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**Methods for determination of chlorine 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 and Chemical Analysis Association (JEMCA) 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 0106 : 1995** is replaced with this Standard.

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# Methods for determination of chlorine in flue gas

## 1 Scope

This Japanese Industrial Standard specifies the methods for determination of chlorine in flue gas (hereafter referred to as "analysis method").

The methods specified in this Standard are influenced by the coexistence of the oxidizing gases such as bromine, iodine, ozone, chlorine dioxide or the reducing gases such as hydrogen sulfide, sulfur dioxide in sample gas. Therefore, the methods in this Standard shall only be applied if their influence is negligible, or can be removed. For the influence of nitrogen dioxide, the applicable condition given for each method shall be referred to.

In addition, in this Standard, the flue gas means the gas generated by combustion or chemical reaction or the like, which is exhausted into flue, chimney, duct, etc. (hereafter referred to as "duct").

## 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 0095 *Methods for sampling of flue gas*
- JIS K 0115 *General rules for molecular absorptiometric analysis*
- JIS K 0127 *General rules for ion chromatographic analysis*
- JIS K 0557 *Water used for industrial water and wastewater analysis*
- JIS K 8005 *Reference materials for volumetric analysis*
- JIS K 8180 *Hydrochloric acid (Reagent)*
- JIS K 8355 *Acetic acid (Reagent)*
- JIS K 8443 *Potassium cyanide (Reagent)*
- JIS K 8500 *N,N-Dimethylformamide (Reagent)*
- JIS K 8574 *Potassium hydroxide (Reagent)*
- JIS K 8622 *Sodium hydrogen carbonate (Reagent)*
- JIS K 8625 *Sodium carbonate (Reagent)*
- JIS K 8637 *Sodium thiosulfate pentahydrate (Reagent)*
- JIS K 8659 *Starch, soluble (Reagent)*
- JIS K 8913 *Potassium iodide (Reagent)*