STUDIES ON HIBISCUS CANNABINUS, HIB SABDARIFFA, AND CANNABINUS SATIVA F SUBSTITUTE FOR SOFTWOOD PULP- PART NSSC-AQ DELIGNIFICATION PROCESSES

Dharm Dutt, J. S. Upadhyaya, C. H. Tyagi

Abstract

Hibiscus cannabinus, Cannabis sativa, and Hibiscus sabdariffa, fast gro could provide fiber necessary to partially alleviate the world's fiber def at producing high yield pulp and the best mechanical strength properti environment by SAS-AQ, and NSSC-AQ pulping processes. A total alka ratio of 0.80, and a Na2SO3 charge 11.70% (as Na2O) were found opt kappa number. A lower kappa number and good strength properties w total alkali and Na2SO3 charge. SAS-AQ pulps showed good response NSSC-AQ pulping was conducted at a total alkali charge of 8% (as Na2 sulphite-to-carbonate (100:0-0:100), and cooking time (60-120 min) a