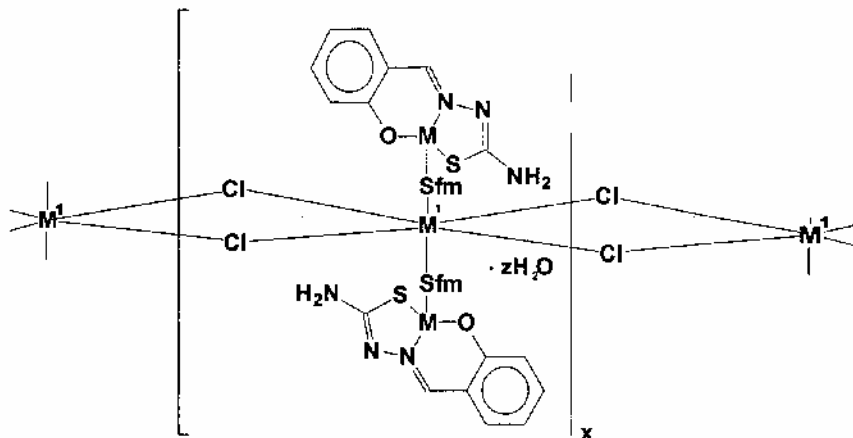
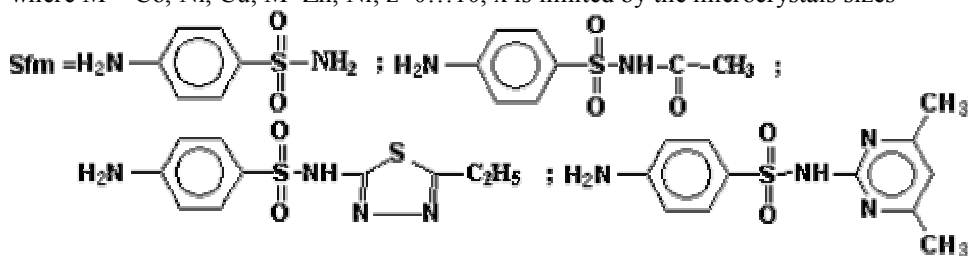


The invention relates to the chemistry of coordinative compounds of thiosemicarbazones of transition metals, namely to the heterometallic sulfanilamide-containing salicylidenthiosemicarbazidates, which may find their application in the electrical engineering as dielectric materials.

Summary of the invention consists in obtaining mononuclear zinc and nickel salicylidenthiosemicarbazidates proceeding from further heterometallic compounds of general formula:



where $M^1 = \text{Co, Ni, Cu}$; $M = \text{Zn, Ni}$; $z = 0 \dots 10$; x is limited by the microcrystals sizes



possessing specific resistance within the limits $7 \cdot 10^{14} \dots 5 \cdot 10^{15} \Omega \cdot \text{cm}$ at 293 K.

The result of the invention consists in the synthesis of the heterometallic coordinative compounds, having specific resistance 1,1...5,6 times higher than their analogue.

Claims: 3

Fig.: 1