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

GB/T 47898.1-2026

Manganese ores - Sampling - Part 1: Increment sampling

锰矿石 取样 第1部分：份样采取

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 1 of GB/T 47898 "Sampling of Manganese Ore". GB/T 47898 has the following parts published.

---Part 1: Sample Taking.

This document is modified to adopt ISO 4296-1:1984 "Sampling of manganese ore - Part 1: Sample collection".

This document has undergone significant structural adjustments compared to ISO 4296-1:1984. A table comparing the structural numbering changes between the two documents is provided.

See Appendix A.

This document differs significantly from ISO 4296-1:1984 in several technical aspects. The relevant clauses are indicated in vertical margins.

Straight lines (|) are marked. A summary of these technical differences and their reasons can be found in Appendix B.

---Appendix A (informative) "Comparison of this document's structural numbering with ISO 4296-1:1984" has been added;

---Appendix B (informative) has been added. "Technical Differences Between This Document and ISO 4296-1:1984 and Their Reasons";

---Appendix C (Informative) "Examples of Deviation Tests for Two Sampling Methods" has been added;

---Added Appendix D (Informative) "Examples of Quality Fluctuations and Overall Precision Tests".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Iron and Steel Association.

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

Introduction

Because manganese ore sampling involves many procedures, a manganese ore sampling method needs to be established to ensure the scientific accuracy of the sampling.

The national standard system. GB/T 47898 "Sampling of Manganese Ore" is the basic standard for manganese ore sampling in my country.

GB/T 47898 is proposed to consist of two parts.

---Part 1: Sampling. The purpose is to standardize the sampling process in manganese ore sampling.

---Part 2: Sample Preparation. The purpose is to standardize sample preparation during the manganese ore sampling process.

Manganese ore sampling Part 1: Sample collection Users are responsible for taking appropriate safety and health measures and ensuring compliance with relevant national regulations.

1 Scope

This document describes the method for sampling manganese ore at the shipping and receiving locations.

This document applies to manual or mechanical sampling of natural or processed manganese ore.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 24232 Test methods for verifying sampling and sample preparation deviations in manganese and chromium ores (GB/T 24232-2009) ISO 8541:1986, IDT GB/T 24233 Test

methods for assessing quality fluctuations and verifying sampling precision of manganese and chromium ores (GB/T 24233-2009, ISO 8542:1986, IDT) ISO 4296-2 Sampling of manganese ore - Part 2: Preparation of samples) the following terms and definitions apply to this document.

batch lot

A certain quantity of ore processed or produced under assumed uniform conditions.

A certain quantity of ore delivered in one transaction.

Note: A delivery batch can consist of one batch, multiple batches, or several parts of multiple batches.

Sample increment

A certain quantity of ore is taken at one time from a delivery batch using a sampling device, or in each segmented cell of a partitioned sampling method.

ore.

subsample

Ore consisting of multiple samples taken from a portion of ore in a delivery batch, or multiple samples that have been individually crushed and reduced in size.

Combined ore.