

Influence of the thermal gradient factor in the absorption and emission processes on ceramic material used in the biosensors production

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Abstract

In the production process of ceramic biosensors based in ceramic material, the previous and important controls are temperature, pressure of having pressed, humidity and particle - size. This controls are made on raw samples by different methods in order to determining the electric properties like conductivity, permitivity, polarization and others, at the same time with: pressed degree, apparent density (AD) and mechanical resistance. In the following development a theoretical method is presented to calculate influence of the thermal gradient factor in structures (SiO₂ - BeO) - (Fe₂O₃)/(Al₂O₃) used in the biosensors technique.

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