JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS M 8128 : 2008

(JTMIA/JSA)

Methods for determination of tungsten in ores

ICS 73.060.01

Reference number : **JIS M 8128 : 2008 (E)**

Date of Establishment: 1952-11-25

Date of Revision: 2008-07-20

Date of Public Notice in Official Gazette: 2008-07-22

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Non-Ferrous Metals

JIS M 8128:2008, First English edition published in 2009-01

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

Printed in Japan

NH/AT

Contents

Page

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Tungsten & Molybdenum Industries Association (JTMIA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS M 8128** : 1976 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

Methods for determination of tungsten in ores

1 Scope

This Japanese Industrial Standard specifies the methods of determination of tungsten (VI) oxide in ores.

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 K 0050 *General rules for chemical analysis*

JIS K 0115 *General rules for molecular absorptiometric analysis*

JIS K 0116 *General rules for atomic emission spectrometry*

JIS M 8101 *Methods for sampling, preparation and determination of moisture content of non-ferrous metal bearing ores*

JIS Z 8401 *Guide to the rounding of numbers*

3 General matters

The general matters common to analyzing method shall be in accordance with **JIS K 0050**, **JIS K 0115** and **JIS K 0116**.

4 Preparation and storage of sample

Crush the sample for component [1)] divided according to **JIS M 8101** to not more than 150 μm [2)], after drying a part of this sample for component in air bath at 100 °C to 105 °C for approximately 2 h, leave it to cool in a desiccator down to the room temperature and store it.

This shall be taken as the sample for component testing (hereafter referred to as "sample").

The storage of sample in this case shall be in accordance with **JIS M 8101**.

Notes [1)] It is the generic term for samples taken for analyzing component (see **JIS M 8101**).

[2)] When the determination is carried out according to the analyzing method in clause **5 a**), the decomposition of sample can be made easier by pulverizing it further in agate mortar.

5 Division of determination methods

The determination method for tungsten (VI) oxide shall be in accordance with either of the following.

a) **Tungsten (VI) oxide gravimetric method by acid decomposition and cinchonine precipitation separation** This method shall be applied to the sample