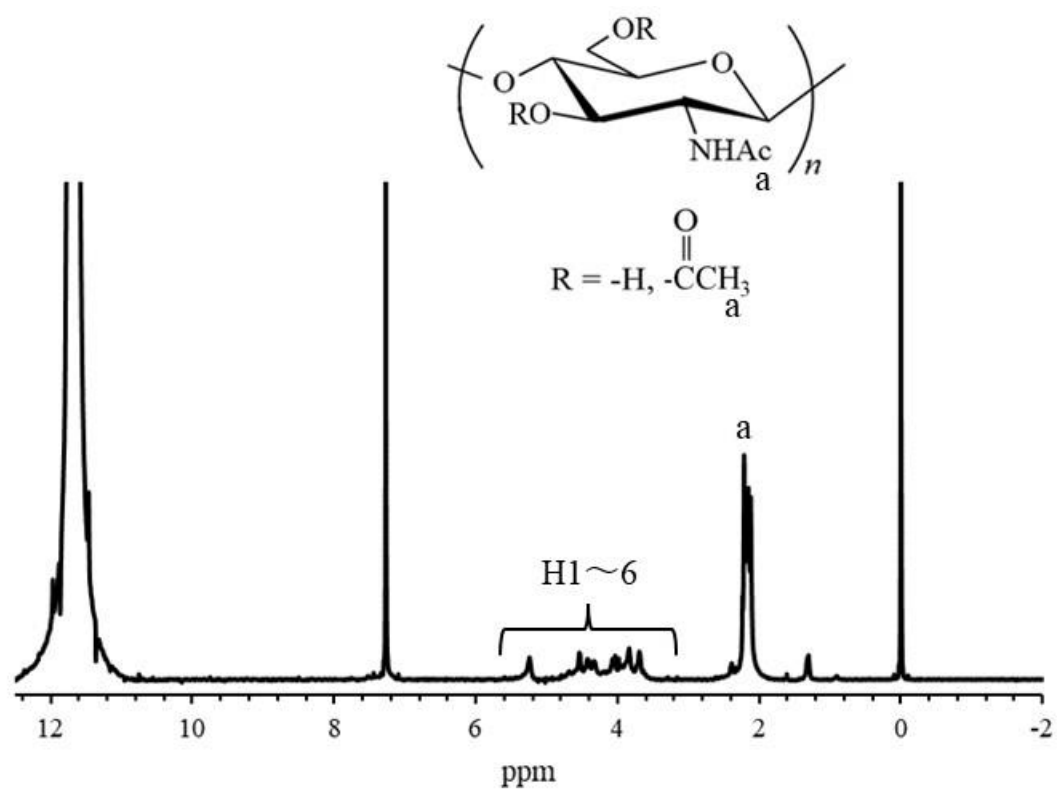


Figure S1 ^1H NMR spectrum of sample by acidic hydrolysis and dissolution of chitin acetate, prepared using acetic anhydride in 1-allyl-3-methylimidazolium bromide (AMIMBr), in $\text{DCI}/\text{D}_2\text{O}$.

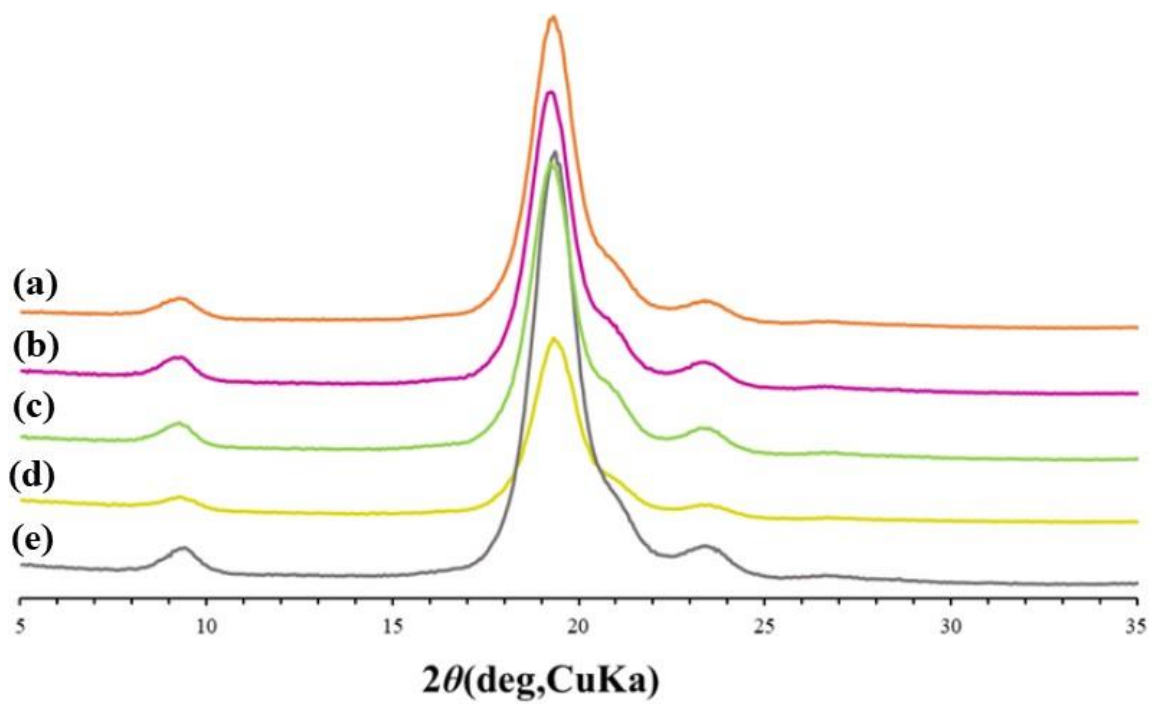


Figure S2 XRD profiles of (a-d) acetylated SD-ChNF films of entries 1-4 and (e) SD-ChNF film.