

Immobilization of lipase catalyze transesterification of soy-bean oil

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The use of lipase has been limited due to their considerably unstable nature and the resulting requirement of stringent conditions, such as a particular pH and temperature. But, immobilized lipase typically exhibit greater stability and enzyme activity over a broader range of pH and temperature. This study is to immobilize lipase using various polymers in the form of beads. The purpose of this experiment is to study the effect of the polymer type and concentration on enzyme loading, leaching and activity.