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**Enamelling hot-water units in store type**  
**贮水式热水器搪瓷制件**

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## **Foreword**

Combined with the actual production status of enamel products of heater, this standard is formulated based on Annex C, prEN 12897-1997 Anticorrosion of Enamel Liner and Anode of Enamelling Sheet Steel.

Annex A herein is normative which specifies the enamel liner's test device for resistance to hot water.

Annex B herein is informative which introduces the standard protection current test to better control enamel defaults.

This standard is proposed by China Light Industry Association.

This standard is under jurisdiction of China Standardization Center on Enamel Products.

This standard is drafted by Donghua University, National Inspection & Testing Center for Ophthalmic Optics Glass and Enamel Products, Fulu (Ningbo) Power Coating Co., Ltd., Hunan Lifa Pigment Chemical Co., Ltd., and Ningbo SACON Heater Co., Ltd.

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# Enamel Products of Storage Water Heater

## 1. Scope

This standard specifies the requirements, test method, inspection rules, marking, package and transportation and storage of the enamel parts of storage water heater under 1000L.

This standard is applicable to the enamel products of electric storage water heater and gas water heater.

## 2. Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 2828-1987 Sampling procedures and tables for lot-by-lot inspection by attributes  
(Apply to inspection of successive lots or batches)

GB 4706.12-1995 Safety of household and similar electrical appliances — Particular requirements for storage water heaters

GB/T 4956 Non-magnetic coatings on magnetic substrates--Measurement of coating thickness--Magnetic method

GB/T 9988-1988 Test method for alkali resistance of porcelain enamels

GB/T 9989 Vitreous and porcelain enamels--Determination of resistance to citric acid at room temperature

GB/T 12416.2 Glass-Hydrolytic resistance of glass grains at 121°C-Test method and classification

GB/T 13484-1992 Enamelled ware in contact with food

GB/T 13485 Standard test method for lead and cadmium released from enamelled ware in contact with food

QB/T 2109 Laboratory Glassware —Condenser

## 3. Requirements

### 3.1 Basic requirements

#### 3.1.1 Materials and design

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