

Название публикации:

Luminescent Method for Porcelain Identification

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Аннотация:

Porcelain identification according to the material type (hard, soft, and bone) was reduced to a system of classification functions that were constructed based on interrelationships of luminescence band intensities of optically active impurity centers (Fe^{3+} and Mn^{2+}), a molecular center (UO_2^{2+}), and intrinsic defects (O^* , oxygen center). Porcelains with different compositions and calcination conditions had different combinations and intensity ratios of bands of optically active centers. © 2018, Springer Science+Business Media, LLC, part of Springer Nature.

Ключевые слова:

Luminescence, luminescence spectrum luminophore optically active center porcelain