

The process is for producing the solid solution of dry zinc-cobalt(II) monophosphates by means of heating of initial reagents and cooling. The hydrated phosphates of composition $\text{Zn}_{3-x}\text{Co}_x(\text{PO}_4)_2 \cdot 4\text{H}_2\text{O}$ ($0 < x \leq 1,00$) are used as feedstock, which are heated for 2.4-0.7 hours at a speed of 2.5-10.0 deg/min to a temperature of 360-400 °C and naturally cooled in the air.