Cupric ion binding by dihydroxybenzoic acids.

Autorzy

T. Kiss

Henryk Kozłowski

Giovanni Micera

L. S. Erre

Rok wydania

1989

Czasopismo

Polyhedron

Numer woluminu

8

Strony

647-651

DOI

10.1016/S0277-5387(00)83827-9

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

A potentiometric and spectroscopic study has been carried out on the copper(II) complexes formed by 2,*x*-dihydroxybenzoic acids (*x* = 4, 5 or 6) in aqueous solution. It has been found that, in the low pH range, the ligands coordinate through the carboxylate group. At above pH 5 the major species are chelated complexes in which one or two ligands bind the metal ion through the carboxylate and adjacent phenolate groups. The results are compared to earlier literature data available for copper(II) dihydroxybenzoate and salicylate complexes.

Adres publiczny

https://doi.org/10.1016/S0277-5387(00)83827-9

Strona internetowa wydawcy

http://www.elsevier.com