

Date:

Sep 02, 2020

Fuzhou Juanjuan non-woven Products Co., Ltd. Applicant:

No.65 Yangqi Road, Cangshan district, Fuzhou, Fujian

Province

Sample Description:

One (1) style of submitted sample said to be :

Item Name 50 alcohol wipes.

Item Batch 20200605.

Manufacturer Fuzhou Juanjuan non-woven Products Co., Ltd.

Goods Export To Canada. Country of Origin China. Date Sample Received Aug 19, 2020



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested Sample Standard Result

Tested component(s) of BS EN 1276:2019 Chemical disinfectants and antiseptics submitted sample(s) 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)

Intertek GM Testing Service Zhuhai Co. Ltd.

Sarah Xu Asst. Manager Healthcare and Beauty Products

Pass

Page 1 of 4

Intertek GM Testing Service Zhuhai Co. Ltd. 珠海天祥粤澳质量技术服务有限公司

601, R&D and Testing Building, Guangdong-Macau Medical Science and Technology Industrial Park, No.2682 HuanDao North Road, HengQin New Area, Zhuhai, GD, China, 519031

Tel:+86756 2167557 www.intertek.com.cn www.intertek.com





Tests Conducted

Quantitative suspension test for evaluation of bactericidal activity of chemical disinfectants and antiseptics 1.

With reference to BS EN 1276:2019

Dilution recommended for use: No dilution 80% v/v Product test concentration: Active ingredient in product: Ethanol

Appearance: Colorless liquid

Contact time: 60s±5s (20±1)°C Test temperature:

0.3g/L bovine albumin (clean condition) Interfering substance:

Dilution-neutralization Inhibition method: Neutralizing solution: D/E neutralizing broth Incubation: (37±1)°C, 48 hours Trypticase Soy Agar Agar medium:

Escherichia coli K12 (NCTC 10538) Test culture:

Pseudomonas aeruginosa (ATCC 15442) Staphylococcus aureus (ATCC 6538) Enterococcus hirae (ATCC 10541)

Controls & validation:

<u>Test</u> microorganism	$\frac{\text{Validation}}{\text{suspension}}$ $\frac{\text{(cfu/ml)} \text{Nv}}{\text{(cfu/ml)}}$ $\frac{\text{Nv}_0=1/10\text{Nv}}{\text{Criteria:}}$ $300 \leqslant \text{Nv} \leqslant 1600$	Experimental conditions control (cfu/ml) A Criteria: A ≥0.5 Nv₀	Neutralizer control (cfu/ml) B Criteria: B ≥0.5 Nv₀	Method validation (cfu/ml) C Criteria: C ≥0.5 Nv₀	<u>Validity</u>
Escherichia coli K12 (NCTC 10538)	1000	68	62	86	Valid
Pseudomonas aeruginosa (ATCC 15442)	550	39	52	57	Valid
Staphylococcus aureus (ATCC 6538)	1000	100	95	97	Valid
Enterococcus hirae (ATCC 10541)	490	55	53	57	Valid

Page 2 of 4

Intertek GM Testing Service Zhuhai Co. Ltd. 珠海天祥粤澳质量技术服务有限公司

601, R&D and Testing Building, Guangdong-Macau Medical Science and Technology Industrial Park, No.2682 HuanDao North Road, HengQin New Area, Zhuhai, GD, China, 519031

Tel:+86756 2167557 www.intertek.com.cn www.intertek.com





Tests Conducted

Result:

Test microorganism	Initial suspension(N) (cfu/ml) N₀=1/10N Criteria: 1.5x10 ⁸ ≤N≤5.0x10 ⁸	Final count (cfu/ml) Na	R(Log ₁₀ Reduction) =Log N ₀ -Log Na Criteria: R ≥ 5.0	%Reduction Criteria: ≥99.999	Assessment
Escherichia coli K12 (NCTC 10538)	3.6x10 ⁸	<140	>5.0	>99.999	Meet
Pseudomonas aeruginosa (ATCC 15442)	2.4x10 ⁸	<140	>5.0	>99.999	Meet
Staphylococcus aureus (ATCC 6538)	4.0x10 ⁸	<140	>5.0	>99.999	Meet
Enterococcus hirae (ATCC 10541)	2.1x10 ⁸	<140	>5.0	>99.999	Meet

Remark:

Test suspension, Number of cells per ml in bacterial suspensions.

(N₀=1/10N), Number of cells per ml in the test mixtures at the beginning of the contact time N_0 (time 0).

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

Validation suspension, Number of cells per ml in bacterial suspensions. Nν

 $(Nv_0 = 1/10Nv)$, Number of cells per ml in the test mixtures at the beginning of the contact time Nv_0 (time 0).

Represent the different control test mixtures, A(experimental conditions control), A,B,C B(Neutralizer control), C(Method validation)

Criteria: According to BS EN 1276:2019, in order to satisfy the requirement of bactericidal efficacy of chemical disinfectants and antiseptics, the product shall demonstrate at least a 5 decimal logarithm (lg) reduction (3 lg for handwashes) of the specified test organisms under the obligatory sample contact time, test temperature, and the simulated clean conditions according to its practical applications when the product is tested at its intended use dilution.



Page 3 of 4



医药科技产业园研发检测大楼 601,519031



Tests Conducted

Sample received condition: Sample in closed original package.

Date sample received: Aug 19, 2020

Testing period: Aug 19, 2020 to Sep 01, 2020

The report is in both English and Chinese versions (GZHH0037679601&GZHH0037679602), when the Chinese version in conflict, the final interpretation is based the English version GZHH0037679601.

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek GM Testing Services Zhuhai Co.,Ltd.



Page 4 of 4



医药科技产业园研发检测大楼 601,519031