

# TEST REPORT: 7191132896-CHM16-01-RC

Date: 14 MAR 2016

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## SUBJECT

Antimicrobial Activity Evaluation

## CLIENT

Superlon Worldwide Sdn Bhd  
Lot 2736, Jalan Raja Nong,  
Klang  
41200 Selangor Darul Ehsan  
Selangor

Attn : Ms. Joanna

## SAMPLE SUBMISSION DATE / TEST DATE

15 Jan 2016 / 11 Feb 2016

## DESCRIPTION OF SAMPLE

One sample labelled as "Rubber Insulation Material" was submitted.

## METHOD OF TEST

ASTM E 2180 – 07 "Determining the Activity of Incorporated Antimicrobial Agents in Polymeric or Hydrophobic Materials.

The test microorganisms used were :

*Klebsiella pneumoniae* (ATCC 4352)  
*Staphylococcus aureus* (ATCC 6538P)



TÜV SÜD PSB

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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		Reduction percentage
	0 hour	24 hours	
<b><i>Staphylococcus aureus</i> (ATCC 6538P)</b>			
Blank Polycarbonate Panel (Control)	610 000	5 600 000	-
Rubber Insulation Material	-	Less than 10	More than 99.9998

Test microorganism (Bacterial cells inoculated per test piece)	Average of the number of viable cells of test microorganism per test piece		Reduction percentage
	0 hour	24 hours	
<b><i>Escherichia coli</i> (ATCC 8739)</b>			
Blank Polycarbonate Panel (Control)	750 000	5 400 000	-
Rubber Insulation Material	-	Less than 10	More than 99.9998

Remarks :

The above test results related to the samples as received.

\_\_\_\_\_  
**MS AW HWEE YING**  
HIGHER TECHNICAL EXECUTIVE

\_\_\_\_\_  
**MR RANDY CHIN KOK FEI**  
ASSISTANT PRODUCT MANAGER  
MICROBIOLOGY  
CHEMICAL & MATERIALS

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July 2011

