

RoHS Directive Spectrometer



Overview

A RoHS analyzer is a portable XRF device used to test electronic and electrical materials to determine if they contain any of the substances restricted by the EU's RoHS directive. 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. 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. One of the key features of ElvaX RoHS is automatic chlorine correction of calibration, which takes into account the influence of chlorine content in plastics on measurement of heavy. XRF analyzers are used to determine the elemental makeup of tested materials, making them ideal for screening hazardous materials within electronics.



Article Content

Oct 30, 2025

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

Aug 21, 2025

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

Jan 15, 2026

Monitoring Heavy Metals by Atomic Absorption Spectroscopy for

In this article, various sample preparation methods are evaluated for the determination of Cd, Pb, Hg and Cr in plastic by atomic absorption spectroscopy. In Varian ICP-OES Application Note Number

Nov 09, 2025

RoHS Substance Measurements in Complex Products

EU RoHS The European Union's Restriction of Hazardous Substances directive of 2011 put test and measurement equipment in scope, with an effective date of July 22, 2017. Test equipment is EU

Sep 09, 2025

RoHS Compliance Testing | Materials Testing | Element

Ensure RoHS compliance with expert testing for all ten restricted substances. Get certified for EU and EAEU marketsâ€”fast, reliable, and accurate testing.

Mar 24, 2026

RoHS X-Ray Fluorescence Analysis (XRF) Screening

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

Oct 13, 2025

RoHS Testing Equipment

LISUN's Energy Dispersive X-ray Fluorescence Spectroscopy (EDXRF) can do Restriction of Hazardous Substances (RoHS) 1.0 Directive Testing, Elements

Feb 20, 2026

EU Restriction of Hazardous Substances (RoHS): EU

Learn about the EU RoHS Directive restricting hazardous substances in electronic equipment. Understand who must comply, substance limits, key

Apr 15, 2026

RoHS screening rapid non-destructive test

Are you looking for an analyzer for RoHS/Reach? Our team of experts will be happy to support you and answer your questions about application, technology and options.

May 28, 2026

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

Aug 02, 2025

ElvaX RoHS

Thanks to a highly sensitive SDD detector, the instrument allows to detect hazardous elements in concentrations ten times lower than the minimum

Jan 16, 2026

1. Product restrictions Primary Declarable Substance Lists (Primary

Restriction of Certain Hazardous Substances (RoHS) Directive 2011/65/EU The RoHS substance restrictions apply to every individual homogenous material in the part. BOMcheck is aligned with the

Dec 21, 2025

Analyzers for hazardous substances RoHS screening simplified

HM1000A: Fast and Simple Screening of Phthalates for RoHS 2 Compliance This thermal desorption mass spectrometer helps you meet the latest RoHS directive for phthalates by giving you a first-pass

Oct 28, 2025

RoHS compliance and halogen screening with handheld XRF analysis

RoHS compliance screening 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

Nov 03, 2025

RoHS compliance and halogen screening with handheld XRF analysis

Compliance with RoHS regulations (2011/61/EU) is achieved when every homogeneous part of a product contains less than 100 ppm Cd and less than 1000 ppm Pb, Hg, Cr (VI), PBB, and PBDE. X

Dec 30, 2025

Table of Contents

Table B4 contains the list of RoHS exemptions published in Annex IV of the new RoHS Directive 2011/65/EU, and subsequent Commission Decisions and Commission Delegated Directives, which

Jun 09, 2026

EU Restriction of Hazardous Substances Directive

A practical guide to the RoHS directive, including covered products, limits, required documents, CE marking, and components.

Mar 20, 2026

RoHS Directive

Discover EU rules on the restriction of hazardous substances in electrical and electronic equipment (RoHS in EEE).

Apr 21, 2026

RoHS Testing with XRay Fluorescence (XRF) Analyzers

XRF analyzers provide a non-destructive approach to RoHS testing of electronics and other goods. Review Hitachi XRF and used analyzer options for RoHS testing.

Apr 19, 2026

RoHS X-Ray Fluorescence Analysis (XRF) Screening

The European Union Directive on the Restriction of Hazardous Substances (RoHS) holds electrical and electronic equipment (EEE) companies directly responsible for ensuring their products conform to its

Apr 13, 2026

Compliance FAQs: RoHS | NIST

China RoHS 2 was based on the European Union's Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) 2 directive. What types of products does China ROHS

Nov 28, 2025

Chemical Testing for EU Compliance: REACH, RoHS,

Learn when and how to test products for REACH, RoHS, and POPs compliance. A practical guide to EU chemical safety rules, with test planning advice,

Sep 01, 2025

RoHS Product Lab Testing: A Complete Guide

An essential guide to RoHS lab testing requirements, cost examples, cost-saving strategies, common mistakes, and more.

Feb 03, 2026

Detection methods for hazardous substances in the

Detection methods for hazardous substances in the RoHS directive in the PCB industry By Grace January 1, 2025 1.X-ray fluorescence spectrometry ①

Dec 29, 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

Jun 08, 2026

RoHS Regulations 2012 (as amended): Great Britain

Summary Purpose – This guidance is designed to help you understand the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Oct 12, 2025

RoHS Analysis Method Guidelines

The EU RoHS Directive was revised in June 2015. From July 22, 2019, the use of four types of phthalate esters "bis (2-ethylhexyl phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP),

May 08, 2026

RoHS Compliance: A Comprehensive Guide

Learn everything about RoHS Compliance in this comprehensive guide. Discover what RoHS Compliance is, why it's important, the specifics of the RoHS directive,

Apr 18, 2026

Technical Analysis of the EU RoHS 2.0 Directive and test solution

To comply with this directive, electronic and electrical products must undergo RoHS 2.0 testing to prove they do not contain six harmful substances: lead (Pb), mercury (Hg), cadmium (Cd),

Contact Us

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