

Analytical X-rays RoHS XRF Service

Specialising in XRF testing products for conformity to the RoHS Directive

What is RoHS?

The RoHS European Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

The RoHS Directive and the UK RoHS regulations came into force on 1 July 2006.

Producers must be able to demonstrate compliance by submitting technical or other information to the enforcing authority on request. They must retain such documentation for four years after the electrical and electronic equipment (EEE) is placed on the market.

What can we do for you?

Analytical X-rays Ltd provides an expert cost-effective XRF analysis service, through advanced X-ray technology designed specifically for RoHS applications.

XRF is the screening method preferred by the International Electrotechnical Commission (IEC), for RoHS applications.

Our XRF RoHS analysis service uses special equipment with a powerful X-ray tube, a high resolution detector, and an integrated CCD camera for a fast, quantitative analysis. Our experienced personnel can measure levels of restricted substances to below the threshold levels, and we report Pass/Fail status using IEC TC111 guidelines.

Who does it affect?

Manufacturers, sellers, distributors and recyclers of electrical and electronic equipment (EEE) containing:

- lead
- mercury
- cadmium
- hexavalent chromium
- polybrominated biphenyls (PBBs)
- polybrominated diphenyl ethers (PBDEs).

In order to put products on the market in the EU, manufacturers need to understand the requirements of the RoHS Directive and to ensure that their products and product components comply with the requirements of the Regulations.

This is where we come in ...

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