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

GB/T 1361-2024

Replacing GB/T 1361-2008

General rules and regulations for analysis of iron ores

铁矿石分析方法总则及一般规定

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Foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents"

Drafting: This document replaces GB/T 1361-2008 "General principles and general provisions for iron ore analysis". In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the:2008 edition);
- b) The selection content of arbitration analysis has been changed (see 4:3, 3:3 of the:2008 edition);
- c) Changed the expression of method precision (see 4:7, 3:7 of the:2008 edition)
- d) The method for determining the sample analysis value has been changed (see 4:9, 3:9 of the:2008 edition);
- e) Changed the description of using certified standard sample analysis when analyzing samples (see 4:10, 3:10 of the:2008 edition);
- f) Added warning reminders (see 4:11);
- g) The provisions for water used in preparing solutions during analysis have been changed (see 5:1, 5:3, and 4:9 of the:2008 edition);
- h) Changed the description of the shelf life of the standard series solutions (see 5:7, 4:16 of the:2008 edition);
- i) Added the description of quality score (see 5:9);
- j) Changed the description of metrological verification of balances and weights (see 5:13, 4:4 of the:2008 edition);
- k) Changed the selection requirements for volumetric instruments (see 5:14, 4:5 of the:2008 edition);

l) Changed the description of the effect of sample decomposition on the results (see 5:17, 4:3 of the:2008 edition);

m) The description of blank sample operation has been changed (see 5:18, 4:19 of the:2008 edition);

1 Scope

GB/T 1361-2024 is the Chinese national standard on general rules and regulations for analysis of iron ores, in the field of mining and minerals. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 25 April 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2024. Classification: ICS 73.060.10, CCS D31. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document: For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document:

GB 3100 International System of Units and Its Application

GB 3101 General principles for quantities, units and symbols GB/T 6379:

1 Accuracy (trueness and precision) of measurement methods and results Part 1: General principles and definitions GB/T 6379:

2 Accuracy (trueness and precision) of measurement methods and results Part 2: Determination of repeatability of standard measurement methods Basic methods of sex and reproducibility

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB/T 6730 (all parts) Iron ore GB/T 6730:

GB/T 12805 Laboratory glass instrument burette

GB/T 12806 Laboratory glassware single-line volumetric flasks

GB/T 12807 Laboratory glassware graduated pipettes

GB/T 12808 Laboratory glassware single-line pipettes GB/T 20001:

3 Terms and definitions

There are no terms or definitions that require definition in this document:

4 General

1 When formulating and revising the standards for iron ore analysis methods, they should be written in accordance with GB/T 20001:4 and relevant national requirements: 4:

2 The chemical analysis method standards specified in GB/T 6730 (all parts) can be used for arbitration analysis, verification of other analysis methods and standard The method can be used for accurate sample determination and can also be used as a routine analysis method for iron ore: 4:

3 When there is more than one method standard for the same element, the method to be used may be selected based on the composition and content of the sample: The method to be used shall be given priority in arbitration analysis: Choose classical chemical analysis methods, or analytical methods with little interference to the elements to be measured and high precision: