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Cu

(II), Zn (II), Ni (II).

**ABSTRACT**

The aim of our study is the synthesis of a complexing sorbent based on carbamide, formalin, and diethyldithiocarbamic acid. The effect of temperature and molar ratio of the starting materials on the properties of the obtained chelate sorbent was investigated. The structure of the forming chelate sorbent was determined by IR spectroscopic method and the exchange capacity for Cu (II), Zn (II), Ni (II) ions was established.

**Keywords:** complexing sorbent, urea, formalin, diethyldithiocarbamic acid, IR- spectroscopy, synthesis reaction.