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## (JAPPI/AIST/JSA)

# Test method of chemical durability of Bone China tableware against cleaning



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

## 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 Association for the Promotion of Pottery Industry (JAPPI)/National Institute of Advanced Industrial Science and Technology (AIST)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.



Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

# Test method of chemical durability of Bone China tableware against cleaning

## 1 Scope

This Japanese Industrial Standard specifies the test methods of chemical durability of decorated bone china tableware (hereafter referred to as bone china tableware) to determine colour degradation caused by cleaning using dishwashing machines.

The methods for decoration are not limited to over glazed decoration. This standard is not applicable to bone china tableware decorated with gold and silver paint.

## 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 0557 *Water used for industrial water and wastewater analysis*

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

JIS K 8288 *Trisodium citrate dihydrate (Reagent)*

JIS K 8576 *Sodium hydroxide (Reagent)*

JIS K 8625 *Sodium carbonate (Reagent)*

JIS L 0804 *Grey scale for assessing change in colour*

JIS S 2401 *Bone china tablewares*

JIS Z 8720 *Standard illuminants and sources for colorimetry*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS S 2401** apply.

## 4 Principle

A specimen (unused bone china tableware) is immersed in alkaline dipping test liquid, controlled at a certain temperature, for a certain length of time, and the colour degradation on the surface of the specimen before and after the dipping is determined by visual inspection using a grey scale for assessing change in colour.

## 5 Reagents

The reagents shall be as follows.

a) **Sodium hydroxide**, as specified in **JIS K 8576** or 1 mol/L sodium hydroxide solution