Chinastandards.org

CCS Q31

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3253.1-2012

Test method for resistance of sanitary wares. Part 1: Chemical resistance and staining resistance

卫生陶瓷性能检测方法 第1部分：耐化学腐蚀和耐污染性能

(English Translation)

Issued on: October 23, 2012 **Implemented on: May 1, 2013**

Issued by: General Administration of Customs

Preview: page 1 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3253-1-2012

Chinastandards.org

Table of Contents

Foreword

1 Scope

2 Normative references

3 PRINCIPLE OF THE METHOD

4 Reagents and materials

Foreword

SN/T 3253 "sanitary ceramics performance test method" is divided into two parts.

--- Part 1. resistance to chemical corrosion and stain resistance properties;

--- Part 2. Resistance load safety performance.

This section SN/T Section 13253 of.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section gives two test methods. Methods A reference to AS1976.1992 "vitreous china sanitary ware" pollution and corrosion resistant Content detection method, Method B reference to EN13310:2003 "kitchen sink - Functional requirements and test methods", EN14428:2004 A1.2008 (E) "shower - Functional requirements and test methods" and EN14688:2006 "sanitary ware wash basins - Functional requirements and test methods" the content on resistance to pollution and corrosion detection method.

This section proposed and managed by the National Certification and Accreditation Administration Committee.

1 Scope

SN/T 3253 provisions of this part of the wash basin, toilet, water tank, Pissing, bidet, bathtubs, shower trays, ceramic sanitary sink, etc.

Porcelain resistant to chemical corrosion and stain resistance performance test method.

This section applies to chemical corrosion and stain resistance performance testing of sanitary ceramics products.

Preview: page 2 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3253-1-2012

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 Analysis

3 PRINCIPLE OF THE METHOD

Contact with chemicals, food, cleaning agents case, the direct effect of chemicals and dye analog sanitary ceramics in the course of the test Sample, then the sample and the reference sample comparison of observed changes in the sample glazed, in order to determine resistance to chemical corrosion and sanitary ceramics Corrosion and fouling resistance.

4 Reagents and materials

Unless otherwise stated in this section are consistent with the use of analytical reagent and GB/T 6682 analytical laboratory use in the analysis.

4.1
acetic acid solution, weighed 100mL glacial acetic acid (rho1.049g/mL), diluted with water to 1000mL.

4.2
citric acid solution, 100g/L.

4.3
hydrochloric acid solution, 500mL amount of hydrochloric acid (rho1.19g/mL), diluted with water to 1000mL.

4.4
Sodium hydroxide solution, 50g/L.

4.5
sodium stearate, 1.5g/L.

4.6
sulfuric acid solution, 30mL amount of sulfuric acid (rho1.84g/mL), while stirring slowly into an appropriate amount of water, cooled to room temperature diluted with water to 1000mL.

WARNING. Improper dilution risk prone 4.7 ethanol was weighed 700mL ethanol, diluted with water to 1000mL.

Preview: page 3 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3253-1-2012

Chinastandards.org

4.8

sodium hypochlorite solution, available chlorine is not less than 5%, amount of available chlorine 500mL mass fraction greater than or equal to 10% of sodium hypochlorite, plus Diluted with water to 1000mL.

4.9

methylene blue solution, 10g/L.

4.10

sodium chloride solution, 85g/L.

4.11

alumina suspension, weighed 50g of alumina, was added 1000mL of water, stirred with a magnetic stirrer 12h.

Preview: page 4 of 4 shown, 6 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/sn-t-3253-1-2012