PHYSICOCHEMICAL PROPERTIES OF JAMMUN SEED OIL

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ABSTRACT

In search of an alternative solution to the increasing in the demand of fuel and its depleting stock across the world, the continuous experiments on bio-oil with property measurement were conducted, analysed and compared in this study. The properties of Jamun seed oil of biodiesel were investigated. These seed oils are rich of conjugated fatty acids and variety of applications in food industry. Jammun seed oil is Biofuel, renewable and biodegradable and having similar properties to petro-diesel fuel. The study also revealed the oil properties compared to diesel. The physicochemical and physical parameters of the seed oil are analysed and the properties of seed oils are compared. The paper summarizes various oil properties like pH value, Flash point, fire point, redwood viscosity, calorific value, carbon residue, cloud point, pour point, boiling point, aliphatic/aromatic compounds and hydrocarbons like Prelate and AlCl₃ tests

KEYWORDS: Bio-Oil, Oil Properties, Comparison with Diesel, Physicochemical Properties & Jammun Seed Oils

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