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The acid-base properties and the complexation of tributyl [aminotris(methylenephosphonic acid)] in aqueous solution

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Abstract

© 2016 Taylor & Francis Group, LLC. The acid-base and complexing properties of tributyl [aminotris(methylenephosphonic acid)] (H₃L) with divalent metals were investigated in aqueous solution via the potentiometric titration method. The formation of 1:1 species partially protonated [MH₂L] and totally deprotonated [ML⁻] as well as hydroxo species [M(OH)L₂⁻] has been established.

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Keywords

Acid-base properties, aminophosphonates, complexation, stability constants