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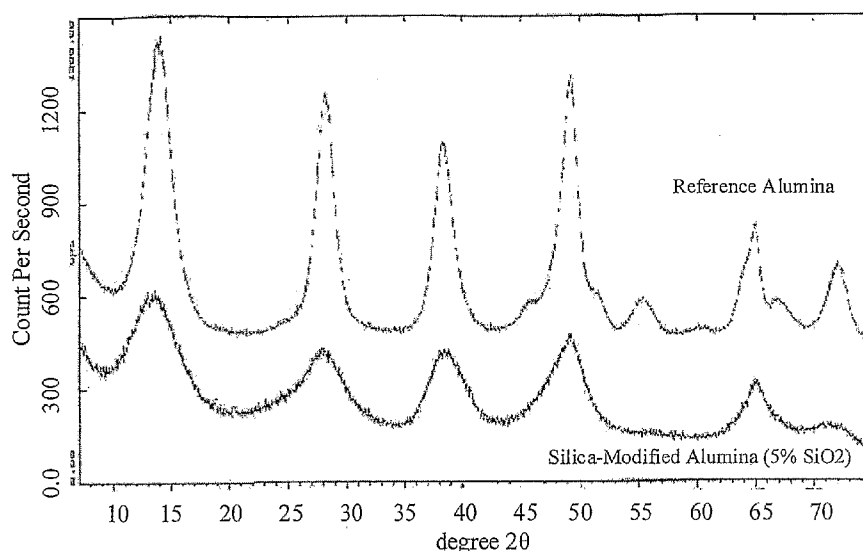
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(54) Title: HOMOGENEOUS MODIFIED-ALUMINA FISCHER-TROPSCH CATALYST SUPPORTS

XRD of Alumina and Silica-Modified Alumina Support



(57) Abstract: A homogeneous, amorphous catalyst support comprising a modifying-metal-oxide and a base-metal oxide, the catalyst support having a Surface to Bulk modifying-metal /base-metal atomic ratio of from about 0.6 to about 1.3 and exhibiting an X-ray diffraction having broader line width and lower intensity than is exhibited by the base-metal oxide is disclosed. More specifically, a homogeneous, amorphous silica-modified-alumina catalyst support useful in the Fischer-Tropsch process is disclosed. A silica-modified-alumina catalyst support of the present invention maintains the desirable properties of alumina and exhibits higher resistance to acid than unmodified alumina.

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