

Rubidium X-ray intensity enhancement by strontium

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Abstract: In this research work a rather new method was used to detect trace elements of small quantities. For this, X-ray intensity enhancement effect and standard samples of BAS Company were employed. In the standard sample a small amount of Rubidium was present, which by adding some quantities of SrCO_3 to the sample the XRF characteristic peaks of Rubidium were enhanced. This effect proved to be applicable for detecting trace elements.

Keywords: *Intensity Enhancement Effect, Chemical Element Detection, Rubidium, XRF.*