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**Determination of the amount of chlorine
dioxide gas generated by sanitization
products — Small chamber method**

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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 Japan Chlorine Dioxide Industry Association (JCDIA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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Determination of the amount of chlorine dioxide gas generated by sanitization products — Small chamber method

1 Scope

This Japanese Industrial Standard specifies the method for determining, by use of a small chamber, the amount of chlorine dioxide gas generated and diffused into the air by a chlorine dioxide source.

It is applicable to single-use sanitization products designed for disinfection of indoor air.

2 Normative references

Part or all of the provisions of the following standards, 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 A 1901 *Determination of the emission of volatile organic compounds and aldehydes by building products — Small chamber method*

JIS K 0127 *General rules for ion chromatography*

JIS K 0557 *Water used for industrial water and wastewater analysis*

JIS K 0804 *Gas detector tube measurement system (Length-of-stain type)*

JIS K 8622 *Sodium hydrogen carbonate (Reagent)*

JIS K 8625 *Sodium carbonate (Reagent)*

JIS K 8913 *Potassium iodide (Reagent)*

JIS Z 8401 *Rounding of numbers*

JIS Z 8703 *Standard atmospheric conditions for testing*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1

small chamber

container which has the inlet and outlet for circulating the air and is capable of controlling the condition for measuring the generation amount of chlorine dioxide gas diffused from a chlorine dioxide source

3.2

sample gas