

TEST REPORT: 7191237543-CHM20-RC

Date: 21 MAY 2020

Tel: +65 68851345 Fax: +65 67732912

Client's Ref:

Email: Randy.CHIN@tuv-sud-psb.sg

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SUBJECT

Antibacterial Activity Evaluation

CLIENT

Magna International Pte Ltd
10H Enterprise Road
Singapore 629834

Attn : Nelson Cheng

SAMPLE SUBMISSION DATE / TEST DATE

04 May 2020 / 05 May 2020

DESCRIPTION OF SAMPLE

One sample of panel labelled "Coated with Legionella-X Viral Shield for 60 day on PET plastic sheet (Batch No. 20/01/03)" and one sample of panel labelled "Not treated" were submitted by the above company.

METHOD OF TEST

JIS Z 2801:2010/A1:2012

"Antibacterial products – Test for antibacterial activity and efficacy".

The test microorganisms used were :

Staphylococcus aureus (ATCC 6538P)
Escherichia coli (ATCC 8739)

Size of Treated Sample: 5 cm x 5 cm
Size of Untreated Sample: 5 cm x 5 cm
Size of film: 4 cm x 4 cm polyethylene film
Volume of test inoculum : 0.2 ml



TÜV SÜD PSB

Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: enquiries@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #02-01
Singapore 118221
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RESULTS

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Value of Antibacterial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Staphylococcus aureus</i> (ATCC 6538P)			
Control: Not treated	120 000	6 100 000	-
Sample: Coated with Legionella-X Viral Shield for 60 day on PET plastic sheet (Batch No. 20/01/03)	-	Less than 10	More than 5.78

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Value of Antibacterial Activity (Criteria : Not less than 2.0)
	0 hour	24 hours	
<i>Escherichia coli</i> (ATCC 8739)			
Control: Not treated	130 000	15 000 000	-
Sample: Coated with Legionella-X Viral Shield for 60 day on PET plastic sheet (Batch No. 20/01/03)	-	Less than 10	More than 6.18

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Remarks :

The above test results relate to the samples as received.

A black ink signature, appearing to be "Xinni", written in a cursive style.

MS CHUA XINNI
HIGHER TECHNICAL
EXECUTIVE

A blue ink signature, appearing to be "Wanyu", written in a cursive style.

MS CHEW WAN YU
EXECUTIVE MICROBIOLOGIST
MICROBIOLOGY
CHEMICAL & MATERIALS



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July 2011

