



P-5-497

PREPARATION OF MEMBRANES FROM CELLULOSE OF SUGARCANE BAGASSE

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Membranes used today on a large scale in various separation processes are very different in terms of their structure and their separation properties as well as in the way they function. Membranes can consist of a porous structure or a dense layer, it can be solid made from polymer, ceramic or liquids. In this work, cellulose obtaneid from sugarcane bagasse was used for producing asymmetric membranes. Membranas was procedure used a mixture of reagent of DMAc/ LiCl systemic in differents conditions. Cellulose were characterized by thermogravimetric (TG), X-ray diffraction (XRD) and scanning Electron Microscopy (SEM). All membranes procedure were asymmetric, characterized by presence of a dense skin and porous support can be observed. SEM showed that the morphology of the superficial of membranes depends on the preparation method.