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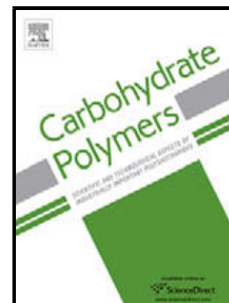
Title: NaOH treatment of Chitosan films: Impact on macromolecular structure and film properties

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1 HIGHLIGHTS

2 The significance of treatment with NaOH on Chitosan film structure was studied.

3 3 effects were identified deprotonation, phosphate extraction and deacetylation.

4 Hydrated and anhydrous polymorphs were present in the CH-NaOH films.

5 Films with a more compact and disordered structure were obtained.

6

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