

JAPANESE INDUSTRIAL STANDARD

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(JISF)

Iron ores — Determination of titanium — Part 2: Diantipyrylmethane spectrophotometric method

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> In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by The Japan Iron and Steel Federation (JISF) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently **JIS M 8219**:1995 has been withdrawn and partially replaced with this Standard.

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JIS M 8219 series consists of the following 2 parts under the general title "Iron ores — Determination of titanium —":

Part 1: Flame atomic absorption spectrometric method

Part 2: Diantipyrylmethane spectrophotometric method

Iron ores — Determination of titanium — Part 2: Diantipyrylmethane spectrophotometric method

JIS M 8219-2:2012

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of ISO 4691 published in 2009 with some modifications of the technical contents such as operation, marking of final report, etc.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the determination method of titanium in iron ores according to the diantipyrylmethane spectrophotometric method. This method is applicable to the determination of titanium whose content rate (mass fraction) is 0.02 % or over up to and including 4.0 %.

NOTE: The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows:

ISO 4691: 2009 Iron ores — Determination of titanium — Diantipyryl-methane spectrophotometric method (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS M 8202 Iron ores — General rules for chemical analysis

JIS Z 8402-6 Accuracy (trueness and precision) of measurement methods and results — Part 6: Use in practice of accuracy values

3 General matters

General matters common to the determination method of iron ores shall be as specified in JIS M 8202.

4 Summary

The sample shall be decomposed with acid decomposition method, alkali sintering