

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

SN/T 1797.10-2008

**Technical regulation on safety and sanitation for inspection of
iron ore. Part 10: Relative reducibility for quality evaluation**

铁矿石安全卫生检验技术规范 第10部分：质量评价 相对还原度

(English Translation)

Issued on: July 17, 2008

Implemented on: February 1, 2009

Issued by: General Administration of Customs

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Sampling and sample preparation
- 5 Measurement method

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 Part of 101,797.

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

This section is drafted. Ningbo Entry-Exit Inspection and Quarantine Shandong.

Drafters of this section. according to Kim Jin, Sun Xili, F. Chien Yu Chi, Ren Chunsheng, Liao Haiping, Yue Chunlei.

This section first release of exit inspection and quarantine industry standards.

Iron ore Health and Safety Inspection Technical Specifications Part 10. Quality evaluation of the relative degree of reduction

1 Scope

This section provides the relative reduction of the import and export of iron ore grading criteria of evaluation.

This section applies to the import and export of natural iron ore lump ore, sinter and pellets.

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 10322.1 iron ore sampling and sample preparation methods GB/T 13241
Determination of reducing the iron ore GB/T 20565 Iron ore and direct reduced iron term
SN/T 1797.1 iron ore Health and Safety Inspection Technology Specification - Part 1.
Sampling manual method ISO 3082 iron ore sampling and sample preparation methods
ISO 7215 Determination of the iron ore relative reduction Sampling and sample preparation
methods ISO 10836 for physical testing samples

3 Terms and Definitions

Terms and definitions GB/T 20565 established applicable to this section.

After reducing the time prescribed, the degree of removal of oxygen from iron oxide, with the reduction and removal of iron and oxygen first combined percentage of oxygen FIG.

[GB/T 20565-2006, physical test 7.4.3] 3.2 Final reduction of temperature reduction and other test methods adopted under certain conditions after a certain time to achieve, as represented by the initials RI.

The ratio of calcium and silica content of iron oxide.

4 Sampling and sample preparation

According to GB/T 10322.1, SN/T 1797.1, ISO 3082 or ISO 10836 requirements for sampling and sample preparation.

5 Measurement method

Determine the relative degree of reduction carried out according to GB/T 13241 or ISO 7215 approach.