

ÖZET

KARBOKSİLLİ DİAMİNOETİL BAĞLI PVC NİN BAZI GEÇİŞ METALLERİYLE KOMPLEKSLERİNİN SENTEZİ

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Poli(vinil klorür) (PVC)' nin etilendiamin ve bromoasetik asit ile modifiyesiyle karboksillidiaminoetil bağlı PVC ligandı sentezlenmiş ve bu ligandın Co(II), Ni(II), Cu(II) metalleri ile yapmış olduğu kompleksler sentezlenmiştir. Bu komplekslerin yapılan Magnetik susseptibilite, elemental ve İR spektral analiz teknikleri ile tayin edilmeye çalışılmıştır. Anahtar sözcükler: Etüendiamin, nikel(II), kobalt(II), bakır(II), kompleks, PVC in

SUMMARY

SYNTHESIS OF SOME TRANSITION METAL COMPLEXES OF POLY(VINYL CHLORIDE) BOUND CARBOXYLATED DİAMİNOETHYL

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Poly(vinyl chloride)(PVC) has been modified with diaminoethane, bromoacetic acid as PVC-CDAE, which has been characterized by spectroscopic and elemental analyses. PVC-CDAE has further been reacted with alcoholic solutions of Co(II), Ni(II), and Cu(II) to form the intensely colored PVC-CDAE-M(II) complexes. The structures of these complexes have been analyzed by elemental, Magnetic Susceptibility and IR spectral analyses. Key words: Ethylenediamine, PVC, nickel(II), copper(II), cobalt(II), complexes