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## Sorption of iron(III) on synthetic cation exchangers in aqueous solutions

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### Abstract

The processes of sorption of iron(III) from aqueous solutions of chloride salts in weakly acidic cation exchanger KB-4 and strongly acidic cation exchangers KU-1, KU-2, KU-2-8 have been studied. We have carried out the research into the kinetics of sorption, determined the temperature dependences, calculated the activation energy of sorption processes. The constants of adsorption of ions  $\text{Fe}^{3+}$ , Gibbs energies of sorption processes were defined.