

Macromolecular Al(III) complexes with poly(acrylamide) and products of its alkaline hydrolysis

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Abstract

The complexation of Al(III) with poly(acrylamide) and its derivatives containing carboxy groups is investigated by pH metry and viscosimetry using computer modeling. The formation of complexes of M:L = 1:1 composition and of different stability is found to be possible in a weakly acidic medium; in neutral and alkaline media, complexes of M:L = 2:2 composition may form with participation of the binuclear Al(III) hydroxo complexes. © 1996 MAEe Cyrillic signK Hayka/Interperiodica Publishing.
