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**Methods for determination of sulfur
oxides in flue gas**

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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 Environmental Measurement & Chemical Analysis Association (JEMCA)/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 K 0103: 2005 is replaced with this Standard.

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Methods for determination of sulfur oxides in flue gas

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 7934 published in 1989 and the first edition of ISO 11632 published in 1998. For ISO 7934, the technical contents thereof have been specified in Annex A without any modifications. For ISO 11632, the specification items and specification contents not given in it have been added but part of it has not been adopted.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standards have been modified. A list of modifications with the explanations is given in Annex JE. Annex JA to Annex JD are the matters not contained in the corresponding International Standards.

1 Scope

This Standard specifies the methods for analysis of sulfur oxides in flue gas (hereafter referred to as "analysis methods").

In this Standard, the flue gas means the gas which is exhausted into flue, chimney, duct, etc. from such processes as burning of fuels, roasting of ores, refining of metals, manufacturing of sulfur, other chemical reactions, or desulfurization.

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

ISO 7934 : 1989 *Stationary source emissions — Determination of the mass concentration of sulfur dioxide — Hydrogen peroxide/barium perchlorate/Thorin method*

ISO 11632 : 1998 *Stationary source emissions — Determination of mass concentration of sulfur dioxide — Ion chromatography method* (Overall evaluation : MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards 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 B 7981 *Automated measuring systems and analyzers for sulfur dioxide in flue gas*

NOTE : Corresponding International Standard : ISO 7935 : 1992 *Stationary source emissions — Determination of the mass concentration of sulfur dioxide — Performance characteristics of automated measuring methods* (MOD)