

Gallium(III) Citrato Complexes in Solution

Vinogradov A., Raskovalkina T., Tarasov O., Glebov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The complexing gallium(III) with citric acid at pH from 2 to 10 and the gallium(III) and citric acid concentrations from 0.005 to 0.025 mol/l is studied by using pH titration. The stability constants of 1 : 1 complexes of various degrees of protonation formed in the system are found by mathematical modeling.
