



中国认可
国际互认
检测
TESTING
CNAS L0599

Test Report

No: SHCPCH200301683E

Date: May 09 2020

Client name: Hangzhou Caring&Cleaning Commodity CO., LTD
Client address: NO.229 Xueyuan street, Jianggan District, Hangzhou
Zhejiang, China
Sample name: Alcohol Disinfection Wipes
Batch No./Date: CS022 EXP:20220303
Manufacturer: Hangzhou Caring&Cleaning Commodity CO., LTD

The above information and samples are provided and confirmed by the customer, and SGS is not responsible for confirming the accuracy, appropriateness and/or completeness of the information provided by the customer.

SGS job No.: SHCPCH200301683
SGS reference No.: /
Date of receipt: Mar 16 2020
Testing period: Mar 16 2020~ May 05 2020

Test(s) requested(selected test(s) as requested by applicant), test method(s), test result(s), test organism(s):

Please refer to next page

Remark:

- (1) The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.
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Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd

Authorized Signature Angela Yu



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Test Report

No: SHCPCH200301683E

Date: May 09 2020

TEST(S) REQUESTED:

Selected test(s) as requested by applicant:

Bactericidal activity test for the submitted sample(s)

TEST METHOD(S):

Ministry of health of the People's Republic of China, Technical Standard For disinfection (2002)

2.1.1.5 Neutralizer efficacy test method

Ministry of health of the People's Republic of China, Technical Standard For disinfection (2002)2.1.1.7

Bacteria quantitative sterilization test, 2.1.1.7.5 (1) Operation procedure of Carrier soak quantitative test

TEST ORGANISM(S):

Staphylococcus Aureus ATCC6538, *Escherichia Coli* 8099

CONCLUSION:

Test organisms	Test concentration	Test time (minute)	Test result (log reduction value of bactericidal)	The evaluation of Ministry of health of the People's Republic of China, Technical Standard For disinfection (2002) 2.1.1.7.7	Comment
<i>Escherichia Coli</i> 8099	stoste	1	>5.11	In product declare hygienic licensing test, it is required to three repeated tests at the specified concentration and three contact times according to product specifications.	Pass
			>5.12		
			>5.09		
		2	>5.13		
			>5.13		
			>5.11		
		3	>5.11	The log value of all carrier quantitative killing tests at the lowest concentration and the lowest action time specified in the product specifications≥3.00,the submitted sample can be judged to be qualified for disinfection.	Pass
			>5.12		
			>5.15		
<i>Staphylococcus Aureus</i> ATCC6538	stoste	1	>5.20	When test the product at the specified concentration and 0.5 times of the lowest action time, it is allowed that different bacteria or part of repeated test has fail results.	Pass
			>5.22		
			>5.21		
		2	>5.18		
			>5.19		
			>5.21		
		3	>5.19		
			>5.18		
			>5.19		



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TEST RESULT(S):

1) Neutralizer efficacy test

a.

Test organism: *Escherichia Coli* 8099

Neutralizer: TPS solution with 0.5% lecithin+5% Polysorbate 80

Concentration of test samples: stoste

Test time: 1min

Carrier: cloth

Test group		Average survival bacteria (CFU/piece)		
		Repeat 1	Repeat 2	Repeat 3
1.	Disinfectant + bacterial carriers→cultivate	<5	<5	<5
2.	(Disinfectant+ bacterial carriers) + neutralizer→cultivate	1.0×10^2	1.1×10^2	1.2×10^2
3.	neutralizer + bacterial carriers→cultivate	6.3×10^5	6.0×10^5	5.7×10^5
4.	(Disinfectant + neutralizer) + bacterial carriers→cultivate	5.7×10^5	5.8×10^5	5.7×10^5
5.	diluent+ bacterial carriers→cultivate	6.2×10^5	5.7×10^5	6.5×10^5
the error rate between test group 3,4,5		4%	2%	6%
6.	diluent+ neutralizer + medium→cultivate	No bacteria growth	No bacteria growth	No bacteria growth
The test evaluating of neutralizer		Pass	Pass	Pass
Comment		The selected neutralizer complies with standard requirements in identification test for <i>Escherichia coli</i> , can be used in the bactericidal test for <i>Escherichia Coli</i>		

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b.

Test organism: *Staphylococcus Aureus* ATCC6538 Neutralizer:

TPS solution with 0.5% lecithin+5% Polysorbate 80

Concentration of test samples: stoste

Test time: 1min

Carrier: cloth

Test group		Average survival bacteria (CFU/piece)		
		Repeat 1	Repeat 2	Repeat 3
1.	Disinfectant + bacterial carriers→cultivate	<5	<5	<5
2.	(Disinfectant+ bacterial carriers) + neutralizer→cultivate	65	70	75
3.	neutralizer + bacterial carriers→cultivate	5.6×10^5	5.5×10^5	5.6×10^5
4.	(Disinfectant + neutralizer) + bacterial carriers→cultivate	5.2×10^5	5.5×10^5	5.2×10^5
5.	diluent+ bacterial carriers→cultivate	5.3×10^5	5.7×10^5	5.4×10^5
the error rate between test group 3,4,5		3%	1%	3%
6.	diluent+ neutralizer + medium→cultivate	No bacteria growth	No bacteria growth	No bacteria growth
The test evaluating of neutralizer		Pass	Pass	Pass
Comment		The selected neutralizer complies with standard requirements in identification test for <i>Staphylococcus aureus</i> , can be used in the bactericidal test for <i>Staphylococcus aureus</i>		

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2) Bactericidal activity test

Test organisms	Test time (minute)	Test repeat times	Bacteria concentration (cfu/mL)	Log value of survival bacteria from control sample (N_0)	Log value of survival bacteria from sample (N_x)	log reduction value of bactericidal ($KL = N_0 - N_x$)
<i>Escherichia Coli</i> 8099	1	1	4.7×10^8	5.81	<0.70	>5.11
		2	4.7×10^8	5.82	<0.70	>5.12
		3	4.5×10^8	5.79	<0.70	>5.09
	2	1	4.7×10^8	5.83	<0.70	>5.13
		2	4.7×10^8	5.83	<0.70	>5.13
		3	4.5×10^8	5.81	<0.70	>5.11
	3	1	4.7×10^8	5.81	<0.70	>5.11
		2	4.7×10^8	5.82	<0.70	>5.12
		3	4.5×10^8	5.85	<0.70	>5.15
<i>Staphylococcus Aureus</i> ATCC6538	1	1	5.6×10^8	5.90	<0.70	>5.20
		2	5.3×10^8	5.92	<0.70	>5.22
		3	5.2×10^8	5.91	<0.70	>5.21
	2	1	5.6×10^8	5.88	<0.70	>5.18
		2	5.3×10^8	5.89	<0.70	>5.19
		3	5.2×10^8	5.91	<0.70	>5.21
	3	1	5.6×10^8	5.89	<0.70	>5.19
		2	5.3×10^8	5.88	<0.70	>5.18
		3	5.2×10^8	5.89	<0.70	>5.19

Remark:

Concentration of test samples: stoste

Carrier: cloth

Test Report

No: SHCPCH200301683E

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TEST(S) REQUESTED:

Selected test(s) as requested by applicant:
Bactericidal activity test for the submitted sample(s)

TEST METHOD(S):

Ministry of health of the People's Republic of China, Technical Standard For disinfection (2002)
2.1.1.5 Neutralizer efficacy test method
Ministry of health of the People's Republic of China, Technical Standard For disinfection (2002)
2.1.1.9 Fungi sterilization test: Carrier soak quantitative test

TEST ORGANISM(S):

Candida Albicans ATCC10231

CONCLUSION:

Test organisms	Test concentration	Contact time (minute)	Test result (log reduction value)	Requirement of Ministry of health of the People's Republic of China, Technical Standard For disinfection (2002) 2.1.1.9.6	Comment
<i>Candida Albicans ATCC10231</i>	stoste	1	2.87	In product declare hygienic licensing test, it is required to three repeated tests at the specified concentration and three contact times according to product specifications. The log value of all carrier quantitative killing tests at the specified concentration and the lowest action time, and the 1.5 times of the lowest action time specified in the product specifications ≥ 3.00 . When test the product at the specified concentration and 0.5 times of the lowest action time, it is allowed the log value < 3.00 , the submitted sample can be judged to be qualified effective dose for disinfection of fungal pollutant.	Pass
			2.76		
			2.86		
		2	3.23		
			3.33		
			3.28		
		3	> 5.10		
			> 5.07		
			> 5.06		



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TEST RESULT(S):

1) Neutralizer efficacy test

a.

Test organism: *Candida Albicans* ATCC10231

Neutralizer: TPS solution with 0.5% lecithin+5% Polysorbate 80

Concentration of test samples: stoste

Test time: 1min

Carrier: cloth

Test group		Average survival bacteria (CFU/piece)		
		Repeat 1	Repeat 2	Repeat 3
1.	Disinfectant + bacterial carriers→cultivate	3.2×10^2	3.8×10^2	3.6×10^2
2.	(Disinfectant+ bacterial carriers) + neutralizer→cultivate	1.2×10^3	1.2×10^3	1.2×10^3
3.	neutralizer + bacterial carriers→cultivate	6.0×10^5	6.0×10^5	5.7×10^5
4.	(Disinfectant + neutralizer) + bacterial carriers→cultivate	6.0×10^5	5.5×10^5	5.9×10^5
5.	diluent+ bacterial carriers→cultivate	5.5×10^5	6.0×10^5	5.9×10^5
the error rate between test group 3,4,5		4%	4%	1%
6.	diluent+ neutralizer + medium→cultivate	No bacteria growth	No bacteria growth	No bacteria growth
The test evaluating of neutralizer		Pass	Pass	Pass
Comment		The selected neutralizer complies with standard requirements in identification test for <i>Candida Albicans</i> , can be used in the bactericidal test for <i>Candida Albicans</i>		

2) Bactericidal activity test

Test organisms	Test time (minute)	Test repeat times	Bacteria concentration (cfu/mL)	Log value of survival bacteria from control sample (N_0)	Log value of survival bacteria from sample (N_x)	log reduction value of bactericidal ($KL = N_0 - N_x$)
<i>Candida Albicans</i> ATCC10231	1	1	3.7×10^8	5.77	2.90	2.87
		2	3.3×10^8	5.80	3.04	2.76
		3	3.3×10^8	5.78	2.92	2.86
	2	1	3.7×10^8	5.76	2.53	3.23
		2	3.3×10^8	5.79	2.46	3.33
		3	3.3×10^8	5.79	2.51	3.28
	3	1	3.7×10^8	5.80	<0.70	>5.10
		2	3.3×10^8	5.77	<0.70	>5.07
		3	3.3×10^8	5.76	<0.70	>5.06

Remark:

Concentration of test samples: stoste

Carrier: cloth

Sample Description: sample in bag



*** End of Report***

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