

Discover the possibilities of XRF analysis and reduce your feedback time from hours to minutes by placing the benchtop XRF spectrometer next to your mine or processing plant.

Using 13 mineral standards in a "standard mineral matrix" and the Matlab(TM) NNLS function, the composition of unknown mineral has been determined rapidly and accurately using FTIR spectroscopy.

A comprehensive guide to mineral analysis spectrometers, detailing their use in geophysics for determining mineral compositions through spectroscopy techniques.

The measurement and study of responses in which a mineral absorbs, reflects, changes, or emits electromagnetic waves is called spectroscopy. Minerals can be investigated by many types of ...

While an introduction to the basic principles of Raman spectrometry is presented, the primary focus of this Guide is to present a practical level introduction to the method with emphasis on the use of ...

Mineral extraction and their processes have a huge impact on the environment, energy consumption and safety. With the ever-increasing demand for high grade mineral sources, there is a ...

Spectroscopic Methods in Mineralogy and Materials Sciences builds on the foundation presented by its predecessor, Reviews in Mineralogy Vol. 18, Spectroscopic Methods in Mineralogy and Geology, ...

This chapter offers a thorough analysis of the most recent spectroscopic techniques used in mineral characterization, such as advanced electron microscopy, nuclear magnetic resonance ...

This chapter presents recent findings and their practical applications, highlighting the transformative potential of advanced spectroscopic techniques in promoting innovation in mineral ...

Mineral analysis involves determining the chemical relationships between and within mineral grains. Microanalytical techniques are essential, and methods include X-ray spectrometry and mass ...

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