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# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# SN/T 3122-2012

## Test method for antibacterial capability of inorganic antibacterial agents

无机抗菌材料抗菌性能试验方法

**(English Translation)**

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## Foreword

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

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

This standard was drafted. People's Republic of China Liaoning Entry-Exit Inspection and Quarantine Bureau inspection, Northeastern University.

## 1 Scope

This standard specifies the test methods for the determination of inorganic antibacterial materials antibacterial properties.

This standard applies to the determination of inorganic antibacterial materials and thin-film type inorganic antibacterial powder material in antibacterial properties.

## 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.

The total number of school inspection colonies GB 4789.2 National Food Safety Standard Determination of Food Microbiology GB/T 6679 General rules for sampling solid chemical products GB 19489 General requirements for laboratory biosafety

## 3 Method summary

Thin-film inorganic antibacterial materials. The method by quantitative bacterial inoculation to be on the test sample, using foil method makes uniform contact with the bacteria sample



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Board, after a certain time of the culture, the test sample of the number of viable cells, and calculate the sterilization of the samples.

Powder type inorganic antibacterial materials. under specified conditions, measured by primitive bacteria colony counting method by powder-type inorganic antibacterial materials handling After the number of viable cells, calculate the sterilization rate.

## 4 Terms and Definitions

The following terms and definitions apply to this document.

Antibacterial bacteriostasis Inhibit bacteria or fungi and other microbial growth and reproduction and its active role.

Sterilization Having to kill bacterial or fungal growth and reproduction role.

Antibacterial Having to kill or inhibit bacterial or fungal reproductive life and its active role.

Inorganic antibacterial materials inorganicantibacterialagents it has an antibacterial effect of inorganic material.

## 5 Sampling and sample preparation

### 5.1

Sampling and sample preparation carried out according to GB/T 6679 regulations.



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