

Lignin liquefaction in supercritical ethanol

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Nowadays, according to energy demand and pollution of environment are increase, bio fuel demand is increase. Bio fuel commonly come from edible source like corn and sugar cane that have competition with food source. So, we need other source to make bio fuel. Lignin can one source of bio fuel. Lignin is made from lignocellulose as by-product during pulping process or bio ethanol process. Now, lignin just burn for energy source of that process. But, lignin as a nature source of aromatic, lignin can convert to transport fuel and valuable chemical to substitute petroleum base industry. In this experiment, we try liquefaction of lignin to make bio-fuel and valuable chemical using supercritical alcohol.