intertek
Total Quality. Assured.

Test Report Number: GZHH00366861

Applicant: JoCo Sales & Marketing Inc.
12100 Blue Valley Parkway, Overland Park,
Kansas 66213

Date: Jun 18, 2020

Sample Description:

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

Item Name : **GSD ANTIBACTERIAL 80 WET WIPES.**
Item Quantity : 5.
Date Sample Received : Jun 04, 2020

GZHH00366861

Ingredients List:

No.	CAS #	INGREDIENTS	WEIGHT %
1	8001-54-5	Benzalkonium Chloride	0.10%
2	123-03-5	HexadecylPyridinium Chloride	0.05%
3	104-29-0	Chlorphenesin	0.05%
4	57-55-6	Propanediol	0.20%
5	1406-18-4	Vitamin E	0.05%
6	85507-69-3	Aloe Vera Extract	0.10%
7	107-43-7	Amino acid moisturizer	0.10%
8	77-92-9	Citric acid	0.02%
9	56-81-5	Glycerol	0.50%
10	1968/4/2	Sodium citrate	0.02%
11	8001-54-5	Water	98.81%

****

Tests conducted:

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

****

Intertek GM Testing Service Zhuhai Co. Ltd.

Sarah Xu
Asst. Manager
Healthcare and Beauty Products

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

6/F, R&D and Testing/B, Guangdong-Macau TCM Park commercial Service center, 2522 Huan Dao Bei Road, Hengqin New Area, Zhuhai, China
中国珠海市横琴新座区环岛北路2522号粤澳合作中医药科技产业园研发检测大楼6楼

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

Test Report Number: GZHH00366861

Tests Conducted

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

With reference to BS EN 1276:2019

Dilution recommended for use:	No dilution
Product test concentration:	80% v/v
Active ingredient in product:	Benzalkonium chloride
Appearance:	Transparent colorless liquid
Contact time:	60s±5s
Test temperature:	(20±1) °C
Interfering substance:	0.3g/L bovine albumin (clean condition)
Inhibition method:	Dilution-neutralization
Neutralizing solution:	D/E neutralizing broth
Incubation:	(37±1) °C, 48 hours
Agar medium:	Trypticase Soy Agar
Test culture:	Escherichia coli K12 (NCTC 10538) Pseudomonas aeruginosa (ATCC 15442) Staphylococcus aureus (ATCC 6538) Enterococcus hirae (ATCC 10541) Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

Controls & validation:

Test microorganism	Validation suspension (cfu/ml) Nv Nv_0=1/10Nv **Criteria:** **300 ⩽ Nv ⩽ 1600**	Experimental conditions control (cfu/ml) A **Criteria:** **A ⩾0.5 Nv_0**	Neutralizer control (cfu/ml) B **Criteria:** **B ⩾0.5 Nv_0**	Method validation (cfu/ml) C **Criteria:** **C ⩾0.5 Nv_0**	Validity
Escherichia coli K12 (NCTC 10538)	950	91	88	97	Valid
Pseudomonas aeruginosa (ATCC 15442)	800	75	78	86	Valid
Staphylococcus aureus (ATCC 6538)	1000	88	89	96	Valid
Enterococcus hirae (ATCC 10541)	1000	78	85	97	Valid
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	900	95	96	90	Valid

****

Intertek GM Testing Service Zhuhai Co. Ltd.
珠海天祥粤澳质量技术服务有限公司
6/F, R&D and Testing/B, Guangdong-Macau TCM Park commercial Service center, 2522 Huan Dao Bei Road, Hengqin New Area, Zhuhai, China
中国珠海市横琴新座区环岛北路2522号粤澳合作中医药科技产业园研发检测大楼6楼
Tel:+86756 2167557
www.intertek.com.cn
www.intertek.com

Test Report Number: GZHH00366861

Tests Conducted

Result:

Test microorganism	Initial suspension(N) (cfu/ml) N_0=1/10N **Criteria: $1.5x10^8 \leq N \leq 5.0x10^8$**	Final count (cfu/ml) Na	R(Log_{10} Reduction) =Log N_0-Log Na	%Reduction
Escherichia coli K12 (NCTC 10538)	$4.1x10^8$	<140	>5.0	>99.999
Pseudomonas aeruginosa (ATCC 15442)	$1.8 x10^8$	$4.3 x10^3$	3.6	99.976
Staphylococcus aureus (ATCC 6538)	$4.2 x10^8$	<140	>5.0	>99.999
Enterococcus hirae (ATCC 10541)	$2.1 x10^8$	<140	>5.0	>99.999
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	$4.8 x10^8$	$4.1 x10^3$	>5.0	>99.986

Remark:

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

N_0 = (N_0=1/10N), Number of cells 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.

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

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

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

Sample received condition: sample in unopened original

package. Date sample received: Jun 04, 2020
Testing period: Jun 04, 2020 to Jun 17, 2020

****

End of report

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

6/F, R&D and Testing/B, Guangdong-Macau TCM Park commercial Service center, 2522 Huan Dao Bei Road, Hengqin New Area, Zhuhai, China
中国珠海市横琴新座区环岛北路2522号粤澳合作中医药科技产业园研发检测大楼6楼

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