

USE OF PERENNIAL PLANTS AS A RAW MATERIAL IN THE PAPER INDUSTRY

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ABSTRACT

In this paper, the process of obtaining semi-finished products for the paper industry from the fibrous waste of the medicinal plant Amaranta is studied. The study examined the possibility of obtaining alkaline cellulose from amaranth plant waste. The effects of boiling, bleaching and neutralization of cellulose on its quality were studied. It was found that the increase in the concentration of alkali in the boiling solution adversely affected the yield of cellulose. The effect of the concentration of caustic soda in the boiling solution on the quality of cellulose was studied.

KEYWORDS: *Amaranth Medicinal Plant, Paper Industry, Paper, Secondary Fiber Waste, Cellulose, Alkali, Bleaching And Neutralization.*

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