

Test Report

Applicant: ADATA Technology Co., Ltd
18F, NO.258, LIAN CHENG RD., ZHONGHE DIST.,
NEW TAIPEI CITY 235, TAIWAN (R.O.C.)

Number : TWNC00962832

Issue Date : Mar 04, 2021

Sample Description:

One (1) group of submitted samples said to be :

Item Name : PC (Contains antibacterial ingredients)
Item No. : UV240P
Country of Origin : Taiwan
Date Sample Received : Oct 19, 2020
Date Test Started : Oct 20, 2020

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Remarks:

Results were translated from report No. TWNC00928420 dated Oct 29, 2020.

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited



Matt Wang
Director



Signed by:



Thomas Chou
Manager



Test Conducted :

Test for Antimicrobial Activity and Efficacy on Antimicrobial Products

As per JIS Z 2801 : 2010 and amendment 1:2012.

Tested Specimen: Black plastic sheet

Result:

<u>Name of Test Fungi (Strain Number)</u>	<u><i>Staphylococcus aureus</i> (ATCC 6538P)</u>	<u><i>Escherichia coli</i> (ATCC 8739)</u>
Concentration of inoculum	4.07 X 10 ⁵ CFU/mL	4.05 X 10 ⁵ CFU/mL
Average of the number of viable bacteria immediately after inoculation on the control sample (U ₀)	9.65 X 10 ³ CFU/cm ² /Log : 3.98	9.14 X 10 ³ CFU/cm ² /Log : 3.96
Average of the number of viable bacteria on the control sample after 24 hours (U _t)	2.62 X 10 ⁶ CFU/cm ² /Log : 6.42	1.37 X 10 ⁶ CFU/cm ² /Log : 6.14
Average of the number of viable bacteria on the antimicrobial test piece after 24 hours (A _t)	< 0.63 CFU/cm ² # /Log : --	12 CFU/cm ² /Log : 1.08
Value of antimicrobial activity (R)	> 5.79	5.06

<u>Name of Test Fungi (Strain Number)</u>	<u><i>Klebsiella pneumoniae</i> (ATCC 4352)</u>	<u><i>Pseudomonas aeruginosa</i> (ATCC 9027)</u>
Concentration of inoculum	8.40 X 10 ⁵ CFU/mL	3.55 X 10 ⁵ CFU/mL
Average of the number of viable bacteria immediately after inoculation on the control sample (U ₀)	1.40 X 10 ⁴ CFU/cm ² /Log : 4.15	7.59 X 10 ³ CFU/cm ² /Log : 3.88
Average of the number of viable bacteria on the control sample after 24 hours (U _t)	4.16 X 10 ⁶ CFU/cm ² /Log : 6.62	9.56 X 10 ⁵ CFU/cm ² /Log : 5.98
Average of the number of viable bacteria on the antimicrobial test piece after 24 hours (A _t)	33 CFU/cm ² /Log : 1.52	39 CFU/cm ² /Log : 1.59
Value of antimicrobial activity (R)	5.10	4.39

<u>Name of Test Fungi (Strain Number)</u>	<u><i>Salmonella enterica subsp enterica</i> (ATCC 14028)</u>
Concentration of inoculum	3.08 X 10 ⁵ CFU/mL
Average of the number of viable bacteria immediately after inoculation on the control sample (U ₀)	6.54 X 10 ⁴ CFU/cm ² /Log : 4.82
Average of the number of viable bacteria on the control sample after 24 hours (U _t)	1.91 X 10 ⁶ CFU/cm ² /Log : 6.28
Average of the number of viable bacteria on the antimicrobial test piece after 24 hours (A _t)	1.81 X 10 ² CFU/cm ² /Log : 2.26
Value of antimicrobial activity (R)	4.02



Test Conducted :

Test for Antimicrobial Activity and Efficacy on Antimicrobial Products


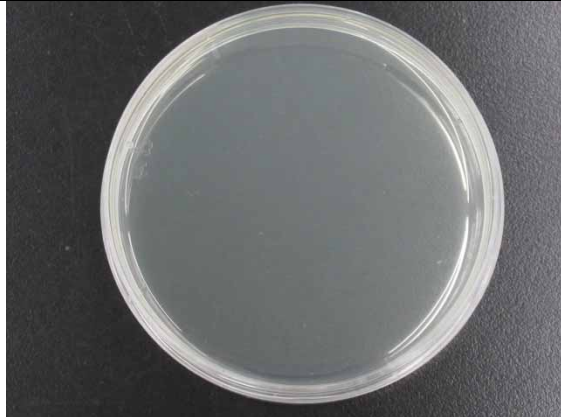
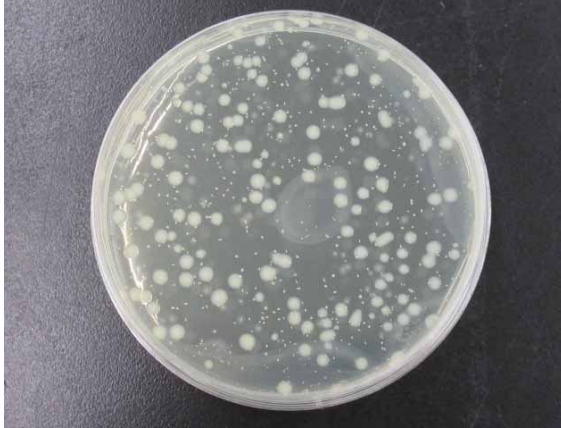


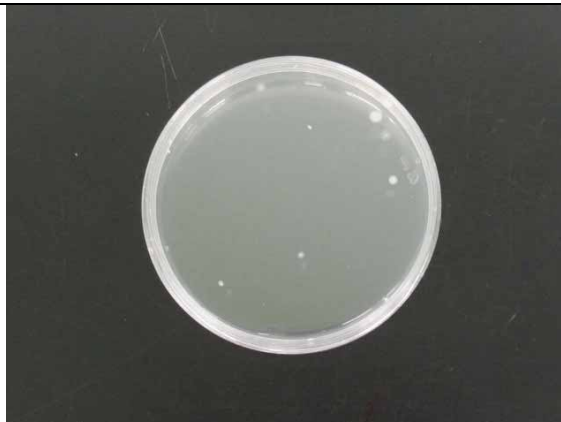
Percent reduction (R) = $(U_t - U_0) - (A_t - U_0) = U_t - A_t$

Remarks: CFU = Colony forming unit
< = Less than
> = More than
= When the number of viable bacteria "A_t" is less than or equal to 1.0, it shall be taken as "A_t" and the average of logarithm numbers shall be calculated

The antimicrobial efficacy value shall be not less than 2.0 for antimicrobial products.


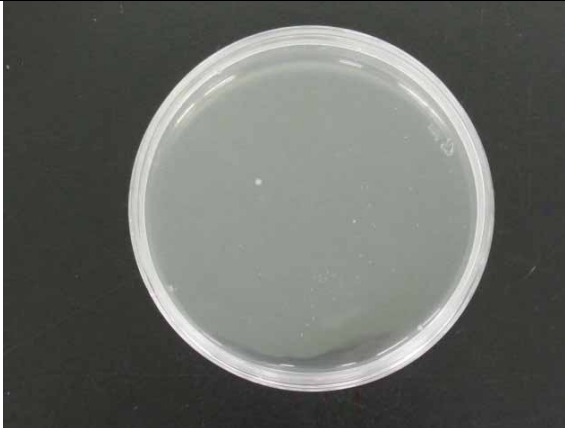
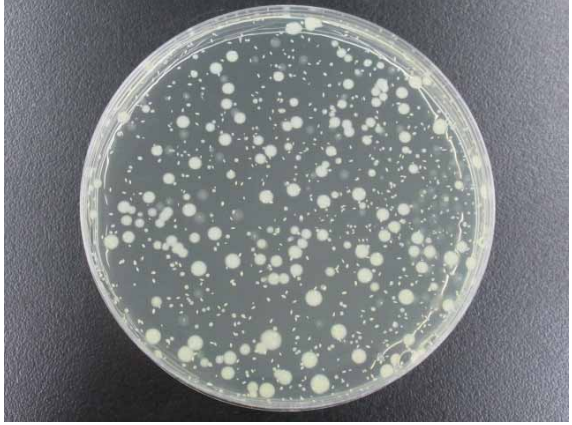



Test Conducted :

<i>Staphylococcus aureus</i> (ATCC 6538P)	
Immediately Inoculation	24 Hours Incubation
	
<i>Escherichia coli</i> (ATCC 8739)	
Immediately Inoculation	24 Hours Incubation
	
<i>Klesiella pneumoniae</i> (ATCC 4352)	
Immediately Inoculation	24 Hours Incubation
	



Test Conducted :

<i>Pseudomonas aeruginosa</i> (ATCC 9027)	
Immediately Inoculation	24 Hours Incubation
	
<i>Salmonella enterica subsp enterica</i> (ATCC 14028)	
Immediately Inoculation	24 Hours Incubation
	



Sample photo:



End of Report

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