

Metal content detection using a spectrometer



Article Overview

Spectrometers, including OES, XRF, and ICP, are essential tools for precise metal content analysis, enabling rapid, accurate, and reliable elemental testing across industrial and laboratory applications.

Types of Spectrometers for Metal Analysis



Article Content

ICP-MS – Heavy Metal Elemental Analysis

Once ionized the molecules that make up the sample are separated based on its mass-to-charge ratio and quantified using a mass

Instrumentation for precise metal analysis

Our high-performance metal analyzers use either elemental analysis or optical emission spectrometry for easy, precise metal analysis.

Spectrometers – Visual Encyclopedia of Chemical Engineering

Spectrometers use light wavelengths to investigate the chemical composition of a sample. Atomic spectrometers use an analytical

Metal Testing & Analysis

For precious metals analysis, such as jewelry or dental alloys, also non-destructive SPECTRO XRF spectrometers are used for

Elemental Analysis of Metals | Elemental Spectroscopy

Learn more about the elemental analysis of metals. Elemental spectroscopy uses an optical emissions spectrometer to determine the

Spectrometric Analysis for Positive Material Identification (PMI)

Instrumental Solutions The right handheld X-ray fluorescence (XRF) spectrometer can satisfy most PMI analysis requirements.

Spectrophotometric Determination of Trace Iron in Solution

Fortunately, the solution chemistry underlying a colorimetric determination of iron content is simple enough to be reduced to kit form

Contact Us

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

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