

Spectrometer RoHS Mode



Overview

The RoHS Spectrometer uses a high resolution detector, an integrated camera, and a powerful X-ray tube with variable spot sizes to accommodate samples of various sizes and to measure the existence of extremely low levels of restricted substances. With the SPECTRO XEPOS, and SPECTRO MIDEX X-ray fluorescence (XRF) spectrometers and the SPECTRO GENESIS, SPECTROBLUE and SPECTRO ARCOS ICP-OES spectrometers, SPECTRO offers efficient solutions for the analytical requirements for the determination of regulated substances in electrical and. The European Union's initial Restriction of Hazardous Substances (RoHS) Directive (2002/95/EC) was instituted with the aim of limiting pollution caused by electrical and electronic equipment. It prohibits manufacturers from using materials, parts, and subassemblies that contain more than 1000 ppm. Our range of analyzers for hazardous substance detection are designed to meet current directives such as RoHS, WEEE, ELV, EN71 and halogen-free, and have the flexibility to adapt to new directives as legislation evolves. Reliable screening results, coupled with ease of use and durability, ensure. XRF analyzers are used to determine the elemental makeup of tested materials, making them ideal for screening hazardous materials within electronics. ROHS-QUANT is developed exclusively for the Bruker AXS spectrometer. Among these techniques, Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) is one of the most effective tools for analyzing elements in plastics in accordance with RoHS regulations. 5 This application note describes a RoHS-compliant testing method for the multi-elemental analysis of.

Article Content

Apr 03, 2026

RoHS Compliance Testing: A Comprehensive Guide

RoHS stands for Restriction of Hazardous Substances. RoHS compliance testing is a standard procedure used to verify that manufactured products meet compliance requirements aimed at

Jun 11, 2026

Enhanced RoHS Compliance Testing with Agilent 5800 ICP-OES

The 5800 ICP-OES demonstrated outstanding sensitivity, accuracy, and stability, making it a reliable solution for EEE manufacturers required to comply with RoHS or equivalent testing standards.

Jan 09, 2026

Skyray Edx1800b RoHS Testing Machine RoHS

Instrument introduction EDX1800B the most popular model for RoHS and Halogen free testing instrument; it used the USA Spellman HV and High power Copper

Apr 13, 2026

RoHS Testing Methods Overview | PDF | Fourier Transform ...

RoHS_ Test Methods - Free download as PDF File (.pdf), Text File (.txt) or view presentation slides online. The document summarizes analytical testing techniques for RoHS compliance, including

May 21, 2026

Analyzers for hazardous substances RoHS screening simplified

This thermal desorption mass spectrometer helps you meet the latest RoHS directive for phthalates by giving you a first-pass screening test for the covered substances in just 10 minutes.

Dec 06, 2025

xSORT_RoHSBrochure_en dd

THIS HANDHELD ENERGY DISPERSIVE X-RAY FLUORESCENCE (EDXRF) SPECTROMETER has exceptional performance for this class of instrument, and can provide laboratory quality screening

May 19, 2026

RoHS | RTI Laboratories

RoHS Compliance Procedure The essential procedure for those seeking RoHS compliance or registration on their end electronic product is to first identify whether the end product (or part of the

May 28, 2026

RoHS WEEE Analysis | SPECTRO

The RoHS directive forbids the use of the hazardous metals cadmium, lead and mercury as well as hexavalent chromium and the brominated flame retardants

Dec 23, 2025

RoHS X-Ray Fluorescence Analysis (XRF) Screening

Intertek RoHS XRF screening is a cost effective method to determine compliance levels in products and parts.

Apr 14, 2026

RoHS compliance and halogen screening with handheld XRF analysis

Metals, alloys, ceramics, and glass are analyzed using the Electronic Metals Mode, whereas all types of plastics and polymers are analyzed using the Plastics Mode.

Mar 11, 2026

Microsoft Word

The spectrometer weighs only about 1.5 kg, is simple to use and works for more than 10 hours on one battery charge. The instrument presents analysis data in two ways: displaying of the whole sample

Sep 25, 2025

A Complete Guide to RoHS Compliance

This is a unique feature of China RoHS that's intended to inform consumers of safe usage timelines. Best Practices for RoHS Compliance Partner

Feb 28, 2026

Spectrometer XRF EDX1800B

XRF spectrometer EDX1800B is X-ray fluorescence analyzer designed for analysis of compliance with the RoHS / WEEE directive. Measurements are fast and fully

Apr 16, 2026

RoHS Analysis with Skyray XRF Spectrometers

X-Ray Fluorescence Spectrometers became a necessary tool for quantitative & qualitative testing per RoHS Directive and assuring the safety of products and

Nov 10, 2025

RoHS/ELV Directives

This application note describes a robust analytical method for the determination of heavy metals and substances regulated by the EU Restriction of Hazardous Substances/End of Life Vehicles

Jan 16, 2026

RoHS Analysis Method Guidelines 3.0 | PDF | Mass

This document provides guidelines for analyzing materials for restricted substances under the RoHS Directive, including lead, mercury, cadmium, hexavalent

Mar 20, 2026

XRF Spectrometer: A Comprehensive Analysis of

The LISUN EDX-2A XRF Spectrometer exemplifies the integration of advanced technology in elemental analysis and RoHS compliance testing. By

Nov 08, 2025

RoHS Directive Analysis Guidelines | PDF | Mass Spectrometry | Gas ...

This document provides guidelines for analyzing materials covered by the RoHS Directive, which restricts hazardous substances in electrical and electronic equipment. It outlines the history and

May 17, 2026

Achieve RoHS Compliance: Uncover Heavy Metals,

NDT XRF Achieve RoHS Compliance: Uncover Heavy Metals, Flame Retardants, and Phthalates with Handheld XRF & FT-IR Spectroscopy Many

Aug 26, 2025

SPECTRO xSORT XHH03 handheld EdXRF SPECTROMETER

This handheld energy dispersive X-ray fluorescence (edXrf) spectrometer has exceptional performance for this class of instrument, and can provide laboratory quality screening results in a matter of

Jul 26, 2025

EDX1800B XRF (RoHS Desktop Spectrometer)

XRF spectrometer offers flexibility in data analysis with variable non-linear regression. This XRF spectrometer features user-friendly interface and ergonomic

Sep 14, 2025

ROHS-QUANT | XRF Solution | Bruker

ROHS-QUANT is the powerful analytical solution designed specifically for the fast quantitative screening of the five RoHS regulated elements Cr, Hg, Pb, Br and Cd in a variety of polymers from electrical

Sep 25, 2025

XRF Screening for RoHS Compliance | Evident Scientific

XRF screening helps ensure electronics manufacturers meet compliance with global hazardous substance regulations and testing methods, such as the EU RoHS

Jan 29, 2026

SPECTRO xSORT XHH03 handheld EdXRF SPECTROMETER

One aspect of the product's fit and function. Operators won't have to mess with methods or bother with flushes or vacuum systems. When configured for RoHS screening, the SPECTRO xSORT. can

May 10, 2026

RoHS detector, ROHS, spectrometer, XRF, alloy composition analyzer

Bosun instrument is a professional production and sales of RoHS halogen-free analyzer, ROHS detector, alloy composition analyzer service Tel: 0512-66326762

Oct 22, 2025

RoHS WEEE Analysis | SPECTRO Analytical Instruments

Discover SPECTRO's advanced spectrometers tailored for precise elemental analysis in RoHS and WEEE applications, ensuring regulatory compliance and

May 18, 2026

RoHS Vision a X-ROHS stolní ED-XRF spektrometry Xenometrix

The RoHS Spectrometer uses a high resolution detector, an integrated camera, and a powerful X-ray tube with variable spot sizes to accommodate samples of various sizes and to measure the

Mar 22, 2026

RoHS X-Ray Fluorescence Analysis (XRF) Screening

X-Ray Fluorescence Analysis can be used as a pre-screening method for compliance since it focuses primarily on the parts of a product with the highest risk of containing RoHS substances and can

Jun 20, 2026

Simple Analysis of Brominated Flame Retardants with

Far-IR spectroscopy is also quite powerful over the analysis of the isomer. Model FT/IR-6000 series offers the measurement range from the near

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.piano-lessons.co.za>

Email: info@piano-lessons.co.za

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

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