

British Crystallographic Society – Spring Meeting

XRF - Environmental issues

Speaker: Dr Rosalind Schwarz
Company: Oxford Instruments Analytical
Presentation Title: Micro-spot XRF in RoHS compliance testing : performance and pitfalls compliance

Abstract Summary:

EDXRF is a powerful tool for the determination of Pb, Cd, Hg, Cr (VI) (as total Cr) and Br-containing compounds (as total Br), controlled by the EU directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS). The testing for RoHS compliance applies to a wide variety of components and materials, and presents a real analytical challenge, for which micro-spot XRF has many advantages and, inevitably, a few snags. This talk will illustrate the performance that can be achieved when the pitfalls are successfully overcome.