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Oil extraction from macauba pulp using compressed propane

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ABSTRACT

In this study, the extraction of macauba pulp oil (MPO) using compressed propane as a solvent was investigated, and compared with conventional (Soxhlet) extraction. Extractions with propane were carried out in order to investigate the effects of temperature (333-373 K) and pressure (4-12 MPa) on the oil yield and the chemical composition of the products. The effects of temperature and pressure on the yield were negative and positive, respectively, with a maximum yield of 23.08 wt% being obtained at 333 K and 12 MPa. The use of propane

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