

عنوان مقاله:

Synthesis and Characterization of New Demulsifier from Natural Polymer

محل انتشار:

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خلاصه مقاله:

In this study, demulsifiers were prepared from Basra crude oil and water emulsions. This research included the preparation of new emulsifiers from natural polymers by forming a new flange base of chitosan with glyoxal. The prepared compounds were investigated using infrared spectroscopy and nuclear magnetic resonance spectroscopy as well as studied in terms of thermal stability using differential calorimetry technique. The prepared emulsifier was compared with a commercial emulsifier EC۱۱۳۴A, and it was shown that the prepared emulsifier is more efficient than the commercial emulsifier.

کلمات کلیدی:

demulsetifier, Chitosan, glyoxal

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