

Study of the Adsorption of Metal Ions Ag^+ Mg^{2+} , Ni^{2+} by the Chemical and Electrochemical Polydibenzoether Crown

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Abstract : This work concerns the study of the adsorption of metal ions Ag^+ , Mg^{2+} , and Ni^{2+} in aqueous medium by polydibenzoether-CROWN based on three factors: Temperature, time and concentration. The polydibenzoether crown was synthesized by two means: Chemical and electrochemical. The behavior of the two polymers has been different, and turns out very interesting for chemical polydibenzoether crown has identified conditions. Chemical and electrochemical polydibenzoether crown have different extraction screw vi property of adsorption of ions différents, this study also shows that polymères doped may have an advantageous electrical conductivity.

Keywords : polymerization, electrochemical, conductivity, complexing metal ions

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