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## (JEMCA/JSA)

## Methods for determination of ammonia in flue gas

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In the event of any doubts arising as to the contents,
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## Foreword

This Japanese Industrial Standard has been 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)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS K 0099**: 2004), which has been technically revised.



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# Methods for determination of ammonia in flue gas

## 1 Scope

This Japanese Industrial Standard specifies the methods for determination of ammonia in flue gas which is generated by combustion, chemical reaction, denitration process, metal surface treatment process or the like exhausted out to flue, chimney, duct, etc. (hereafter referred to as a 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 chromatography*

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 0557 *Water used for industrial water and wastewater analysis*

JIS K 8001 *General rules for test methods of reagents*

JIS K 8005 *Reference materials for volumetric analysis*

JIS K 8116 *Ammonium chloride (Reagent)*

JIS K 8228 *Magnesium perchlorate (Reagent)*

JIS K 8230 *Hydrogen peroxide (Reagent)*

JIS K 8355 *Acetic acid (Reagent)*

JIS K 8519 *Oxalic acid dihydrate (Reagent)*

JIS K 8541 *Nitric acid (Reagent)*

JIS K 8576 *Sodium hydroxide (Reagent)*

JIS K 8625 *Sodium carbonate (Reagent)*

JIS K 8637 *Sodium thiosulfate pentahydrate (Reagent)*

JIS K 8659 *Starch, soluble (Reagent)*