

The study of thermal transitions in polysaccharides according to the data of nuclear magnetic relaxation

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Abstract

Pulsing NMR method in the analysis of the temperature dependences of the spin-spin and spin-lattice relaxation time in the range of 20-280 °C we studied temperature transitions in cellulose of different origin, chitosan and hemicellulose. The temperature of initial stage of glass transition in dried polysaccharides was also calculated.