

Study of the structure, hydrophilic and relaxation properties of hemicellulose fraction of industrial cellulose types

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Abstract

Comparative investigations of the structure and sorption properties of different industrial cellulose types were carried out. Basic mechanisms and interaction principles of easy- and difficult-to-hydrolysable hemicellulose fractions and water steam were discovered. Correlation between NMR-spectroscopy data and data of sorption techniques was represented.