



* B K K H L 2 6 0 0 0 8 7 9 2 *

LIFE MATERIAL TECHNOLOGIES LIMITED
247 LUMPINI BUILDING 2, ROOM 221,222
2ND FLOOR, RAJDAMRI ROAD, LUMPINI, PHATUMWAN,
BANGKOK, 10330
THAILAND

The following sample(s) was/were submitted and identified by client as:

Sample Name : WLA Health & Care AG - PE Plaque - Color (Turkis) - LIFE PI-05-3A, 3% - 290626
Client Reference : LIFE 003326
Information

The following sample(s) was/were identified by SGS as:

Sample Number : BKK26-0004552-0001
Sample Condition : Sample is contained in plastic bag.
Quantity Submitted : 1 bag
Client Age Grading :
Sample Received Date : Jun 29 2026
Test Performing Date : Jun 29 - Jul 08 2026

Signed for and on behalf of:

SGS (Thailand) Limited

Sudjai Hunaut
Microbiology Laboratory Manager

FOLDER NUMBER : BKK26-0004552

1436146

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RESULTS
REQUIREMENTS
Antibacterial Activity and Efficacy **

Based on JIS Z 2801:2010

Test Item(s)	Concentration of bacteria (CFU/ml)	Initial inoculum concentration (CFU/piece of sample)	The number of bacteria recovered from untreated test piece at 0 hr. contact time (CFU/piece of samples)_Uo	The number of bacteria recovered from untreated test piece at 24 hrs. contact time (CFU/piece of samples)_A (Ut)	The number of bacteria recovered from antibacterial test piece at 24 hrs. contact time (CFU/piece of samples)_B (At)	Value of antibacterial activity (R)	% Reduction
<i>Escherichia coli</i> ATCC 8739	480,000	190,000 (5.3 log)	150,000 (5.2 log)	6,000,000 (6.8 log)	Less than 10 (<1.0 log)	>5.8	>99.99
<i>Staphylococcus aureus</i> ATCC 6538P	280,000	110,000 (5.0 log)	89,000 (4.9 log)	150,000 (5.2 log)	Less than 10 (<1.0 log)	>4.2	>99.99

Remark:

1.% Reduction = (A-B)/A * 100

Where,

A = The number of bacteria recovered from untreated test piece at 24 hrs. contact time (CFU/piece of samples)

B = The number of bacteria recovered from antibacterial test piece at 24 hrs. contact time (CFU/piece of samples)

2. $R = (U_t - U_o) - (A_t - U_o) = U_t - A_t$

Where,

R : antibacterial activity

Uo : average of logarithm numbers of viable bacteria immediately after inoculation on untreated test piece

Ut : average of logarithm numbers of viable bacteria after inoculation on untreated test piece after 24 h

At : average of logarithm numbers of viable bacteria after inoculation on antibacterial test piece after 24 h

Criteria : The value of antimicrobial activity obtained by the testing methods of this standard shall not be less than 2.0

3. As client request to use their control at 0 and 24 h.

Test(s) marked ** on test report is/are analyzed at SGS (Thailand) Ltd, address: 10,10/1-4 and 12 Soi Rama III S.59, Chong Nonsi, Yan Nawa, Bangkok.

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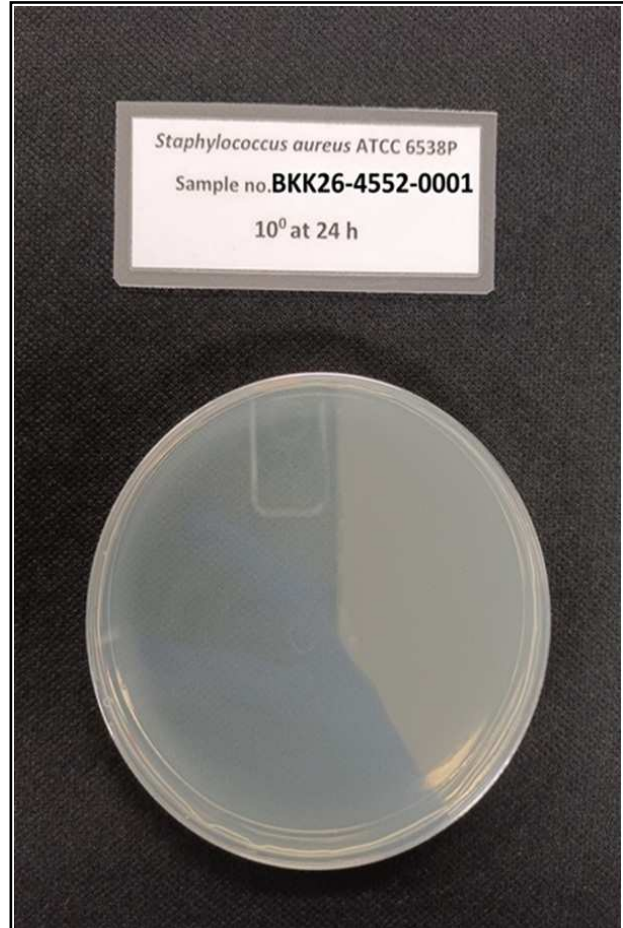
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SAMPLE/ATTACHMENT PICTURE



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SAMPLE/ATTACHMENT PICTURE



End of Report

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