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**Hygienic Requirements for Sodium Hypochlorite
Generator**

次氯酸钠发生器卫生要求

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Table of Contents

Foreword.....	3
1 Scope.....	5
2 Normative References	5
3 Terms and Definitions	6
4 Main Component Requirements	6
5 Technical Requirements.....	6
6 Application Scope	8
7 Use Methods.....	8
8 Inspection Methods.....	10
9 Transportation, Storage and Packaging.....	11
10 Marking, Nameplate and Instruction Manual.....	11

Hygienic Requirements for Sodium Hypochlorite Generator

1 Scope

This Standard specifies the main component requirements, technical requirements, application scope, use methods, inspection methods, transportation, storage and packaging, as well as marking, nameplates and instruction manual of sodium hypochlorite generator.

This Standard is applicable to sodium hypochlorite generator that produce sodium hypochlorite disinfectant.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 191 Packaging – Pictorial Marking for Handling of Goods

GB 2721 National Food Safety Standard - Edible salt

GB/T 5462 Industrial Salt

GB 5749 Sanitary Standard for Drinking Water

GB/T 5750.6 Standard Examination Methods for Drinking Water - Metal Parameters

GB 14930.2 National Food Safety Standard-Disinfectant

GB 18466 Discharge Standard of Water Pollutants for Medical Organization

GB/T 20621 Generator of Complex Chlorine Dioxide by Chemical Reaction

GB 37488 Hygienic Indicators and Limits for Public Places

Technical Standard for Disinfection (2002 Edition) [Ministry of Health (WFJF [2002] No.282)]

Sanitation and Safety Evaluation Specifications for Drinking Water Disinfectants and Disinfection Equipment (Trial Implementation) [Ministry of Health (WJDF [2005] No.336)]

3 Terms and Definitions

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

3.1 Sodium hypochlorite generator

A device that uses salt or industrial salt solution electrolysis to produce sodium hypochlorite disinfectant.

3.2 Sodium hypochlorite disinfectant

A disinfectant with sodium hypochlorite as the main component, which is directly produced by the sodium hypochlorite generator and does not contain any added substances.

3.3 Available chlorine

The amount of chlorine equivalent to the oxidizing ability of chlorine-containing disinfectants, which is a symbol of the oxidizing ability of chlorine-containing disinfectants.

4 Main Component Requirements

4.1 Electrode requirements

Titanium, platinum, ruthenium, iridium and other metals and their coated electrodes shall be used to prepare sodium hypochlorite disinfectant. Graphite electrodes and lead dioxide electrodes shall not be used.

4.2 Display system

Instruments, switches, indicators, signs, etc. shall be installed firmly, reliably and safely. The voltage, current, power, flow and other parameters shall be displayed on the display screen.

5 Technical Requirements

5.1 Equipment requirements

5.1.1 It shall include some structures such as automatic salt melting, rectifying power

Disinfection (2002 Edition).

8.3 Flowrate

It shall be performed in accordance with the provisions of GB/T 20621.

8.4 Inspection of lead, copper and cadmium content

It shall be performed in accordance with the provisions of GB/T 5750.6.

8.5 Microbial killing effect

It shall be performed in accordance with the provisions of *Technical Standard for Disinfection* (2002 Edition).

9 Transportation, Storage and Packaging

9.1 Transportation

There shall be measures such as sun protection and rain protection during transportation; loading and unloading shall be avoided upside down; or storage and transportation shall be performed according to the order contract.

9.2 Storage

The products shall be stored in a cool, dry place and a clean room with good ventilation.

9.3 Packaging

9.3.1 The package marking shall comply with the requirements of the relevant specifications and standards of the label instructions of the disinfection product.

9.3.2 The graphic marking shall meet the requirements of GB/T 191.

10 Marking, Nameplate and Instruction Manual

10.1 Marking

10.1.1 Rated value, available chlorine content and range.

10.1.2 Mark the use scope and use method of the product in accordance with the provisions of Clauses 6 and 7.

10.1.3 Safety protection requirements for production environment, use environment, and disinfection operators.

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