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Methods for determination of dinitrogen monoxide in flue gas

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Foreword

This Japanese Industrial Standard has been 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 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.

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Introduction

This Japanese Industrial Standard has been established to standardize methods for analysis of dinitrogen monoxide performed in laboratories equipped with necessary analytical devices.

No corresponding International Standard has been established at this point.

1 Scope

This Standard specifies the methods for determination of dinitrogen monoxide in flue gas which results from combustion or chemical reaction, etc. and is exhausted through flue, chimney, duct, etc.

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 7988	Continuous analyzers for dinitrogen monoxide in flue gas
JIS K 0050	General rules for chemical analysis
JIS K 0055	General rules for calibration method of gas analyzer
JIS K 0095	Methods for sampling of flue gas
JIS K 0114	General rules for gas chromatography
JIS K 0123	General rules for gas chromatography/mass spectrometry
JIS K 0211	Technical terms for analytical chemistry (General part)
JIS K 0214	$Technical\ terms\ for\ analytical\ chemistry\ (Chromatography\ part)$
JIS K 0215	$Technical\ terms\ for\ analytical\ chemistry\ (Analytical\ instrument\ part)$
JIS K 0216	$Technical\ terms\ for\ analytical\ chemistry\ (Environmental\ part)$
JIS K 1107	Nitrogen
JIS K 8125	Calcium chloride (for U-tube)
JIS K 8576	Sodium hydroxide
JIS K 8603	Soda lime (Reagent)
JIS M 8813	Coal and coke—Determination of constituents
JIS R 3503	Glass apparatus for chemical analysis
JIS Z 8401	Guide to the rounding of numbers
JIS Z 8808	Methods of measuring dust concentration in flue gas