

The influence of asparagine on electrokinetic and adsorption properties of the iron(III) and nickel(II) oxides

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Keywords: asparagine, electrokinetic properties microelectrophoresis, isoelectric point, the adsorption of oxides, iron(III) and nickel(II).

Abstract

Electrosurface properties of NiO and Fe₂O₃ oxides have been investigated in water solutions of asparagine depending on its concentration, pH of solutions and time of adsorption. It has been found that asparagine is specifically adsorbed on the surface of Fe₂O₃ and NiO. It has been demonstrated that the adsorption of anionic forms asparagine at Fe₂O₃ and cationic forms at NiO predominates.