

Esterification of Acid with Alcohols using Al-substituted SBA-16

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Al-SBA-16 molecular sieves were synthesized with five ratios of Al/Si: 1%, 2%, 3%, 4%, and 5% under microwave condition. Al-SBA-16 characters were confirmed by transmission electron microscopy (TEM), XRD, BET, and FTIR. The acidity of the Al-SBA-16 was researched through the esterification of acid and alcohol under microwave condition.