A spectrometer can be used to detect the type of stainless steel

ASTM E572 is a standard method for qualitative and quantitative analysis of stainless and alloy steels using wavelength dispersive X-ray fluorescence (WDXRF) spectrometry.

You start to worry that you"ve received a low-quality or fake product. The most reliable way to test stainless steel is with a handheld spectrometer, also called an alloy gun.

The analytical performance data included may be used as a benchmark to determine if similar X-ray spectrometers provide equivalent precision and accuracy, or if the performance of a ...

You can figure out the stainless steel grade by matching your numbers to known grades. For example, if you see about 18% chromium and 10% nickel, you probably have 304 stainless steel.

X-ray fluorescence spectrometers are the most common analysis tools to analyze steel owing to rapid analysis and the ability to measure both bulk metal and powders. This application note describes ...

Skyray X-Ray Fluorescence Spectrometers are ideal instruments for fast and non-destructive alloy analysis and positive material identification (PMI). Multiple alloy analysis modes including ...

These handheld XRF analyzers can accurately analyze a wide range of alloys, including stainless steels, nickel-based alloys, copper alloys, and many more. The SPECTRO xSORT can even be used to ...

A simple method for the analysis of stainless steel samples is presented which is based on radioisotope excited energy dispersive X-ray fluorescence (EDXRF) spectrometry and does not ...

Discover how the ARL X900 XRF spectrometer is utilized in accurate steel analysis, learn how it"s features aid in precision, reliability and more.

A portable XRF stainless steel analyzer can test metal composition quickly - in only 3 seconds per scan. This speed allows a high testing throughput, offering stainless scrap professionals a quick ROI.

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