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Gmicro Testing



201819000883



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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report №.

2024SP08890R04E

Name of Sample

Silver ion generator
(disinfection and sterilization liquid manufacturing machine)

Applicant

Guangdong Kailian E-Commerce CO., LTD.

Test Type

Entrustment Test



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REPORT FOR ANALYSIS



Report №.) 2024SP08890R04E

Verification Code: 2YMX5NGU

Name of Sample	Silver ion generator (disinfection and sterilization liquid manufacturing machine)	Test Type	Entrustment Test
Applicant	Guangdong Kailian E-Commerce CO., LTD.	Address	NO.13 BLD 7, Jieyang International Metal Material Market, Rongcheng District, Jieyang, Guangdong
Sample Source	Submitted for Testing by the Applicant	Sample Quantity	One
Spec and Lot № of Sample	—	State and Characteristic	Machine
Sample Received Date	2024-07-25	Test Completion Date	2024-08-26
Item Tested	Suspension quantitative sterilization test		
Test Standard and Method	WS/T 650-2019 (5.2.1)		
Test Conclusion	The test data of the sample(s) is attached to the page(s) of this report. <div>Issue Date: 2024-09-26 (Official Seal) 检验检测专用章</div>		
Remarks			

Editor: Hu Shaofang

Verifier: Chen Ling

Approver: Li Liangqiu



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ANALYSIS AND TEST RESULT

Report №.: 2024SP08890R04E

Suspension quantitative sterilization test

1. Test method: WS/T 650-2019 (5.2.1)

2. Action time: 10 min

3. Action concentration: Stock solution

4. Test result:

Test organisms	Test times	Average cfu of testing groups (CFU/mL)	Average cfu of positive controls (CFU/mL)	Sterilization rate (%)
<i>Escherichia coli</i> 8099	1	<10	4.1×10^4	>99.98
	2	<10	4.1×10^4	>99.98
	3	<10	4.4×10^4	>99.98
<i>Staphylococcus aureus</i> ATCC 6538	1	<10	5.8×10^4	>99.98
	2	<10	6.1×10^4	>99.98
	3	<10	6.2×10^4	>99.98
<i>Candida albicans</i> ATCC 10231	1	<10	4.4×10^4	>99.98
	2	<10	3.4×10^4	>99.97
	3	<10	3.6×10^4	>99.97
<i>Trichophyton rubrum</i> CGMCC 3.629	1	30	4.8×10^4	99.94
	2	70	4.2×10^4	99.83
	3	50	5.0×10^4	99.90
<i>Trichophyton mentagrophytes</i> CGMCC 3.598	1	50	4.2×10^4	99.88
	2	60	4.3×10^4	99.86
	3	60	3.8×10^4	99.84
<i>Moraxella osloensis</i> CGMCC 1.10464	1	<10	2.4×10^4	>99.96
	2	<10	2.2×10^4	>99.95
	3	<10	2.4×10^4	>99.96

5. Conclusion: The concentration of the sample for the test was stock solution, and the action time was 10 min. The bactericidal rates of *Escherichia coli*, *Staphylococcus aureus*, *Candida albicans*, *Trichophyton rubrum*, *Trichophyton mentagrophytes*, and *Moraxella osloensis* were all > 99%, which was in line with the results of WS/T 650-2019 (5.2.1.7) (The bactericidal rate for the time specified in the instructions was $\geq 99\%$, The sample was judged to have strong antibacterial action against the tested strains under the test conditions.

(to continue)



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ANALYSIS AND TEST RESULT

Report No.: 2024SP08890R04E

Photo of the sample:



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