



GB/T 17219-1998

Standard for safety evaluation of equipment and protective materials in drinking water system

生活饮用水输配水设备及防护材料的安全性评价标准

General Administration of Quality Supervision,
Inspection and Quarantine of the People's
Republic of China

Translated by Chemlinked

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Foreword

This standard is hereby formulated for the purposes of carrying out the “Administrative measures for the supervision of drinking water” and guaranteeing the physical health of the people.

This standard will be implemented since October 1, 1998.

Annexes A, B and C of this standard are all normative annex.

This standard was proposed by the Ministry of Health of the People’s Republic of China.

This standard was drafted by the Institute for Environmental Health Monitoring of the Chinese Academy of Preventive Medicine.

The main drafters of this standard are: Qin Yuhui, Chen Yayan, Li Shuangli, Song Xiangdong and Tao Yi.

This standard is subject to the interpretation of the Institute for Environmental Health Monitoring of the Chinese Academy of Preventive Medicine upon the entrustment of the Ministry of Health.

National Standard of the People's Republic of China

GB/T 17219-1998

Standard for safety evaluation of equipment and protective materials in drinking water system

1 Scope

This standard specifies the standards for hygienic safety evaluation of water transmission/distribution equipment (water transmission/distribution pipes, equipment and mechanical components used in water supply system) and protective materials in drinking water system.

This standard is applicable to the materials or products that come into direct contact with drinking water and drinking water treatment chemicals. These materials or products refer to the water transmission/distribution pipes, equipment and mechanical components (such as valves, chlorinators and water treatment chemical feeders, *etc.*) as well as the protective materials (such as coatings and linings, *etc.*) used in drinking water supply system.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB 5749-85 Sanitary standard for drinking water

GB/T 5750-85 Standard examination methods for drinking water

GB 7919-87 Procedures and methods of safety evaluation for cosmetics

GB/T 5009.69-1996 Method for analysis of hygienic standard of epoxy phenolic coatings for inner wall of food cans

GB 11934-89 Standard method for hygienic examination of acetaldehyde and acrolin in drinking water sources - Gas chromatography

3 Hygienic Requirements

3.1 Any water transmission/distribution equipment and protective materials that come into contact with drinking water shall not contaminate the water quality. The quality of outlet water of pipe system must meet the requirements of GB 5749.

3.2 Water transmission/distribution equipment and protective materials in drinking water system must undergo immersion test separately according to the provisions in Annexes A and B

3.3 The immersion water needs to be determined according to the methods specified in Annexes A and B. The test results must comply with the provisions in Table 1 and Table 2, respectively

Table 1 Hygienic requirements for immersion water of drinking water transmission/distribution equipment

Items	Hygienic requirements
Items specified in the sanitary standard for drinking water	
Color	With no increase in colority
Turbidity	With an increment of not more than 0.5 NTU
Odor and taste	Free from any abnormal odor and foreign taste
Visible substances to naked eyes	With no generation of any debris, <i>etc.</i> , visible to naked eyes
pH	With no change in pH
Iron	≤0.03 mg/L

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