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

GB 27948-2020

Replacing GB 27948-2011

General requirements for air disinfectant

空气消毒剂通用要求

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1 Scope

GB 27948-2020 is the Chinese national standard on general requirements for air disinfectant, in the field of health care technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 9 April 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2020. Classification: ICS 11.080, CCS C50. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This Standard specifies the requirements of raw materials, technical requirements, inspection methods, use methods, label instruction manual and precautions for the disinfectants used for indoor air disinfection. This Standard is applicable to indoor air disinfectants for the major purpose of killing microorganisms in the air, and can meet the requirements of disinfection.

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 26366 Hygienic Standard for Chlorine Dioxide Disinfectant

GB/T 26371 Hygienic Standard for Peroxide Disinfectants Technical Standard for Disinfection (2002 Edition) [Ministry of Health (WFJF (2002) No.282)]

3 Terms and Definitions

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

3.1 Air disinfection Use disinfectant to kill pathogenic microorganisms suspended in the air in the closed room, so as to achieve harmless treatment.

3.2 Air disinfectant Disinfectant used for air disinfection.

3.3 Aerosol sprayer The sprayer that may occur the atomized particle diameter range below 50 μ m, of which

5.3.2 Metal corrosion The metal corrosion test shall be carried out, and the corrosion level shall be indicated in the instruction manual of the product.

6 Inspection Methods

6.1 Test of physical and chemical indicators It shall be carried out as per the provisions of relevant standard.

6.2 Evaluation method of disinfection effect Test according to the relevant provisions of Technical Standard of Disinfection (2002 Edition); thereof, the identification test method of air disinfectant neutralizer can refer to Appendix A.

6.3 Safety inspection method

6.3.1 Inspection methods of toxicological indicators Test according to the relevant provisions of Technical Standard of Disinfection (2002 Edition).

6.3.2 Inspection method of metal corrosion Inspect according to Appendix B.

7 Use Methods

Disinfection may be conducted by aerosol spray, heating vaporization fumigation or gas fumigation.

8 Label, Instruction Manual and Precautions

8.1 The label and instruction manual of the product shall comply with the requirements of the relevant specifications and standards of the disinfectant product label instruction manual, and shall indicate that it can only be used for air disinfection under unmanned conditions.

8.2 When preparing and using the air disinfectant, pay attention to the personal protection;

wear the protective mark, protective glasses and protective gloves. If necessary, use the comprehensive respirator. If inadvertently contact, immediately use

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