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

GB/T 18204.6-2025

Replacing GB/T 18204.6-2013

**Examination methods for public places - Part 6: Technical
specifications of health monitoring**

公共场所卫生检验方法 第6部分：卫生监测技术规范

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1 Scope

This document specifies the frequency, sample size and sampling requirements, quality control and other technical requirements for hygienic monitoring for public places. It describes the verification method.

This Part is applicable to hygienic monitoring for public places. For other places, it shall follow this Part for implementation.

2 Normative references

GB/T 18204.1

GB/T 18204.2

GB/T 18204.3

GB/T 18204.4

GB/T 18204.5

3 Terms and definitions

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

3.1 Hygienic monitoring for public places

During the business hours in public places, environmental sample collection and testing

shall be carried out based on the evaluation of hygiene conditions.

3.2 Period with the peak flow of customers

During the business hours in public places, the period when the number of customers accounts for 70% or more of the designed maximum passenger capacity.

4 Frequency, sample size, and sampling requirements for

hygienic monitoring for public places

4.1 Hygienic monitoring of accommodation places such as hotels, inns, and guesthouses

4.1.1.1 Monitoring frequency. air quality monitoring shall be conducted once in the

morning and once in the afternoon of the same day; the frequency of routine health supervision and monitoring can be carried out according to relevant regulations.

4.1.1.2 Monitoring sample size. monitor frequently used guest rooms. Sampling under

normal usage conditions. For places with less than or equal to 100 guest rooms, 3%~5% of the number of guest rooms shall be selected for monitoring. For places with more than 100 guest rooms, 1%~3% of the number of guest rooms shall be selected for monitoring. And the number of monitored guest rooms in each location shall not be less than 3. One measuring point shall be set up for each room with an indoor area of less than 50 m². Set up 2 measuring points for rooms with an indoor area of 50 m²~200 m².

Set up 3~5 measuring points for rooms with an indoor area greater than 200 m².

4.1.1.3 Sampling requirements. the sampling method for monitoring physical indicators

shall comply with GB/T 18204.1. The sampling method for monitoring chemical indicators shall comply with GB/T 18204.2. The sampling method for monitoring air microbial indicators shall comply with GB/T 18204.3. Record the status of the air conditioning switch, sampling height, temperature and humidity, and other environmental conditions during sampling.

4.1.2.1 Monitoring frequency. the frequency requirements for monitoring drinking

water (including pipeline direct drinking water) are the same as those in 4.1.1.1.

Monitor shower water at least once a year in both summer and winter.

4.1.2.2 Monitoring sample size. the number of guest rooms for monitoring drinking

water and shower water shall be the same as 4.1.1.2. Collect 2 drinking water samples and 2 bath water samples in each room. If there is direct drinking water through pipelines, two additional water samples shall be taken.

4.1.2.3 Sampling requirements. Refer to GB/T 5750.2 to collect drinking water samples.

Collect 500 mL of hot water normally used for showerheads or bathtub faucets for physical and chemical testing. Collect 500 mL of cold water normally used for showerheads or bathtub faucets for microbiological testing.

4.2 Hygienic monitoring of theaters, music halls, video halls (rooms), amusement

halls, dance halls and other places 4.2.1 Indoor air in theaters, music halls, video halls (rooms), etc.

4.2.1.1 Monitoring frequency. air quality monitoring is conducted once during the

period with the peak flow of customers and the off-peak period of the day. The frequency of routine health supervision and monitoring can be carried out according to relevant regulations.

4.2.1.2 Monitoring sample size. 20% of the number of internal business halls/rooms

shall be selected, and the number of monitoring business halls/rooms shall not be less than one. Install 1~2 measuring points in business halls/rooms with less than 300 seats.

Arrange 2~3 measuring points in a business hall/room with a seating capacity of 300~ 500 A business hall/room with 501~1000 seats is equipped with 3~4 measuring points.

Install 5 measuring points in business halls/rooms with more than 1000 seats.

4.2.1.3 Sampling requirements. select frequently used business areas. The testing height

shall be consistent with the height of the breathing belt. Measurement points shall avoid open air vents, ventilation ducts, etc. The sampling method for monitoring physical indicators shall comply with GB/T 18204.1. The sampling method for monitoring chemical indicators shall comply with GB/T 18204.2. The sampling method for monitoring air microbial indicators shall comply with GB/T 18204.3. Record the status of the air conditioning switch, sampling height, temperature and humidity, and other environmental conditions during sampling.

4.2.2 Indoor air in amusement halls, dance halls, etc.

4.2.2.1 Monitoring frequency. same as 4.2.1.1.

4.2.2.2 Monitoring sample size. install one monitoring point in places with a business

area of less than 50 m². Install 2 measuring points in a venue with a business area of 50 m²~200 m². Set up 3 to 5 measuring points in places with a business area >200 m².

4.2.2.3 Sampling requirements. same as 4.2.1.3.

4.3.1 Indoor air

4.3.1.1 Monitoring frequency. same as 4.2.1.1.

4.3.1.2 Monitoring sample size. the business area of the venue shall be classified and calculated according to different functional areas (such as bathrooms, swimming pools,

4.4.2 Monitoring sample size. beauty salons shall sample 20% of the number of beauty rooms, and each beauty venue shall monitor no less than 2 beauty rooms. Each beauty room is equipped with one measuring point. When the business area of a beauty salon is < 50 m², one measuring point shall be set up on the premises. When the business area is between 50 m²~200 m², two measuring points shall be set up in the venue. When the business area is >200 m², the venue shall be equipped with 3~5 measuring points.

4.4.3 Sampling requirements. select frequently used business areas. Measurement

points shall avoid open air vents, ventilation ducts, etc. The sampling method for monitoring physical indicators shall comply with GB/T 18204.1. The sampling method for monitoring chemical indicators shall comply with GB/T 18204.2. The sampling method for monitoring air microbial indicators shall comply with GB/T 18204.3.

Record the status of the air conditioning switch, sampling height, temperature and humidity, and other environmental conditions during sampling. Places that have both beauty and hairdressing areas shall be sampled in different zones.

4.5 Indoor air hygienic monitoring of sports venues

4.5.1 Monitoring frequency. same as 4.2.1.1.

4.5.2 Monitoring sample size. two monitoring points are set up in places with a business area < 1000 m². Set up three measuring points in a location with a business area of 1000 m²~5000 m². Install 5 measuring points in places with a business area >5000 m².

4.5.3 Sampling requirements. same as 4.2.1.3.