

ICS 77.100

CCS H 42



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28371-2012

**Ferroalloys -- Experimental methods for checking the precision
of sample division**

Issued on: May 11, 2012

Implemented on: February 1, 2013

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

Table of Contents

Foreword

1 Scope

2 normative reference documents

3 General requirements

3.1 large sample weight

3.2 Analytical methods

3.3 Quality characteristics

3.4 Number of tests

4 test method

4.1 Selection of test methods

Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is modified using ISO 7373. 1987 "Ferroalloy - Test Method for Scaling Indication of Samples" (English version).

This standard structure and technical content (except for normative references) are consistent with ISO 7373. 1987; normative references

GB/T 4010 instead of ISO 4552, with GB/T 28369 instead of ISO 7087.

This standard is proposed by China Iron and Steel Industry Association.

This standard is under the jurisdiction of the National Technical Committee on Standardization of Pig Iron and Ferroalloys (SAC/TC318).

The drafting of this standard unit. Sinosteel Group Jilin Ferroalloy Co., Ltd., Metallurgical Industry Information Standards Institute.

1 Scope

This standard specifies the test method for checking the shrinkage accuracy of ferroalloy samples. The test is carried out using a large sample or a pair of samples

Is taken in accordance with the method specified in the relevant standard from the ferroalloy delivery.

This standard applies to crusable ferroalloy samples and is not intended for use with drilled

non-destructible ferroalloy samples.

2 normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article

Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 4010 Ferroalloy chemical analysis of the sample to take and preparation (GB/T 4010-1994, ISO 4552. 1987, MOD)

GB/T 28369 Ferroalloy evaluation Quality test method for quality fluctuation and inspection sampling accuracy (GB/T 28369-2012, ISO 7087. 1984, MOD)

3.1 large sample weight

GB/T 4010 provides ferrochromium, silicon chromium alloy, ferrosilicon, manganese silicon alloy and ferromanganese and other ferroalloy delivery batch weight should not be less than 100t,

GB/T 4010 in the provisions of iron, molybdenum, tungsten iron, ferroniobium and ferroalloy iron and other ferroalloy delivery batch weight should not be less than 5t, so for this test, large

The amount of sample is sufficient to produce the required weight of the sample.

3.2 Analytical methods

The sample analysis shall be carried out in accordance with the method specified in the relevant standards.

3.3 Quality characteristics

Check the quality characteristics of the sample shrinkage accuracy should be specified in the relevant standards.

Negotiated by the parties concerned, you can also use other elements as a quality feature.

3.4 Number of tests

Each ferrous alloy, whether large or sub-sample, should be tested at least 10 times.

Note. The sample can be taken to determine the quality of the delivery batch.

4.1 Selection of test methods

4.1.1 For the physical properties of the use of one or two steps to prohibit the preparation of the sample of ferroalloy, if the continuous sample preparation process, the sample shrinkage

chinastandards.org · PREVIEW