

Reduction mechanisms of Ni(II) complexes with diamino acids and histidine on a dropping mercury electrode.

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Streszczenie

Reduction of Ni(II) ions in the presence of potentially terdentate diamino acids (2,3-diaminopropionic acid, 2,4-diaminobutyric acid, histidine) was studied polarographically. The complex species reduced on a mercury electrode and their electrochemical parameters were determined. Electrochemical behaviour of the particular species strongly depends on the donor set bound to the metal ion. Evaluated stability constants show that the studied systems have different thermodynamic stabilities even for the same donor system involved when chelate rings differ in size.

Słowa kluczowe

Ni(II), S-diamino acids, Polarography, reduction mechanism

Adres publiczny

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