

## Interaction of niacin with copper ions.

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### Rok wydania

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### Czasopismo

Polyhedron

### Numer woluminu

60

### Strony

130-139

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### Kolekcja

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### Język

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### Typ publikacji

Artykuł

### Streszczenie

The interaction of copper(II) ions with nicotinic acid and nicotinamide in aqueous solutions was examined. Potentiometric and spectroscopic methods indicate formation of the MHL, ML and ML<sub>2</sub> species in Cu(II)–nicotinic acid system whereas in Cu(II)–nicotinamide system the ML and ML(OH) species have been identified. The polarographic measurements have shown the stepwise reduction of Cu(II) complexes on the mercury electrode through an intermediate state of Cu(I). The values of stability constants for Cu(I) and Cu(II)–nicotinate and nicotinamide complexes were determined. The coordination mode of nicotinic acid and nicotinamide to copper ions is discussed.

### Słowa kluczowe

copper complexes, Nicotinic acid, Nicotinamide, Stability constants, Electrode reduction mechanism

### Adres publiczny

<http://dx.doi.org/10.1016/j.poly.2013.05.023>

### Strona internetowa wydawcy

<http://www.elsevier.com>