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**Methods for determination of nitrogen
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 Association Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Environmental Measurement and 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 0104: 2000** is replaced with this Standard.

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Methods for determination of nitrogen oxides in flue gas

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 11564 published in 1998 with some modifications of the technical contents by addition of the matters not specified in the corresponding International Standard and deletion of parts of the corresponding matters.

The portions with continuous sidelines or dotted underlines in this Standard 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 JB. Annex JA specifies the matters not in the corresponding International Standard.

1 Scope

This Standard specifies the methods to determine nitrogen oxides contained in flue gas.

The flue gasses stated in this Standard are defined as the gases which are exhausted into a flue, chimney, duct, etc. from such processes as fuel combustion, metal surface treatment, inorganic and organic chemical reaction and denitration process.

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

ISO 11564:1998 *Stationary source emissions—Determination of the mass concentration of nitrogen oxides—Naphthylethylenediamine photometric 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 B 7982	<i>Automated measuring systems and analyzers for nitrogen oxides in flue gas</i>
JIS K 0050	<i>General rules for chemical analysis</i>
JIS K 0055	<i>General rules for calibration method of gas analyzer</i>
JIS K 0095	<i>Methods for sampling of flue gas</i>
JIS K 0115	<i>General rules for molecular absorptiometric analysis</i>