



201819000873

Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Test Report Number: JKK20020003A(R)

Sample Name: Hydrogen Peroxide Sterilizer

Commissioned by: Wuxi BioTeke Co., Ltd.

2020.2.17

Description

1. This inspection report is only responsible for the samples submitted for inspection.
2. The alteration, addition, deletion of this inspection report is invalid, and the unseal of the unit's official seal is invalid, and the copy is invalid.
3. If there is any objection to this inspection report, a review application can be submitted within 30 days from the date of receipt of the report, and it will not be accepted after the deadline.
4. This inspection report and the name of the inspection unit shall not be used for product labeling, advertising, evaluation and product promotion.
5. The technical inspection report is made in triplicate, two copies are submitted to the commission company, and one is filed by the inspection agency.

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Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Sample acceptance number: JKK20020003

Sample name	Hydrogen peroxide sterilizer	Number of samples	1
Production date or batch number	2020.1.8/DS1001202001001	Sample properties	Machine and supporting disinfectant
Model specifications	DS1000、DS1001、DS1002	Trademark	BioTeke
Commissioned by	Wuxi BioTeke Co., Ltd.	Pick up date	2020-02-03
Production company	Area A, 4th floor, 1719-5, Huishan Avenue, Wuxi City, Jiangsu Province	Inspection completion date	2020-02-06

Test basis:

《Disinfection Technical Specifications》 (2002 edition) 2.1.3.

Evaluation basis:

《Disinfection Technical Specifications》 (2002 edition)

Test conclusions:

1. The content of the active ingredient hydrogen peroxide in the disinfecting solution of the sample "hydrogen peroxide sterilizer" was 356 g/L.
2. The pH value (25 °C) of the disinfecting solution of the sample "hydrogen peroxide sterilizer" was 1.44.

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Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Sample acceptance number: JKK20020003

Sample name	Hydrogen peroxide sterilizer	Pick up date	2020-02-03
Inspection item	Effective content (hydrogen peroxide)	Inspection completion date	2020-02-06

I. Equipment

1. Test sample: Disinfection solution for hydrogen peroxide sterilizer.
2. Reagent name and concentration: sulfuric acid solution with a concentration of 2mol / L; manganese sulfate solution with a concentration of 100g / L.
3. Name and concentration of standard solution: potassium permanganate standard solution with a concentration of 0.02777mol / L.

II. Method

1. Test basis: 《Technical Specifications for Disinfection》 (2002 edition) 2.2.1.2.4 Determination of hydrogen peroxide content.
2. Testing conditions: The ambient temperature is 17.9°C and the relative humidity is 85%.
Test repeat times: 2 times.

III. Results

After testing, the content of hydrogen peroxide in the hydrogen peroxide solution used in the sample was 356 g / L. The results are shown in Table 1.

Table 1. Test results of hydrogen peroxide content in the disinfectant solution of hydrogen peroxide sterilizer

Sample Name	Test Number	Consumption of standard solution for blank reaction, mL	Consumption of standard solution for sample reaction, mL	Hydrogen peroxide content, g/L	average value, g/l
Supporting disinfectant solution for hydrogen peroxide sterilizer	1-1	0.00	30.09	355.3	356
	1-2	0.00	30.17	356.3	

IV. Conclusion

The content of the active ingredient hydrogen peroxide in the disinfecting solution of the sample "hydrogen peroxide sterilizer" was 356 g/L.

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Guangzhou CAS Test Technical Services Co., Ltd.

Test Report

Sample acceptance number: JKK20020003

Sample name	Hydrogen peroxide sterilizer	Pick up date	2020-02-03
Inspection item	pH value	Inspection completion date	2020-02-06

I. Equipment

1. Test sample: Disinfection solution for hydrogen peroxide sterilizer.
2. Test equipment: acidity meter, model: PHS-25.
3. Calibration buffer solution for calibration:
Potassium hydrogen phthalate solution pH (25°C) = 4.00
Phosphate buffer solution pH (25°C) = 6.86
Borate standard buffer solution pH (25°C) = 9.18

II. Method

1. Test basis: 《Technical Specifications for Disinfection》 (2002 edition) 2.2.1.4 Determination of pH value.
2. Testing conditions: The ambient temperature is 17.9°C and the relative humidity is 75%.
Test repeat times: 2 times.
3. Sample detection: directly determine the pH value of the sample (25 ° C).

III. Results

After testing, the pH value (25°C) of this sample is 1.44, and the results are shown in Table 2.

Table 2. pH (25°C) test results of hydrogen peroxide in disinfectant solution of hydrogen peroxide sterilizer

Sample Name	Sample processing	Test number	pH value (25°C)	Average value
Supporting disinfectant solution for hydrogen peroxide sterilizer	Unprocessed	1-1	1.45	1.44
		1-2	1.44	

IV. Conclusion

The pH value (25°C) of the disinfecting solution of the sample "hydrogen peroxide sterilizer" was 1.44.

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