



TEST CERTIFICATE

ORIGINAL

000142JP

TEST No. JNLA2005K0042

DATE Jul. 15, 2005

Applicant: SUMITOMO 3M LIMITED
 Address: 2-33-1 Tamagawadai, Setagaya-ku, Tokyo
 Received day Jun. 14, 2004

JAPAN SPINNERS INSPECTING FOUNDATION
 Kinki head office
 Head office manager Yoshihiro Kimura
 18-15, Uemachi 1-chome, Chuo-Ku, Osaka, Japan

Test materials:

No. Sort. name and product number	Characteristics and conditions
1. Blank	Especially nothing
2. Neox / Neo-Tile	

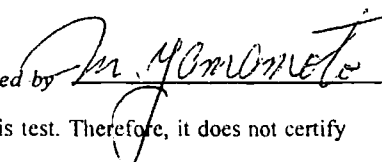
Sampling: By applicantTest item: Antimicrobial product test for antimicrobial activity and efficacyTest method and condition: JIS Z 2801, 5.2 Testing method for plastic products, etc.Test bacteria: *Staphylococcus aureus* NBRC12732*Escherichia coli* NBRC3972Pre-treatment method: The water immersion processing [Classification 2]

(Durability standard of Society of Industrial-Technology for Antimicrobial Articles)

The light exposure processing [Classification 1]

(Durability standard of Society of Industrial-Technology for Antimicrobial Article)

Special mentioned matters: Amount of test inoculums : 0.4ml

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This test certificate is to mention about the value that obtained from this test. Therefore, it does not certify the conformity to Japanese Industrial Standard (JIS).

You must not use the partial copy of this test certificate without consent in advance.

These results are for the submitted test materials. Therefore, it is not applicable the Lot.

Test results:

<Staphylococcus aureus>

The water immersion processing [Classification 2]

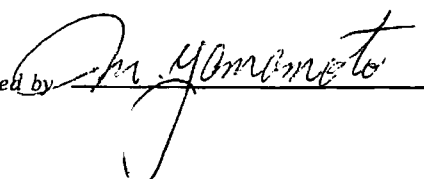
The number of inoculated bacteria[A]	2.3×10^5	log A 5.3
1. Blank (after 24h incubation) [B]	1.4×10^6	log B 6.1

Test sample	The number of the bacteria in test sample after 24h incubation [C]	Common logarithm of number of active bacteria (log C)	Value of antimicrobial activity $\log(B / C)$
2. Neox / Neo-Tile	1.1×10^3	3.0	3.1

The light exposure processing [Classification 1]

The number of inoculated bacteria[A]	2.6×10^5	log A 5.4
1. Blank (after 24h incubation) [B]	4.6×10^5	log B 5.6

Test sample	The number of the bacteria in test sample after 24h incubation [C]	Common logarithm of number of active bacteria (log C)	Value of antimicrobial activity $\log(B / C)$
2. Neox / Neo-Tile	2.7×10^2	2.4	3.2

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<Escherichia coli>

The water immersion processing [Classification 2]

The number of inoculated bacteria[A]	3.0×10^5	log A 5.4
1. Blank (after 24h incubation) [B]	3.2×10^7	log B 7.5

Test sample	The number of the bacteria in test sample after 24h incubation [C]	Common logarithm of number of [C] (log C)	Value of antimicrobial activity log(B / C)
2. Neox / Neo-Tile	<10	1.0	6.5

The light exposure processing [Classification 1]

The number of inoculated bacteria[A]	3.0×10^5	log A 5.4
1. Blank (after 24h incubation) [B]	3.4×10^7	log B 7.5

Test sample	The number of the bacteria in test sample after 24h incubation [C]	Common logarithm of number of [C] (log C)	Value of antimicrobial activity log(B / C)
2. Neox / Neo-Tile	6.7×10^2	2.8	4.7

Room temperature: 23 °C

Relative humidity: 46%

Reference: In JIS Z 2801, the value of the antimicrobial activity is prescribed as mentioned below.

"The antimicrobial efficacy of the antimicrobial products is estimated to be effective if the value of the antimicrobial activity, obtained from the test method conformed to JIS Z 2801, is more than 2.0."

Submitted materials: Omitted

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