Test Report **No: SHCPCH200503901** **Date: Jun 03 2020**

Client name:	Human Technologies (Aust) Pty Ltd(HiCare Health)
Client address:	11/67 Depot Street, Banyo, Queensland, 4014, Australia
Sample name:	HiCare Antibacterial Disinfectant Wipes 100 Cloth Pack
Date of manufacture Valid Period or Batch/Exp. Date:	20200430
Manufacturer:	Human Technologies (Aust) Pty Ltd (HiCare Health)
Buyer:	Human Technologies (Aust) Pty Ltd(HiCare Health)

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.:	SHCPCH200503901
SGS reference No.:	/
Date of receipt:	May 06 2020
Testing period:	May 06 2020~ May 28 2020

TEST(S) REQUESTED:
Selected test(s) as requested by applicant:
Evaluation of bactericidal activity

TEST METHOD(S):
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), CONCLUSION:
Please refer to the next page.

Remark: 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.

Unless otherwise stated, the results shown in this test report apply only to the sample(s) as received, and this document cannot be used for publicity without approval of the Company, not be allowed to copy testing report (except for copy of full text) without written approval.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd

检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Authorized Signature: Angela Yu

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing Center Cosmetics, Personal Care & Household
3rd Building, No.889, Yishan Road, Shanghai China 200233 t (86-21) 60645189 f (86-21) 60645127 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 60645189 f (86-21) 60645127 e sgs.china@sgs.com

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The test results are as follows:

CONCLUSION:
According to EN 1276-2019, the submitted sample tested under simulated clean conditions:
For strain(s) of Pseudomonas aeruginosa, Escherichia coli, Staphylococcus aureus, Enterococcus hirae the decimal log (lg) reduction in viability are > 5, comply with the requirement of EN 1276-2019 (The decimal log (lg) reduction in viable counts shall demonstrate at least 5)

TEST ORGANISM(S): *Escherichia coli ATCC 10536.*

Validation and controls

Validation Suspension (**Nv_0**)		Experimental conditions control (**A**)		Neutralizer or filtration control (**B**)		Method validation (**C**)	
$\overline{X}$	110	$\overline{X}$	65	$\overline{X}$	72	$\overline{X}$	68
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
	8.41	7.41
	7.17≤lg N_0≤7.70？ ☒**yes** □**no**	

Contact time (min)	**Lg Na**	**Lg R**
1min	<2.15	>5.26

TEST ORGANISM(S): *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	$\overline{X}$	43	$\overline{X}$	49	$\overline{X}$	46
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 (min)	**Lg Na**	**Lg R**
1min	<2.15	>5.08

TEST ORGANISM(S): *Pseudomonas aeruginosa* ATCC 15442.

Validation and controls

Validation Suspension (**Nv_0**)		Experimental conditions control (**A**)		Neutralizer or filtration control (**B**)		Method validation (**C**)	
$\overline{X}$	90	$\overline{X}$	56	$\overline{X}$	58	$\overline{X}$	60
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
	8.32	7.32
	7.17≤lg N_0≤7.70？ X**yes** □**no**	

Contact time (min)	**Lg Na**	**Lg R**
1min	<2.15	>5.17

TEST ORGANISM(S): *Enterococcus hirae* ATCC 10541.

Validation and controls

Validation Suspension (**Nv_0**)		Experimental conditions control (**A**)		Neutralizer or filtration control (**B**)		Method validation (**C**)	
$\overline{X}$	104	$\overline{X}$	68	$\overline{X}$	74	$\overline{X}$	74
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
	8.45	7.45
	7.17≤lg N_0≤7.70？ X**yes** □**no**	

Contact time (min)	**Lg Na**	**Lg R**
1min	<2.15	>5.30

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. Testing Center Cosmetics, Personal Care & Household
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Remark:

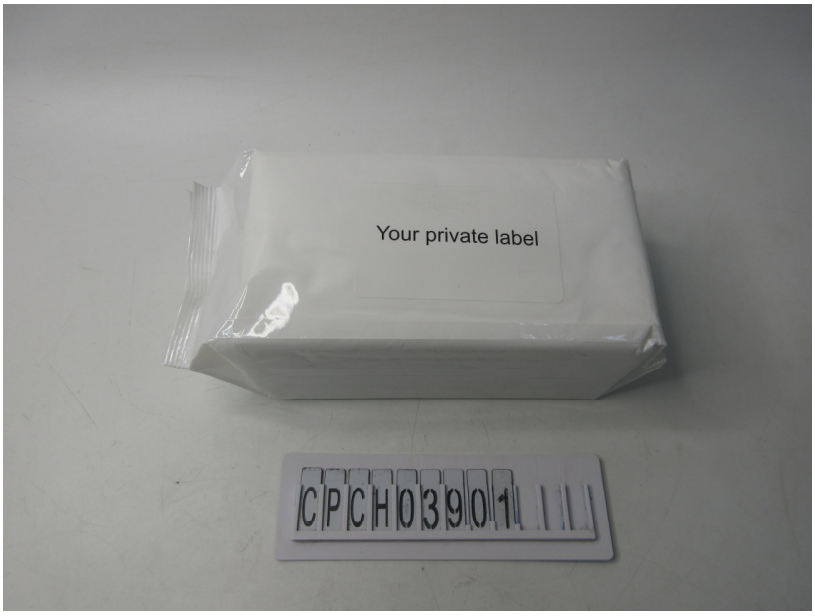
1. **Experimental conditions**

Product diluent used during the test: /
Product test concentrations: 80%
Contact time: 1min
Test temperature: 20℃±1℃
incubation temperature: 36℃±1℃
Interfering substance: 0.3g/l of bovine albumin=clean condition
Stability and appearance of the mixture during the procedure: test mixture were homogeneous
Membrane filtration method，rising liquid: sterile water

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)

Sample Description: sample in bag



In the territory of the People's Republic of China, the test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc… and just for client internal reference.

*** End of Report***

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