

Supporting Information

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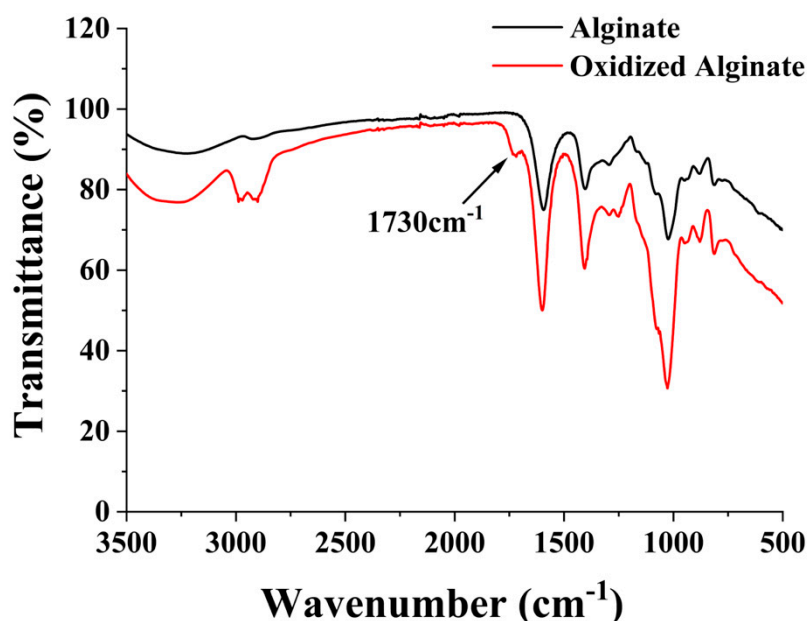


Figure S1: FTIR spectra of both oxidized and untreated alginate are shown. The arrow points to the 1730 cm⁻¹ region, which corresponds to the C=O bond stretching in the aldehyde group, signifying the successful synthesis of oxidized alginate.