

Boric acid induced transient cross-links in lactose-modified chitosan (Chitlac)

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Supporting Information

Figure 1S

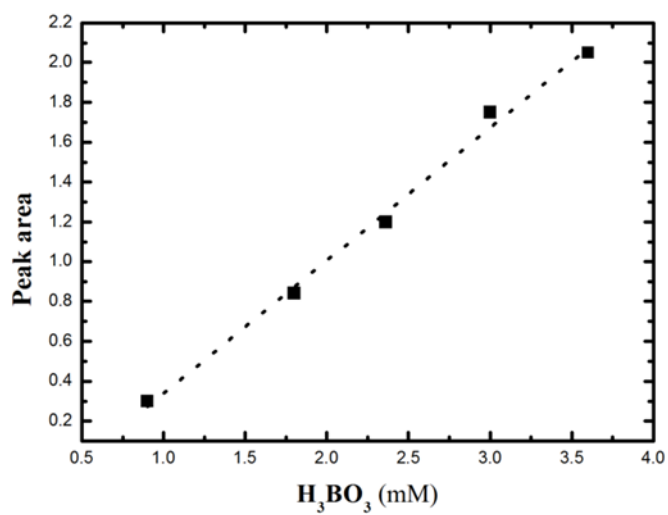


Figure S1. Calibration curve between the peak area (18.5 – 20 ppm) and the concentration of H_3BO_3 to determine the amount of free borate ions.

Figure S2

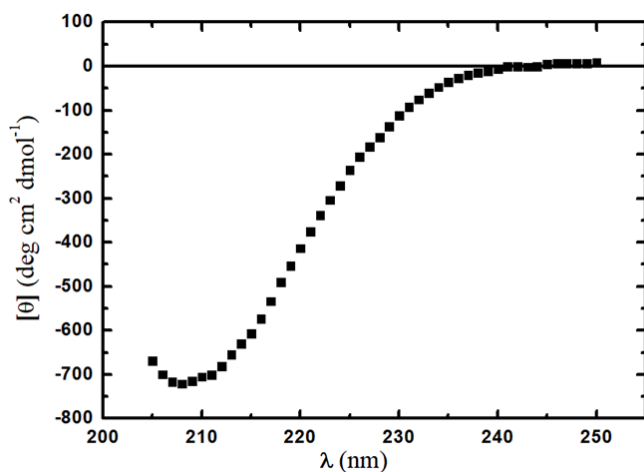


Figure S2. CD spectrum of Chitlac in PBS where NaCl was replaced by NaClO₄.

Figure S3

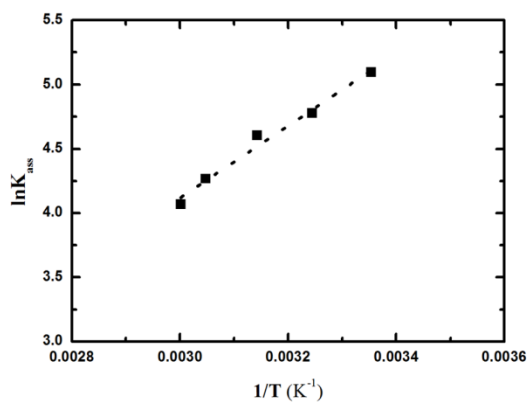


Figure S3. (■) Dependence of the association constant (K_{ass}) from the inverse of the temperature for the boric acid treated chitlac as determined by means of ^{11}B -NMR. Dotted line represents the linear best-fit of the experimental datapoints ($R^2 = 0.98$). Conditions: PBS, pH 7.4.