

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

SN/T 1797.1-2008

**Technical regulation on safety and sanitation for inspection of
iron ore. Part 1: Sampling-manual method**

铁矿石安全卫生检验技术规范 第1部分：取样 手工法

(English Translation)

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Foreword

SN/T 1797 "Safety of Health Laboratory technical specifications of iron ore" is divided into 12 parts.

- Part 1. manual sampling method;
- Part 2. Evaluation of total quality iron content;
- Part 3. Quality Assessment silicon content;
- Part 4. Quality Assessment of aluminum content;
- Part 5. Quality Assessment of loss on ignition;
- Part 6. Quality Evaluation of moisture content;
- Part 7. Quality evaluation of particle size distribution;
- Part 8. Evaluation of thermal cracking quality index;
- Part 9. Quality evaluation of mechanical strength;
- Part 10. Quality Assessment of the relative degree of reduction;
- Part 11. Evaluation of the quality of pellets free expansion coefficient;
- Part 12. Quality Assessment bulk density.

This section SN/T Section 11797 of.

Appendix A to this part of the normative appendix, Appendix B is an informative annex.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

This portion of the reference of ISO 3081. 1986 (E) "iron ore samples taken parts manual method." this part of ISO 3081. 1986 (E) The main differences are as follows.

- In order to be consistent with SN/T 1797 other criteria delete ISO 3081. 1986 (E) Foreword, Preface increased portion;
- Remove the ISO 3081. 1986 (E) in Chapter 1;
- ISO 3081. Standard 1986 (E) "3 Normative references" cited in the international standards cited in this section accordingly Using standards with international standards corresponding to our national standards;
- Remove the ISO 3081. 1986 (E) in Chapter 4 of the terms and definitions, adding a reference to this part of the terms and definitions;
- Remove the ISO 3081. 1986 (E) in Figure 1, Figure 2.

This section is drafted. Tianjin Entry-Exit Inspection and Quarantine of Liaoning.

1 Scope

This section provides the iron ore manual sampling methods.

This section applies to natural iron ore and iron ore processing to obtain particle size distribution, moisture content, chemical composition and physical properties measurement sample.

These methods apply from the conveyor belt, railway wagons, containers (including trucks), to take the ship and stockpile ore samples.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2007.1 bulk minerals sampling and sample preparation General manual sampling methods
GB/T 2007.2 bulk minerals sampling and sample preparation General manual sample preparation method
GB/T 2007.3 minerals in bulk sampling, test methods for sample preparation quality fluctuation General Evaluation
GB/T 2007.4 bulk minerals sampling and sample preparation General Experimental methods for checking the precision
GB/T 2007.5 minerals in bulk sampling, systematic error checking test sample preparation methods General Sampling
GB/T 2007.6 bulk minerals sampling and sample preparation General Determination of Water heat drying method
GB/T 2007.7 bulk minerals sampling and sample preparation method for determination of size by General manual sieving
GB/T 10322.1 iron ore sampling and sample preparation methods
GB/T 20565 Iron ore and direct reduced iron term

3 Terms and Definitions

GB/T 20565 and GB/T 2007.1 ~ 2007.7 establishes the terms and definitions apply to this section.

4 Sampling scheme

Sampling program are as follows.

- a) verify that the sampling consignment or part consignment;
- b) determine the maximum size of the consignment;
- c) determining the amount of increment to the maximum size;
- d) determining the type of consignment of quality fluctuations;
- e) use of systematic sampling and stratified sampling when determining the minimum number of samples from parts of the consignment to be taken; when two samples used, starting with all the cross Batch selected goods prescribed truck or container, and then choose from a number of these wagons take point increments;
- f) the system sampling and stratified sampling or measurement method selected interval truck or container, it is determined to take part sample interval;
- g) to determine the sampling points and take parts of such methods;
- h) during the whole process of handling the consignment, take sample parts have almost the same quality.