ABSTRACT

The purpose of this study was to study the factors affecting precipitation in a chemical reaction. Factors such as hydrogen ion concentration, temperature and concentration of each of the reacting species were studied. The reagents used were anhydrous sodium carbonate and aluminum sulfate of technical grade. Aluminum hydroxide was precipitated under different conditions. The effect of the various factors was studied as measured by the rate of filtration and sedimentation. The rate was found to increase with increasing concentration, and decrease with increasing pH. Increase of temperature at first, decreased the rate, which then increased as temperature was further increased.

THE EXPERIMENTAL STUDY OF FACTORS AFFECTING PRECIPITATION IN A CHEMICAL REACTION

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by

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