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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 3241.7-2013

**Technical requirements for the inspection of household and
similar electrical appliances for import and export. Part 7:
Energy efficiency of electric-resistance storage water heaters
(English Translation)**

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Foreword

SN/T 3241 "Importers of household and similar electrical appliances test technical requirements" is divided into seven sections.

- Part 1. AC electric fans energy efficiency;
- Part 2. automatic rice cooker energy efficiency;
- Part 3. refrigerator energy efficiency;
- Part 4. room air conditioner energy efficiency;
- Part 5. cookers energy efficiency;
- Part 6. dishwashers energy efficiency;
- Part 7. storage-type electric water heater energy efficiency.

This section SN/T 3241 Part 7.

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

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

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

1 Scope

This section SN/T 3241 provisions for household and similar use of storage water heaters (hereinafter referred to as electric water heaters) energy efficiency limit Values, evaluating values of energy, efficiency grades, test methods and inspection rules.

This section applies to the grid voltage supply, rated voltage not exceeding 250V household and similar purposes and export of electric storage water the energy efficiency of the water test.

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.

GB/T 20289-2006 water heaters GB 21519-2008 storage-type electric water heater energy efficiency limit value and energy efficiency rating

3 Terms and Definitions

GB/T 20289-2006 define the following terms and definitions apply to this document.

Electric water heater energy efficiency limit

minimum allowable values of energy efficiency for electrical storage water heaters the most accordance with the test conditions specified in this standard, electric water heater allowed 24h inherent energy coefficient and maximum hot water output rate A small value.

Electric water heater energy conservation evaluation values

evaluating values of energy conservation for electrical storage water heaters in accordance with the test conditions specified in this part, the maximum energy-saving electric water heater allowed 24h intrinsic coefficient of energy consumption and hot water output rate Min.

4.1.1 Capacity

Electric water heater capacity should be consistent with GB/T 20289-2006 6.1 requirements.

4.1.2 24h inherent energy consumption coefficient 4.1.2.1 24h inherent energy coefficient calculated reference value Electric water heater 24h intrinsic energy reference value calculated according to Table 1 in the formula.