

## **Source of Errors in Sample Preparation for XRF Analysis**

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In all industries, sample preparation is a key step to ensure that XRF analysis are truly effective. To be sure we achieve accurate and reliable XRF results that comply with the official standard test methods for analysis, it is essential that good quality samples are delivered to the spectrometer for measurement.

The sample preparation is one of the major sources of errors and it is important to check method repeatability and establish a control chart for regular control.

This presentation illustrates, thanks to practical examples, the major sources of analytical errors due to the sample preparation and more precisely during the material size reduction steps and the fusion procedure; and it also establishes the ways to avoid them.