

Heteronuclear compounds formed in the systems based on Fe(II), Fe(III), Al(III), SO₄²⁻, Cl⁻-H₂O-OH⁻, and NH₃

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Abstract

The possibility of synthesizing heteronuclear compounds in the systems based on Fe(II), Fe(III), Al(III), SO₄²⁻, Cl⁻-H₂O-OH⁻, and NH₃ was studied. A mathematical model based on data on the potentiometric titration was developed. The elemental and phase composition and the structure of the compounds synthesized were determined by the XPA, DTA and NMR methods to optimize the conditions of the synthesis. © 2010 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1070427210040038>
