



Actividad del PH de la solución de ácido orgánico en la obtención de chipas del látex del caucho (*Hevea brasiliensis*) en la parroquia Patricia Pilar- EcuadorPDFHTML [

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text (article)

Analítica

The present research (pH ACTIVITY OF ORGANIC ACID SOLUTION IN OBTAINING SPARKS RUBBER LATEX (*Heveabrasiliensis*) PATRICIA PILAR COUNTY) was performed taking into account the considerable consumption of formic acid coagulation of rubber latex, which is a pollutant for human beings and the environment, replacing the formic acid with citric acid extracted from lemons that are available to producers and heveicultores. This paper proposed a completely randomized design in factorial arrangement AxB (2x2) with 4 replicates per treatment being the factor A: a1, a2 pH 2.1 y; pH2.6 and factor B: b1; 8% y b2; 12 %. In this research we want to know the influence of pH and the percentage of citric acid in the coagulation of rubber latex through rheological analysis as plasticity, plasticity retention index and viscosity. To evaluate the study factors and their respective levels a multiple range test was executed Tukey 5%. Noting that the treatment with a higher content of plasticity, PRI (Plasticity Retention Index) and viscosity is treatment 2 in the pH level, a percentage of 2.1 using 12% solution. The resulting plasticity of 41.45 and 68.58% of PRI and 100.65 of viscosity. This research was conducted in "Finca Tres Hermanos" located in the 6 ½ km via "El Moral" in the Patricia Pilar County. The experimental responses of the rheological analyzes were performed on the Erco Continental through the Agicom Company, who are dedicated to promoting the cultivation of rubber

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