

# Kaken Test Center GENERAL INCORPORATED FOUNDATION

2-5-19, Edobori, Nishi-ku, Osaka,550-0002/ Japan Tel: +81-(0)6-6441-0399, Fax: +81-(0)6-6441-6803

Test report No.: OS-19-014491-2

No.<u>1/2</u>

Do

Date: June 14, 2019

## TEST REPORT

Requested: KG MARK co., LTD. Test sample: Fabric 1 sample Test items: Antibacterial activity

Received: June 4, 2019

### This is to report that the results of laboratory test applied on the sample are as follows:

#### 1. Test results

1. 1 Staphylococcus aureus

No. Sample	COPY 2	Common for the number of l	logarithm bacteria (max-min) After 18h	Antibacterial activity value
	01 1 7	after inoculation	incubation	activity variation
Sonovia scale up ZnO fabric	After 50-cycle washing	4.49(0.1)	1.30(0.0)	5.7
Control fabric		4.49(0.0)	6.99(0.1)	Growth value F:2.5

1. 2 Klebsiella pneumoniae

No. Sample		Common for the number of l Immediately after inoculation		Antibacterial activity value
① Sonovia scale up ZnO fabric	After 50-cycle washing	4.49(0.0)	3.57(1.5)	3.9
Control fabric		4.50(0.1)	7.44(0.0)	Growth value F:2.9

(To be continued on No.2/2)

Kaken Test Center

GENERAL INCORPORATED FOUNDATION Lab Address: 2-5-19, Edobori, Nishi-ku, Osaka, 550-0002/ Japan

Tel: +81-(0)6-6441-0399 Fax: +81-(0)6-6441-6803 Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted.



# Kaken Test Center GENERAL INCORPORATED FOUNDATION

2-5-19, Edobori, Nishi-ku, Osaka,550-0002/ Japan Tel: +81-(0)6-6441-0399, Fax: +81-(0)6-6441-6803

No.<u>2/2</u>

Test report No.: OS-19-014491-2

Date: June 14, 2019

### TEST REPORT

(Continued from No.1/2)

1.3 Methicillin resistant Staphylococcus aureus

	PY 核与 CUPY A		Common logarithm		COPY
No	o. Sample	Sample	for the number of bacteria (max-min)		Antibacterial activity value
	EH="-/ For pro		Immediately after inoculation	After 18h incubation	
1	Sonovia scale up ZnO fabric	After 50-cycle washing	4.55(0.1)	2.17(1.1)	4.9
	Control fabri	c	4.54(0.1)	7.05(0.1)	Growth value F:2.5

2. Test method: JIS L 1902:2015 (Absorption method)

Test bacteria : Staphylococcus aureus NBRC 12732 Klebsiella pneumoniae NBRC 13277

Methicillin resistant Staphylococcus aureus IID 1677

Test bacteria suspension: prepared with surfactant (Tween 80) Washing: Washing method of SEK mark textile products, established by Japan Textile

•		
•	Samp	IA.
J.	valili	

(1)

Kaken Test Center General Incorporated Foundation Osaka Laboratories Biological Test Laboratory

Inspector:

T.Nakasone

Period.