

Test Report

No: GZCPCH201005939E

Date: 2020-11-05

Client name: Fuzhou Juanjuan non-woven Products Co.,Ltd.
Client address: No. 65 Yangqi Road, Cangshan district, Fuzhou, Fujian Province
Sample name: 75% Alcohol wipes (50 wipes)
Batch No./Date: 20200917
Manufacturer: Fuzhou Juanjuan non-woven Products Co.,Ltd.

Above sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS job No.: GZCPCH201005939
Date of receipt: 2020-10-15
Testing period: 2020-10-15~2020-11-05

TEST(S) REQUESTED:

Selected test(s) as requested by applicant:
Please refer to next page(s).

TEST METHOD(S):

Please refer to next page(s).

TEST RESULT(S):

Please refer to next page(s).

This test report has been drafted in English and maybe translated into other languages, The English version shall prevail.

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Signed for and on behalf of SGS



Authorized Signature
Denny Li

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A:
Evaluation of bactericidal activity

TEST METHOD(S):

With reference to EN 1276-2019 Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic, and institutional areas-Test method and requirements (phase 2, step 1)

TEST RESULT(S):

a. Test organism: *Staphylococcus aureus* ATCC 6538

Validation and controls

Validation Suspension (Nv ₀)		Experimental conditions control (A)		Neutralizer or filtration control (B)		Method validation (C)	
\bar{X}	71	\bar{X}	55	\bar{X}	57	\bar{X}	57
30 ≤ \bar{X} of Nv ₀ ≤ 160? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of A is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of B is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of C is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test suspension and Test

Test-suspension (N and N ₀):	lgN	lgN ₀
	8.26	7.26
	7.17 ≤ lg N ₀ ≤ 7.70? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Contact time	lg Na	lg R	Bactericidal rate*
5 min	<2.15	>5.11	>99.99%

b. Test organism: *Escherichia coli* ATCC 10536

Validation and controls

Validation Suspension (Nv ₀)		Experimental conditions control (A)		Neutralizer or filtration control (B)		Method validation (C)	
\bar{X}	79	\bar{X}	68	\bar{X}	72	\bar{X}	58
30 ≤ \bar{X} of Nv ₀ ≤ 160? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of A is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of B is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of C is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test suspension and Test

Test-suspension (N and N ₀):	lgN	lgN ₀
	8.18	7.18
	7.17 ≤ lg N ₀ ≤ 7.70? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	



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Contact time	lg Na	lg R	Bactericidal rate*
5 min	<2.15	>5.03	>99.99%

c. Test organism: *Pseudomonas aeruginosa* ATCC 15442

Validation and controls

Validation Suspension (Nv ₀)		Experimental conditions control (A)		Neutralizer or filtration control (B)		Method validation (C)	
\bar{X}	69	\bar{X}	67	\bar{X}	63	\bar{X}	69
30 ≤ \bar{X} of Nv ₀ ≤ 160? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of A is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of B is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of C is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test suspension and Test

Test-suspension (N and N ₀):	lgN	lgN ₀
	8.34	7.34
	7.17 ≤ lg N ₀ ≤ 7.70? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Contact time	lg Na	lg R	Bactericidal rate*
5 min	<2.15	>5.19	>99.99%

d. Test organism: *Enterococcus hirae* ATCC 10541

Validation and controls

Validation Suspension (Nv ₀)		Experimental conditions control (A)		Neutralizer or filtration control (B)		Method validation (C)	
\bar{X}	89	\bar{X}	67	\bar{X}	63	\bar{X}	61
30 ≤ \bar{X} of Nv ₀ ≤ 160? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of A is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of B is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of C is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test suspension and Test

Test-suspension (N and N ₀):	lgN	lgN ₀
	8.23	7.23
	7.17 ≤ lg N ₀ ≤ 7.70? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Contact time	Lg Na	Lg R	Bactericidal rate*
5 min	<2.15	>5.08	>99.99%

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Remark:

1.Experimental conditions
 Product test concentrations: 80%
 Contact time: 5 min
 Test temperature: 20°C
 Interfering substance: 0.3g/L of bovine albumin
 Incubation temperature: 36°C
 Stability and appearance of the mixture during the procedure: test mixture were homogeneous
 Membrane filtration method, rising liquid: PBS

2.Explanation:

N: Number of survivors per ml in the test bacterial suspensions
 N₀: Number of survivors per ml in the test mixtures at the beginning of the contact time (time =0)
 Na: Number of survivors per ml in the test mixtures at the end of the contact time
 R = reduction (lg R= lg N₀ – lg Na)

B:

Evaluation of fungicidal activity

TEST METHOD(S):

With reference to EN 1650-2019 Chemical disinfectants and antiseptics-Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas-Test method and requirement(phase 2,step 1)

TEST RESULT(S):

a. Test Organism: *Candida albicans* ATCC 10231

Validation and controls

Validation Suspension (Nv ₀)		Experimental conditions control (A)		Neutralizer or filtration control (B)		Method validation (C)	
\bar{x}	66	\bar{x}	61	\bar{x}	62	\bar{x}	61
30 ≤ \bar{x} of Nv ₀ ≤ 160? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{x} of A is ≥ 0.5x \bar{x} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{x} of B is ≥ 0.5x \bar{x} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{x} of C is ≥ 0.5x \bar{x} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test suspension and Test

Test-suspension (N and N ₀):	lgN	lgN ₀
	7.30	6.30
	6.17 ≤ lg N ₀ ≤ 6.70? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Contact time	Lg Na	Lg R	Bactericidal rate*
15 min	<2.15	>4.15	>99.99%



b. Test Organism: *Aspergillus niger* ATCC 16404

Validation and controls

Validation Suspension (Nv ₀)		Experimental conditions control (A)		Neutralizer or filtration control (B)		Method validation (C)	
\bar{X}	49	\bar{X}	48	\bar{X}	46	\bar{X}	44
30 ≤ \bar{X} of Nv ₀ ≤ 160? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of A is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of B is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		\bar{X} of C is ≥ 0.5x \bar{X} of Nv ₀ ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Test suspension and Test

Test-suspension (N and N ₀):	lgN	lgN ₀
	7.18	6.18
	6.17 ≤ lg N ₀ ≤ 6.70? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

Contact time	Lg Na	Lg R	Bactericidal rate*
15 min	<2.15	>4.03	>99.99%

Remark:

1. Experimental conditions

Product test concentrations: 80%

Contact time: 15 min

Test temperature: 20°C

incubation temperature: 30°C

Interfering substance: 0.3g/L of bovine albumin

Stability and appearance of the mixture during the procedure: test mixture were homogeneous

Membrane filtration method, rising liquid: PBS

2.Explanation:

N: Number of survivors per ml in the test fungal suspensions

N₀: Number of survivors per ml in the test mixtures at the beginning of the contact time (time =0)

Na: Number of survivors per ml in the test mixtures at the end of the contact time

R = reduction (lg R= lg N₀ – lg Na)

* As the client's requirement, added Bactericidal rate.



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SAMPLE DESCRIPTION: Sample in bag(liquid)

Photo Appendix



*** End of Report***

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