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
Alteration of Three Turkish Bentonites by Treatment with Na_2CO_3 and H_2SO_4

of

N. YILDIZ, A. ÇALIMLI

Chemistry

Ankara University, Faculty, of Engineering, Department of Chemical Engineering,
06100, Tandoğan, Ankara-TURKEY

 [Keywords](#)
 [Authors](#)

Abstract: In this study, fine fractions of bentonites from the Çankırı and Kütahya regions were treated with Na_2CO_3 and H_2SO_4 . The resulting materials were analysed by X-ray diffraction (XRD), thermogravimetric and differential thermal analyses (TGA, DTA) and infrared (IR) spectroscopy. Surface areas of the samples were also measured. The results showed that structural changes were observed by treatment with Na_2CO_3 and H_2SO_4 . These changes showed differences depending on exchangeable cations, clay type and the ratio of additives.

Key Words: Bentonite, soda activation, acid activation.



chem@tubitak.gov.tr

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