

Complicated equilibria in the Pb(II)-H₂O-OH-system

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Abstract

The regions of existence of various lead(II)-containing compounds both in solutions and as precipitates were studied over a wide range of the pH values of aqueous solutions at temperatures from 20 to 65°C. The data obtained were used for the development of a model of equilibria in metal ion-water-ligand systems, which provides a better understanding of the phenomena observed in this work and described in the literature, and also makes it possible to calculate the equilibrium constants without significant systematic errors.
