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JIS M 8228 : 1997

Iron ores — Methods for determination of zinc content

ICS 73.060.10

Descriptors : determination of content, chemical analysis and testing, zinc, non-ferrous metals, iron ores, metalliferous minerals

Reference number : JIS M 8228 : 1997 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently JIS M 8228:1983 is replaced with JIS M 8228:1997.

In this revision, the relevant provisions of ISO Standard are described as Annex 2, intending conformance with International Standard.

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Divisional Council on Iron and Steel

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In the event of any doubts arising as to the contents,
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Iron ores — Methods for determination of zinc content

Introduction Annex 1 of this Standard is JIS specified by revising the EDTA titrimetric method in **JIS M 8228:1983**. Annex 2 is JIS prepared based on the provisions on zinc of **ISO 8753**, *Iron ores — Determination of lead and/or zinc content — Flame atomic adsorption spectrometric method*, published in 1987 without modifying the technical content and the structure of the Standard.

1 Scope This Japanese Industrial Standard specifies the methods for determination of zinc content in iron ores.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS K 8001 *General rule for test methods of reagents*

JIS M 8202 *Iron ores — General rules for chemical analysis*

3 General matters General matters common to the determination methods shall be as specified in **JIS M 8202**.

4 Determination methods The determination method for zinc content shall conform to either of the following methods.

- a) **Coexistent element separation disodium dihydrogen ethylenediamine-tetraacetate (disodium EDTA) titrimetric method** This method is applied to the sample of 0.2 % (m/m) or over up to and including 30 % (m/m) zinc content, which is as described in Annex 1.
- b) **Flame atomic absorption spectrometric method [identical with International Standard (ISO 8753)]** This method is applied to the sample of 0.001 % (m/m) or over up to and including 0.5 % (m/m) zinc content, which is as described in Annex 2.