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

GB/T 4010-2015

Replacing GB/T 4010-1994

**Ferroalloys sampling and preparation of samples for chemical
analysis**

(English Translation)

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Sampling and sample preparation

8 Ferromanganese, manganese metal nitride, silicon nitride, manganese, silicon iron, vanadium nitride iron sampling and sample preparation

Appendix A (informative) This standard reg number and ISO 4552-1. 1987, ISO 4552-2. 1987 reg control number

Annex B (informative) This standard and ISO 4552-1. 1987, ISO 4552-2. 1987 Technical Differences and Causes

Annex C (informative) Example of higher-strength alloy crusher

Foreword

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

This standard replaces GB/T 4010-1994 "alloy samples taken for chemical analysis and preparation", and GB/T 4010-1994 phase Ratio, the main technical changes are as follows.

- Increasing the standard preface;
- Increasing the normative references;
- Increased slightly, carbon nitride and silicon manganese alloy products;
- Shorten the unbreakable ferroalloy grinding time;
- Adjusted unbreakable alloy parts sample volume;
- Increase the varieties ferroalloy chemical analysis assays permitted maximum particle size and specific variety;
- Increasing the minimum ratio of the number of increments and other titanium-iron alloy

metal pail Delivery time of sampling;

--- Deleted Chapter 8;

--- Added Appendix C higher-strength alloy crusher examples.

This standard uses redrafted Law Amendment uses ISO 4552-1. 1987 Sampling unit "alloy used for chemical analysis and sample preparation 1 Score. ferrochrome, chrome silicon, ferrosilicon, silicon manganese alloys, manganese "(in English) and ISO 4552-2. 1987" alloy used for chemical analysis and sampling system Like moiety 2. titanium-iron, molybdenum iron, tungsten iron, niobium iron, vanadium iron "(in English).

This standard and ISO 4552-1. 1987 and ISO 4552-2. 1987 has more adjustments in the structure, listed in Appendix A of this standard and ISO 4552-1. 1987 and ISO 4552-2. 1987 reg number of the control list.

This standard and ISO 4552-1. 1987 and ISO 4552-2. 1987 as compared to the existence of technical differences, these differences involve the provision has passed in its outer margins of the vertical single line has been identified, given a list of corresponding technical differences and their reasons in Appendix B.

This standard also made the following editorial changes.

--- The "this International Standard" be replaced by "this standard";

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Remove the ISO 4552-1. 1987 and ISO 4552-2. 1987 Foreword.

The standard proposed by China Iron and Steel Association.

This standard by the national pig iron and ferroalloy Standardization Technical Committee (SAC/TC318) centralized.

This standard was drafted. Sinosteel Jilin Ferroalloy Co., Ltd., Jinzhou Shen Hong Industrial Group Co., Ltd., Qinghai Belden High Purity Materials Development Co., Ltd., Zhejiang Machinery Manufacturing Co., Ford, Metallurgical Industry Information Standards Institute.

1 Scope

This standard specifies the method of preparation and adoption and related accuracy requirements for the chemical analysis of a sample of ferroalloy products.

This standard applies to ferroalloy production process management and ferroalloy products reinspection and arbitration.

2 Normative reference standard

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 13247 ferroalloy product size sampling and detection methods (GB/T 13247-1991, neqISO 4551. 1987) GB/T 28369 ferroalloy evaluation of quality variation and test methods (GB/T 28369-2012 checking the precision of sampling, ISO 7087. 1984, MOD) Test methods GB/T 28371 ferroalloy check sample and dividing precision (GB/T 28371-2012, ISO 7373. 1987, MOD) GB/T 28372 ferroalloy sampling and sample preparation General (GB/T 28372-2012, ISO 3713. 1987, MOD)

3.1 Sampling shovel

Spatula sampling structure shown in Figure 1, Table 1 sample size shovel.

1 spatula sampling Chart