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A METHOD FOR REMOVING GLYCEROL FROM BIODESEL



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TECHNOLOGY READINESS LEVEL (TRL)

- TRL 3

PATENT/ GRANTED NUMBER

- MY-181781-A

▶ TECHNOLOGY OVERVIEW

The present invention relates to a method for removing glycerol from biodiesel, characterized by the steps of mixing phosphonium based salt and a hydrogen bond donor which is selected from a group consisting of glycerol, ethylene glycol, triethylene glycol or any combination thereof to form a deep eutectic solvent; wherein the phosphonium based salt and the hydrogen bond donor is in a molar ratio of 1 :2 to 1 :5; mixing the biodiesel with the deep eutectic solvent, wherein the deep eutectic solvent and the biodiesel is

in a molar ratio of 0.75:1 to 3:1; settling the mixture to separate the biodiesel from the deep eutectic solvent; and collecting the biodiesel.

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