

## Unusual heterobinuclear hexacyanoferrates(II), formed in organizing $\text{Co}_2[\text{Fe}(\text{CN})_6]$ - and $\text{Cu}_2[\text{Fe}(\text{CN})_6]$ -gelatine-immobilized matrix systems

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### Abstract

By means of ion exchange, proceeding under the contact of  $\text{Co}_2[\text{Fe}(\text{CN})_6]$ -gelatine-immobilized matrix with aqueous solution of  $\text{CuCl}_2$  and under the contact of  $\text{Cu}_2[\text{Fe}(\text{CN})_6]$ -gelatine-immobilized matrix with aqueous solution of  $\text{CoCl}_2$ , there has been carried out immobilization of unusual and unknown before heteronuclear hexacyanoferrates(II), containing in their lattice the ions of Co(II) and Cu(II). It has been shown that as a result of these processes there are formed two different (CoCu) heteronuclear hexacyanoferrates (II), having formulas  $\text{Co}_2\text{Cu}_{14}[\text{Fe}(\text{CN})_6]_8$  and  $\text{Cu}_{11}\text{Co}_5[\text{Fe}(\text{CN})_6]_8$  correspondingly.