The grain size effect on X-ray fluorescence intensities

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The grain size effect on X-ray fluorescence intensities is observed when we analysed the atoms used by fluorescence X-ray. The theory of this effect was made by X-ray analysts. This theory shows that this effect is caused by the difference between the liner-absorption coefficient of the fluorescent compound. In this study we comfirm this effect using by the six samples of SiO2 and Fe2O3 mixture which are changed grain size but are not changed the concentration.