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Application of Energy Dispersive X-Ray Fluoresce Spectrometry For XLAB2000 The Analysis Elements

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This paper presents about Energy Dispersive X-Ray Fluoresce (EDXRF) Spectrometry, it is one of the most accurate economical chemical analytical technique, which can determine the proportional and identity of the major oxides of widely used for routine chemical analysis such: silicates, carbonates, sulphate, phosphates, rocks, cement, ceramic metallurgical samples, plastics, environmental and virtually any substance that can be adequately present to the x-ray Bearn. The analysis is rapid and non-destructive, but is generally impractical for determining elements lighter than fluorine. Major oxides analysis by XRF can be carried out on as little few grams of material. The sample material can be analyze as a pressed powder of fused into a glass disk using a suitable flux, such as lithium tetra borate. Using fused sample allows an evenly dispersed solid solution, which enables s wide range of matrix compositions to be accurately. Determined through the normalization of both particle size and inter – element (matrix) effects.

Index terms: X-Ray Fluoresce, chemical analytical, sample material.

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