

## عنوان مقاله:

The Analysis of Bismuth Effects on Reaction of Pyrogallol Red, Hydrogen Peroxide and Sulfuric Acid

## محل انتشار:

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## خلاصه مقاله:

By utilizing spectrophotometry, the present study analyzes the effects of bismuth ion on the reaction of pyrogallol red, hydrogen peroxide and sulfuric acid. In this method, based on the previous experimental samples, the pre-defined concentrations of materials are used. These materials included bismuth 100 ppm, sulfuric acid 1 M, hydrogen peroxide 1 M and pyrogallol red 4 M. Based on the results, the effect of ion is catalyzing in some cases and inhibitive in others. After all, the optimal points of each reaction in different and optimal temperatures are examined.

## کلمات کلیدی:

bismuth, pyrogallol red, hydrogen peroxide, sulfuric acid

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/405016>

