**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.

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**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.**

**Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, and this document cannot be used for publicity without approval of the Company. It's not be allowed to copy testing report (except for copy of full text) without written approval.**
Signed for and on behalf of SGS


.....
Authorized Signature
Denny Li

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**) | |
|---|---|---|---|---|---|---|---|
| $\overline{X}$ | 71 | $\overline{X}$ | 55 | $\overline{X}$ | 57 | $\overline{X}$ | 57 |
| 30≤$\overline{X}$ of $Nv_0$≤160? [X]yes □no | | $\overline{X}$ of A is≥0.5x$\overline{X}$ of $Nv_0$? [X]yes □no | | $\overline{X}$ of B is≥0.5x$\overline{X}$ of $Nv_0$? [X]yes □no | | $\overline{X}$ of C is≥0.5x$\overline{X}$ of $Nv_0$? [X]yes □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? [X]yes □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) | |
|---|---|---|---|---|---|---|---|
| $\overline{X}$ | 79 | $\overline{X}$ | 68 | $\overline{X}$ | 72 | $\overline{X}$ | 58 |
| 30≤$\overline{X}$ of $Nv_0$≤160? [X]yes □no | | $\overline{X}$ of A is≥0.5x$\overline{X}$ of $Nv_0$? [X]yes □no | | $\overline{X}$ of B is≥0.5x$\overline{X}$ of $Nv_0$? [X]yes □no | | $\overline{X}$ of C is≥0.5x$\overline{X}$ of $Nv_0$? [X]yes □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? [X]yes □no | |

| 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) | |
|---|---|---|---|---|---|---|---|
| $\overline{X}$ | 69 | $\overline{X}$ | 67 | $\overline{X}$ | 63 | $\overline{X}$ | 69 |
| 30≤$\overline{X}$ of $Nv_0$≤160? ☒yes □no | | $\overline{X}$ of A is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □no | | $\overline{X}$ of B is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □no | | $\overline{X}$ of C is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □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? ☒yes □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) | |
|---|---|---|---|---|---|---|---|
| $\overline{X}$ | 89 | $\overline{X}$ | 67 | $\overline{X}$ | 63 | $\overline{X}$ | 61 |
| 30≤$\overline{X}$ of $Nv_0$≤160? ☒yes □no | | $\overline{X}$ of A is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □no | | $\overline{X}$ of B is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □no | | $\overline{X}$ of C is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □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? ☒yes □no | |

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

Remark:
1.Experimental conditions
Product test concentrations: 80%
Contact time: 5 min
Test temperature: 20℃
Interfering substance: 0.3g/L of bovine albumin
Incubation temperature: 36℃
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
$N_0$: 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 $N_0$ – 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) | |
|---|---|---|---|---|---|---|---|
| $\overline{X}$ | 66 | $\overline{X}$ | 61 | $\overline{X}$ | 62 | $\overline{X}$ | 61 |
| 30≤$\overline{X}$ of $Nv_0$≤160? | | $\overline{X}$ of A is≥0.5x$\overline{X}$ of $Nv_0$? | | $\overline{X}$ of B is≥0.5x$\overline{X}$ of $Nv_0$? | | $\overline{X}$ of C is≥0.5x$\overline{X}$ of $Nv_0$? | |
| [X]yes □no | | [X]yes □no | | [X]yes □no | | [X]yes □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? [X]yes □**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) | |
|---|---|---|---|---|---|---|---|
| $\overline{X}$ | 49 | $\overline{X}$ | 48 | $\overline{X}$ | 46 | $\overline{X}$ | 44 |
| 30≤$\overline{X}$ of $Nv_0$≤160? ☒yes □no | | $\overline{X}$ of A is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □no | | $\overline{X}$ of B is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □no | | $\overline{X}$ of C is≥0.5x$\overline{X}$ of $Nv_0$? ☒yes □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？ ☒yes □**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℃
incubation temperature: 30℃
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
$N_0$: 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 $N_0$ – lg Na)

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

**Test Report** **No: GZCPCH201005939E** **Date: 2020-11-05**

**SAMPLE DESCRIPTION:** Sample in bag(liquid)

Photo Appendix


*** End of Report***





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