

Standard for Cast Iron Spectrometers



Overview

Developed by the American Testing and Materials Authority (ASTM), the ASTM E1999 standard provides a test procedure for accurately determining the chemical composition of cast iron alloys to ensure desired metallurgical properties. 1 This test method covers the analysis of cast iron by spark atomic emission spectrometry for the following elements in the ranges shown (Note 1): Note 1: The ranges of the elements listed have been established through cooperative testing of reference materials. These ranges can be extended by the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For Annual Book of ASTM Standards vol 10.1. The last approved version of this historical standard is ref 10.1. International 10.1. Barr Harbor Drive, Pennsylvania 19004, USA. The flat, ground surface of the disk specimen and a conically shaped. Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the. 1. This procedure is suitable for production control and inspection. 1.



Article Content

Analytical Chemistry Standards

ASTM's analytical chemistry standards are instrumental primarily in chemical analysis of various metals, alloys, and ores. These analytical chemistry standards present various test methods and techniques

Cast Iron Analysis | Optical Emission Spectrometry

Approximately 20,000 foundries worldwide produce cast iron. The exact chemical composition of the alloy being manufactured needs to be checked throughout the

ASTM E1999-18

Historical ASTM E1999-18 Standard Test Method for Analysis of Cast Iron by Spark Atomic Emission Spectrometry 1.1 This test method covers the analysis of cast handheld xrf spectrometer factory, professional handheld xrf ...

How Optical Emission Spectrometer controls interference factors in cast iron? Jun 02, 2023 How Optical Emission Spectrometer controls interference factors in cast iron For the steel, cast steel, cast iron

Spectro Coin Die | PDF

BCIRA Broadsheet 142—2* Sampling for spectrographic analysis "Samples for vacuum-path spectrographic analysis are small quantities of liquid cast iron

Standard Test Method for Analysis of Cast Iron by Spark ...

Standard Test Method for Analysis of Cast Iron by Spark Atomic Emission Spectrometry This international standard was developed in accordance with internationally recognized principles

Standard Test Method for Analysis of Cast Iron by ...

Standard Test Method for Analysis of Cast Iron Using Optical Emission Spectrometry This test method covers the optical emission spectrometric analysis of cast iron by use of the point-to

E1999 Standard Test Method for Analysis of Cast Iron by Spark

1.1 This test method covers the optical emission spectrometric analysis of cast iron by use of the point-to-plane technique for the following elements in the concentration ranges shown (Note 1):

ASTM E1999-23

It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory

"ASTM E1999-23: Spark Emission Test for Cast Iron"

Analyze cast iron composition with ASTM E1999-2023 using spark atomic emission spectrometry. Precise results for carbon, chromium, copper, and more.

ASTM E1999 Standard Test Method for Analysis of Cast Iron by Spark ...

ASTM E1999 provides a standardized technique for the chemical analysis of cast iron using spark atomic emission spectrometry. The method is important for identifying alloying and

ASTM International

Standard Test Method for Analysis of Cast Iron by Spark Atomic Emission Spectrometry 1.1 This test method covers the optical emission spectrometric analysis of cast iron by use of the

IS 15338 (2003): Spectrometric Analysis of Cast Iron by Direct

In this standard the condensed spark method is specified for determination of alloying elements in cast iron with the help of direct reading optical emission spectrometer having automatic print out

E1999 Standard Test Method for Analysis of Cast Iron by Spark

Scope 1.1 This test method covers the analysis of cast iron by spark atomic emission spectrometry for the following elements in the ranges shown (Note 1): ... (A) Quantitative range as

EDXRF analysis of cast iron composition with ARL QUANT"X Spectromet

Instrumentation The ARL QUANT"X EDXRF Spectrometer is equipped with a 50-W, 50-kV rhodium (Rh) anode X-ray tube, a filter wheel with 9 selectable filter positions, and a state-of-the-art silicon drift

Standard Test Method for Cast Iron Analysis with ASTM E1999 Spark ...

Developed by the American Testing and Materials Agency (ASTM), the ASTM E1999 standard is the correct form for the chemical composition of cast iron alloys to provide the desired metallurgical

Analysis of Cast Iron by Spark Atomic Emission

This standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either

Standard Test Method for Cast Iron Analysis with ASTM E1999 Spark ...

Developed by the American Testing and Materials Authority (ASTM), the ASTM E1999 standard provides a test procedure for accurately determining the chemical composition of cast iron alloys to

Standard Test Methods for Chemical Analysis of Cast Iron—All Types

It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.

ASTM E1999-23

ASTM E1999-23 - Standard Test Method for Analysis of Cast Iron by Spark Atomic Emission Spectrometry, Category: 71.040.50

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