

PHASE FRACTION OF BASE METAL OXIDES FOR ADSORBER CATALYSTS

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Commercial viability of adsorber catalysts is dependent upon the understanding and control of sulfur poisoning. Base metal oxides are major components in current SO_x and NO_x adsorbers. These compounds are combined and calcined under high temperature to form catalysts. The qualitative and quantitative characterization of these phases is a critical step in defining the efficiency of the catalyst. In this study, the phase identification and volume fraction of a series of these powders were examined using XRD as a function of processing temperature.

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