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(57) Abstract :

ABSTRACT AN IMPROVED PROCESS FOR PREPARATION OF BIODIESEL • The present invention provides an improved process for preparation of biodiesel by using transesterification process with high efficiency, eco-friendly, and high yield and cost effective. The composition for preparation of biodiesel using transesterification process comprises: a Waste cooking oil (WCO), a Non- edible oil seed feedstock, a Catalyst (C), a Microwave and ultrasound irradiation (MW-US), a Low-carbon alcohol (S). The process consumes lesser amount of catalyst thereby purification of biodiesel through washing is not required and the processing time is reduced hence consumed less time.

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