

Test Report 3253863

Date : 26-May-2016

Page 1 of 7

**Client : AM Technology Ltd.
One Fetler Lane EC4A 1BR
London U.K.**

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

Sample Description : Airlite Paints
Sample No. : 3308761
Sample Condition : Sample is contained in a plastic bag.
Quantity Submitted : 1 bag
Date Received : 1-Apr-2016 Date Commenced : 4-Apr-2016
Test Results : Please see the attached sheet.

**Signed for and on behalf of
SGS (Thailand) Limited**



**Jirapan Vilaipol
Microbiological Lab Manager**

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TEST RESULTS

Test Required : Antimicrobial activity and efficacy (Quantitative)
 Test Method : Based on JIS Z 2801:2000

Test method

1. Prepare 6 pieces for untreated test pieces (control) and 3 pieces for antimicrobial test pieces (samples) for each target microorganisms (samples size 5 x 5 cm.)
2. Prepare target microorganisms (inoculums) in 1/500 NB broth in a number 250,000-1,000,000 CFU/mL
3. Inoculate 0.4 mL of each target inoculums into 6 pieces of untreated test pieces (control) and 3 pieces of samples
4. Cover the instilled test inoculums with a plastic films and press the film to make the test inoculums spreads over on samples
5. Count the number of viable bacterial cells immediately after inoculation on 3 pieces of untreated test pieces(control)
6. Incubate 3 pieces of control and 3 pieces of samples at room temperature under UV light as provide by client for 24 h
7. Count the number of viable bacterial cells after 40-48 h incubation on 3 pieces of control and 3 pieces of sample

Test Result

Test Required : Antimicrobial activity and efficacy (Quantitative)
 Test method : Based on JIS Z 2801:2000
 Name of sample : Airlite Paints
 Condition : Fluorescent Light Condition
 Light exposure conditions : CRI fluorescent daly light spectrum lamp by client
 Contact time : 24 h
 Inoculums concentration of S.aureus: 360,000 CFU/mL
 Inoculums concentration of E.coli: 500,000 CFU/mL
 Inoculums concentration of K.pneumoniae: 430,000 CFU/mL
 Inoculums concentration of S.Typhimurium : 400,000 CFU/mL

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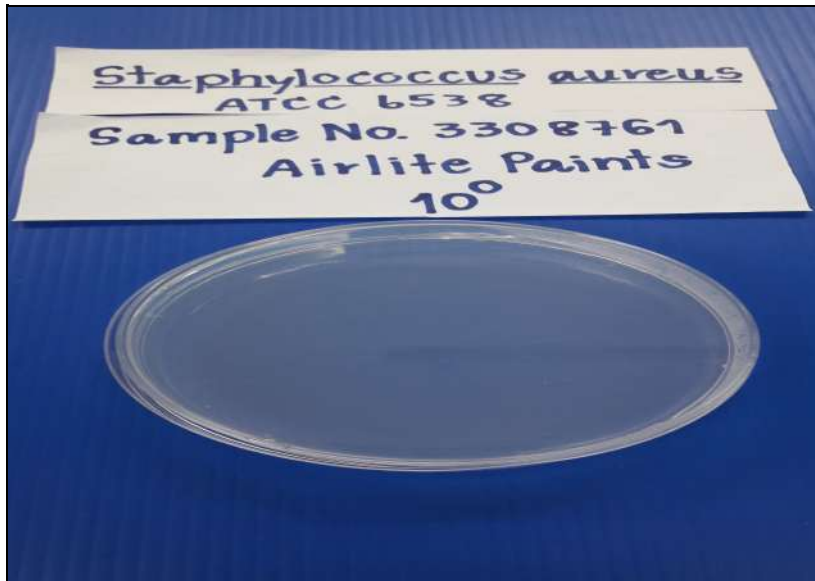
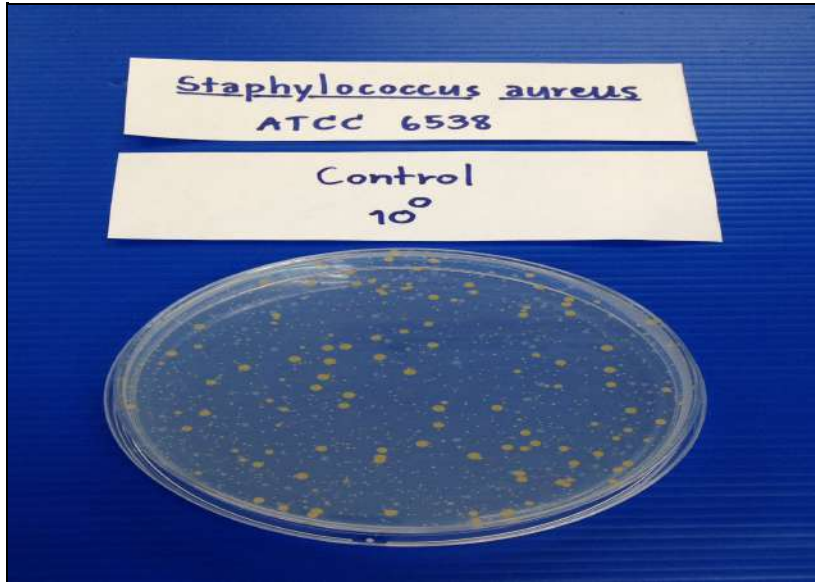
TEST RESULTS

Tested microorganism	Average of number of viable cell of bacteria on untreated sample immediately after inoculation(CFU/mL)	Average of number of viable cell of bacteria on untreated sample after 24 h(CFU/mL)	Average of number of viable cell of bacteria on treated sample after 24 h (CFU/mL)	% Reduction
Staphylococcus aureus ATCC 6538	140,000	450,000	Less than 10	>99.99
Escherichia coli ATCC 8739	200,000	4,500,000	Less than 10	>99.99
Klebsiella pneumoniae ATCC 4352	170,000	3,000,000	Less than 10	>99.99
SalmonellaTyphimurium ATCC 13311	160,000	1,300,000	Less than 10	>99.99

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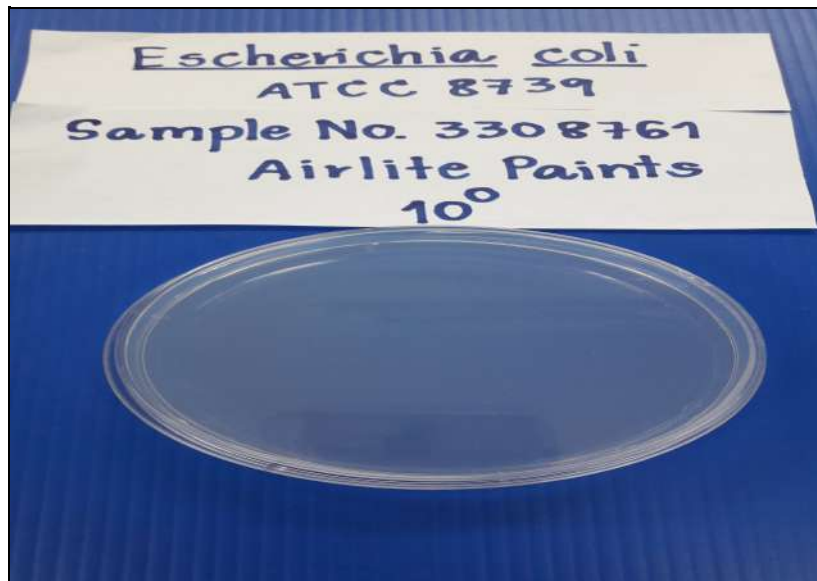
SAMPLE/ATTACHMENT PICTURE



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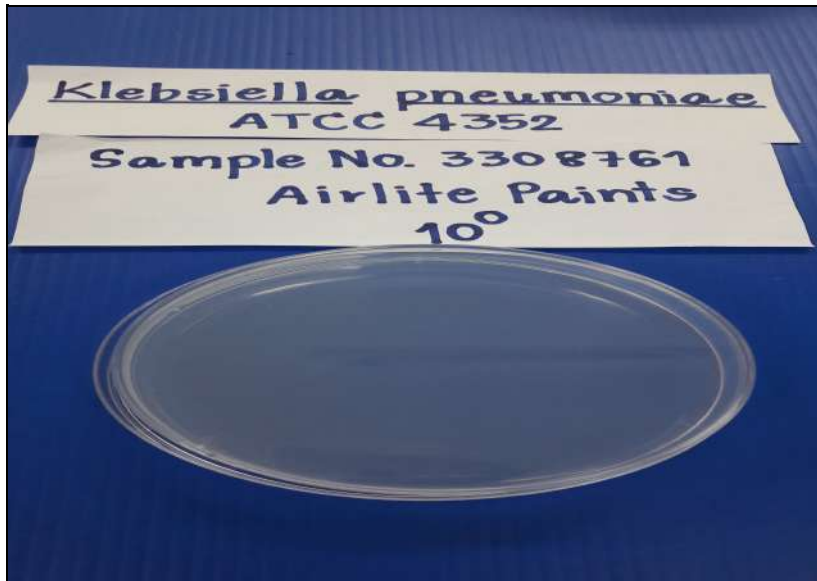
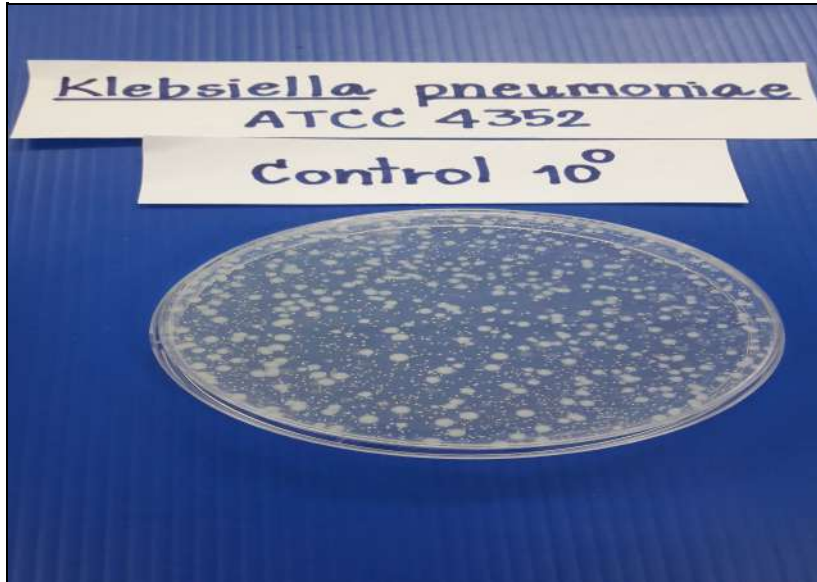
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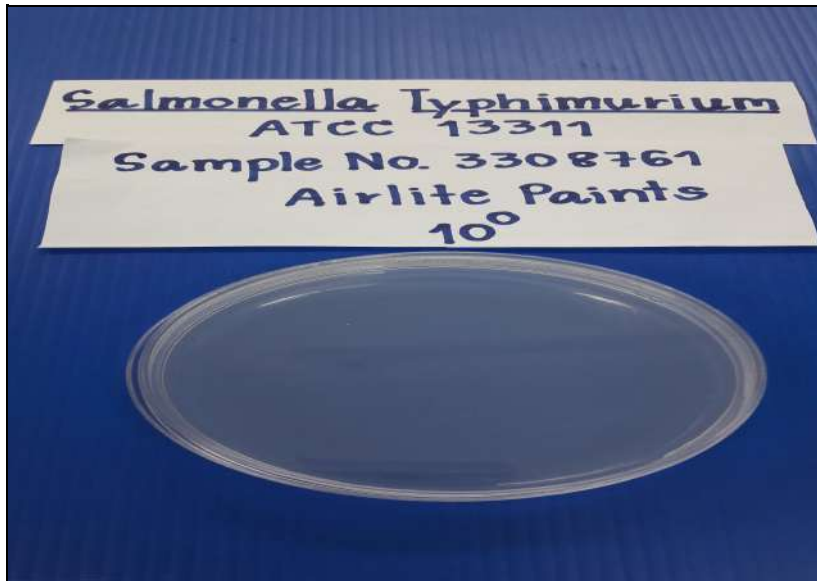
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***** End of Report *****

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