

## **ANALYSIS OF IRON ORE USING X –RAY FLUORESCENCE SPECTROMETER**

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Iron ore analysis using XRF is of great interest for chemists. International Standards Organization has published a standard procedure for the analysis of iron ore. ISO method is very lengthy and involves the use of many empirical factors. This prompted us to develop a simple method for the analysis of iron ore. Fusion technique was used for bead preparation on samples after loss on ignition (LOI). All samples are subjected to one and the same analytical method involving sample preparation, XRF analysis and data evaluation, independent of the origin and mineralogical composition of the ore. Method validation was done using standard samples. The present method developed at R&D Centre, NMDC Ltd., is accurate, fast and uses few empirical factors.