

KAKEN**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

Kaken Test Center is formerly named as "Japan Synthetic Textile Inspection Institute Foundation(JSTIIF)".

No.1/2

Test Report No. : OS-15-084262

Date : April 4, 2016

TEST REPORT

Requested : MARUSYO SANGYO Co.,Ltd.

Test Sample : Metal Plate 1 Sample

Test Items : Antibacterial activity

Received : March 28, 2016

This is to report that the results of laboratory test applied on the sample are as follows:**1. Test Results****1. *Staphylococcus aureus***

Sample name	Common logarithm for the number of bacteria		Antibacterial activity value
	Immediately after inoculation	After 24h incubation	
M-Clean Type:AB-1	—	<-0.20	>4.7
Control sample*	4.01	4.53	—

2. *Escherichia coli*

Sample name	Common logarithm for the number of bacteria		Antibacterial activity value
	Immediately after inoculation	After 24h incubation	
M-Clean Type:AB-1	—	<-0.20	>6.1
Control sample*	4.05	5.94	—

3. *Pseudomonas aeruginosa*

Sample name	Common logarithm for the number of bacteria		Antibacterial activity value
	Immediately after inoculation	After 24h incubation	
M-Clean Type:AB-1	—	<-0.20	>4.0
Control sample*	4.34	3.81	—

(To be continued on No.2/2)

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No.2/2

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TEST REPORT
(continued from No.1/2)

4. *Enterococcus faecalis*

Sample name	Common logarithm for the number of bacteria		Antibacterial activity value
	Immediately after inoculation	After 24h incubation	
M-Clean Type:AB-1	—	<-0.20	>4.6
Control sample*	4.28	4.47	—

* The polyethylene film was used as a control sample.

2. Test Method: JIS Z 2801:2010,5., Modified

Test Bacteria : *Staphylococcus aureus* NBRC 12732
Escherichia coli NBRC 3972
Pseudomonas aeruginosa NBRC 3080
Enterococcus faecalis NBRC 3989

3. Sample:

Sample Omitted

Kaken Test Center General Incorporated Foundation
Osaka Laboratories
Biological Test Laboratory

Inspector : 中曾根 寿明
T.Nakasone

Period.

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