

Abstract

A hydrogenation catalyst, composed of a nickel-containing main active component, an auxiliary agent, and a carrier. The metal dispersity of nickel is greater than 10%; the auxiliary agent is a group IIA metal, a group IB metal, a group IIB metal, a group VIB metal, a group VIII metal, and a
5 group IIIB metal; and the carrier comprises aluminum oxide, silicon oxide, titanium oxide, cerium oxide, etc. The hydrogenation catalyst is high in nickel content and highly dispersed, such that the hydrogenation activity and stability are improved.

(Figure 1)