Test Report

Report No.20202040052

Product name: Hydrogen peroxide sterilizer

Model specifications: DS1001, DS1000, DS1002

Commissioned by: Wuxi BioTeke Co., Ltd.

Detection category: commissioned inspection

Jiangsu Electronic Information Product Quality Supervision and Inspection Institute (Jiangsu Information Security Evaluation Center)

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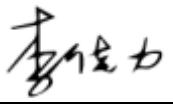
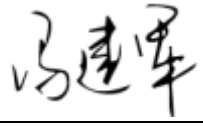
Test Report

<table>
<tr><td>Requester</td><td colspan="5">Wuxi BioTeke Co., Ltd.</td></tr>
<tr><td>Address</td><td colspan="5">Area A, 4th floor, No. 1719-5, Huishan Avenue, Huishan Economic Development Zone, Wuxi</td></tr>
<tr><td>Manufacturer company</td><td colspan="5">Wuxi BioTeke Co., Ltd.</td></tr>
<tr><td>sample name</td><td colspan="2">Hydrogen peroxide sterilizer</td><td colspan="2">Product trademark</td><td>/</td></tr>
<tr><td>Model specification</td><td colspan="5">DS1001</td></tr>
<tr><td>Number of samples</td><td>1 set</td><td>Production date or batch number</td><td>DS10011202001001</td><td>Sample date</td><td>2020.1.9</td></tr>
<tr><td>Sample way</td><td colspan="5">The client sends samples.</td></tr>
<tr><td>Test date</td><td colspan="5">2020.1.10 -2020.1.17</td></tr>
<tr><td>testing base</td><td colspan="5">GB 4793.1-2007《Safety requirements for electrical equipment for measurement, control and laboratory use-Part 1: General requirements》</td></tr>
<tr><td>Test conclusion</td><td colspan="5">The samples sent meet the requirements listed in the Test Basis column after being tested.</td></tr>
<tr><td>Prepared by</td><td colspan="2">  </td><td>Review</td><td>  </td><td rowspan="3">Special stamp for inspection
  </td></tr>
<tr><td rowspan="2">Ratify</td><td>Approved by: Qin Feng</td><td>Signature</td><td>  </td></tr>
<tr><td colspan="3">Approval date: 2020.1.21</td></tr>
<tr><td>Remarks</td><td colspan="4">/</td></tr>
</table>

Test results summary table

Detection group	Serial number	Test items	skills requirement	Number of samples	Number of unqualified	judgement result
/	1	Mark	GB 4793.1-2007 5.1-5.3	1	0	qualified
	2	Contact current	GB 4793.1-2007 6.2-6.3	1	0	qualified
	3	Ground resistance	GB 4793.1-2007 6.4-6.5	1	0	qualified
	4	Dielectric strength	GB 4793.1-2007 6.8	1	0	qualified
	5	Protection against mechanical hazards	GB 4793.1-2007 7	1	0	qualified
	6	Resistant to mechanical shock and impact	GB 4793.1-2007 8	1	0	qualified
Remarks		/				

Sample overview and test instructions:

1.Sample description

The product submitted for inspection is a hydrogen peroxide sterilizer.

The products submitted for inspection this time are series models, the specific models are DS1001, DS1000, DS1002. The differences between the models are only the model name and storage tank capacity. The rest include the same appearance, electrical principles, and internal structure.

The model number of this inspection: 1 #: DS1001.

2. Test instructions

Entrusted by Wuxi BioTeke Co., Ltd., our institute conducted a commissioned inspection of its DS1001 hydrogen peroxide sterilizer for inspection from January 10, 2020 to January 17, 2020. One sample was received in this test. One test was actually performed, and the test items and results are detailed in the test result summary table.

GB 4793.1-2007			
No.	**Requirement-Experiment**	**Result-Comment**	**Judgement**
5.1	Mark		Qualified
5.1.1	The required marking should be clearly visible from any surface, or	The mark is on the surface of the product body	Qualified
	…after opening the cover or door, or		/
	…after removing the frame or panel		/
	Required markings should not be marked on parts that are removable by the operator		Qualified
5.1.2	Identification; equipment should be marked as follows:		Qualified
	- Manufacturer's name or registered trademark	Wuxi BioTeke Co., Ltd.,	Qualified
	- Model, name or other identification method	hydrogen peroxide sterilizer DS1001	Qualified
5.13	power supply		Qualified
5.1.3a)	The nature of the power supply:		Qualified
	-AC: rated power frequency or frequency range	50/60 Hz	Qualified
	-DC: with symbol 1		
5.1.3b)	Rated value or rated voltage range of the supply voltage	AC220V	Qualified
5.1.3c)	Maximum power rating (using W or VA), or	5A	Qualified
	… Maximum rated input current		/
	Multiple voltage ranges		/
5.1.3d)	Operator can set equipment with different rated supply voltage	Not such equipment	/
5.1.3e)	Auxiliary power output socket that can be plugged into a standard power plug:	Without this part	/
5.1.4	Fuse		Qualified
	Identification of operator-replaceable fuses	F10AL250V	Qualified
5.1.5	Terminals, connectors and operating devices		Qualified
5.1.5.1	Terminal	Use of certified appliance input sockets	Qualified

5.1.5.2	Measuring circuit terminals	Without measuring circuit terminals	/
5.1.6	Switches and circuit breakers	Driven through a certified appliance input socket labeled I / O	Qualified
5.1.7	Equipment protected by double insulation or reinforced insulation		/
5.1.8	Field terminal box		/
5.2	warning sign	Meet the requirements	Qualified
5.3	Durability of markings; required markings should be legible under normal use	Marking resistance to rubbing	Qualified
6.2	Determination of accessible parts	Users cannot reach dangerous live parts	Qualified
6.2.1	Test finger check		Qualified
6.2.2	Openings above hazardous live parts	No openings above dangerous live parts	/
6.2.3	Cut-outs for preset controls	No preset controls	/
6.3	Permissible limits for accessible parts:		Qualified
6.3.1	-Values under normal conditions	Attached list 6.3	Qualified
6.3.2	-Value under single fault condition	Attached list 6.3	Qualified
6.4	Protection under normal conditions (see 6.8 and 8.1)	Internal live parts are inaccessible to users	Qualified
6.5	Protection under single fault conditions; providing additional protection as specified in 6.5.1 to 6.5.4, or		Qualified
	… Automatically disconnect the power supply		/
6.5.1	Protected connection		Qualified
6.5.1.1	Integrity of protected connection	Internal power supply, protective connection of metal shell is fixed by screws	Qualified
6.5.1.2	Protective conductor terminal	Appliance inlet	Qualified
6.5.1.3	Connection impedance of plug-in equipment	Attached list 6.5	Qualified
6.5.1.4	Connection impedance of permanently connected equipment		/
6.5.1.5	Indirect connection of measurement and test equipment		/
6.5.2	Double insulation and reinforced insulation (see 6.7, 6.8 and6.9.2)		Qualified
6.5.3	The protective impedance should be one		/

	or more of the following:		
	-a suitable single component with high integrity (see 14.6)		/
	-Combination of components		/
	-Combination of basic insulation and current or voltage limiting devices		/
	Components, wires and connections shall be sized as required		/
6.5.4	Automatic disconnection of power		/
6.8	Dielectric strength test	Attached list 6.8	Qualified

7	Protection against mechanical hazards		Qualified
7.2	Moving parts	Moving parts are protected by the shell	Qualified
7.3	Stability, test:		Qualified
	-10 ° tilt test	Stable without dumping	Qualified
	-Experiment with force applied in multiple directions	Stable without dumping	Qualified
	-Down force test	Stable without dumping	Qualified
7.4	Lifting and carrying device		/
	Carry handle or handle with 4 times the weight of the device		/
	Lifting and handling of 18kg equipment, or		/
	File description		/
7.5	Wall installation	Not such equipment	/
7.6	Scattered parts		/

8	Resistance to mechanical shock and impact		Qualified
8.1.1	Static test	Robust and reliable housing	Qualified
8.1.2	Dynamic test		Qualified
	Steel ball impact test	No damage after shell test	Qualified
8.2	Drop test		Qualified
8.2.1	Devices other than handheld and in-line devices		Qualified
	-Mass ≤20kg, corner drop test		/
	-Mass> 20kg but <100kg, surface drop test	50kg	Qualified
	-Stationary equipment and mass> 100kg, no test required		/
8.2.1.1	Corner drop test		/

8.2.1.2	Surface drop test	Drop at 30 °, no damage after test	Qualified
8.2.2	Handheld and in-line devices	Not such equipment	Qualified

6.3	Table: Permissible limit values for accessible parts				qualified
Test Part	Measured current value (mA)				Limit value(mA)
	Switch: On		Switch: Off		
	forward	reverse	forward	reverse	
Normal condition: LN-plastic case	0.007	0.006	0.006	0.006	0.5
Single fault: ground fault, LN-metal case	1.140	1.675	0.034	0.033	3.5

6.5	Table: Protective connection impedance			qualified
Test Part	Test current (A)	Test time(min)	Test value(Ω)	Limit value(Ω)
Ground-Distal metal part	25	1	0.010	0.1

6.8	Table: Dielectric strength		qualified
Test Part	Test voltage(V)	Whether breakdown(yes/no)	
LN-Accessible metal case	1390Vac	no	
LN-Plastic shell	3540Vac	no	

Sample photo

Figure 1. Sample appearance

Figure 2. Sample nameplate

statement

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2. The alteration of the report is invalid, the report is not prepared, reviewed, and the signature of the approver is invalid.
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5. If there is any test data provided by the customer in the report, the agency will not bear legal responsibility for it.
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9. The XX project in this report is a subcontracted project. The subcontractor (name of the institution is XX) has obtained CNAS approval (certificate number XX) and / or CMA approval (certificate number XX). (If applicable)

—End of report—