

Preparation and Characterization of Porous Boehmite particles and Pt/ γ -alumina

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Hydrogenation reaction is utilized in various process from series catalyst process that is large scale of refined oil industry until small scale batch process of pharmacy and fine chemical industry. Catalyst that consist of active material is bad mechanical strength or thermal stability and costly because of novel metals. Make catalyst dispersed active materials in suitable support to overcome this shortcoming.

In this paper preparation differential characterized support to search relation of support and metal particle size, progressed research to impregnated the platinum particle that have nano-sized narrow distribution. After control size of platinum particle, evaluated activity as catalyst as that achieve hydrogenation reaction of 1-hexene.