Short Communication

Comparative Study of Catalytic Activity of Ferrites and Commercial Fe-Mo Catalyst

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ABSTRACT
The comparison of catalytic activity of ferrites with that of commercial Fe-Mo catalyst (New and Re-palletized) has been studied at different temperatures and timings using hydrogen peroxide which undergoes decomposition. It has been observed that at low temperatures there is a difference in activities of catalysts but as we increase the temperature the difference in the activities between new and re-palletized catalyst decreases to a large extent. The order of Catalytic activity at 343 K is New Catalyst > Re-palletized Catalyst > Ferrite Catalyst.

Keywords: Spinel ferrites, Ferro-Molybdenum Catalyst, Catalytic studies, H₂O₂ Decomposition.