

## TEST REPORT

NAN YA PLASTICS CORPORATION.

NO.201, SEC. 2, BEIGANG RD., TAIBAO CITY, CHIAYI COUNTY 612,  
TAIWAN (R.O.C.)

REPORT NO.KE/2020/50618

REPORT ISSUE DATE: 2020/06/09

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THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CLIENT AS :

<b>SAMPLE DESCRIPTION</b>	: PVC FILM.
<b>COLOR</b>	: TRANSPARENT 001.
<b>STYLE/ITEM NO.</b>	: NAN YA ANTIMICROBIAL PVC FILM 2.
<b>MATERIAL COMPOSITION</b>	: PVC.
<b>SAMPLE RECEIVED</b>	: 2020/05/20.
<b>TESTING PERIOD</b>	: 2020/05/20 TO 2020/06/09.
<b>TEST METHOD</b>	: JIS Z2801.
<b>SAMPLE SUBMITTED BY</b>	: NAN YA PLASTICS CORPORATION..

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--- PLEASE SEE THE NEXT PAGE FOR TEST RESULT(S) ---



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## TEST RESULT(S) :

Test Organism : <i>Staphylococcus</i> ATCC 6538P			
Test Group	CFU/cm <sup>2</sup>	LOG	Antibacterial activity (R)
Control test piece at 0h ( $U_o$ )	$1.8 \times 10^4$	4.25	>4.2
Control test piece after 24h ( $U_t$ )	$1.0 \times 10^4$	4.00	
Test piece after 24h ( $A_t$ )	<0.63	-0.20	

Test Organism : <i>Escherichia</i> ATCC 8739			
Test Group	CFU/cm <sup>2</sup>	LOG	Antibacterial activity (R)
Control test piece at 0h ( $U_o$ )	$1.2 \times 10^4$	4.07	>6.27
Control test piece after 24h ( $U_t$ )	$1.2 \times 10^6$	6.07	
Test piece after 24h ( $A_t$ )	<0.63	-0.20	

Test Organism : <i>Klebsiella</i> ATCC 4352			
Test Group	CFU/cm <sup>2</sup>	LOG	Antibacterial activity (R)
Control test piece at 0h ( $U_o$ )	$1.3 \times 10^4$	4.11	>5.4
Control test piece after 24h ( $U_t$ )	$1.6 \times 10^5$	5.20	
Test piece after 24h ( $A_t$ )	<0.63	-0.20	

### Note:

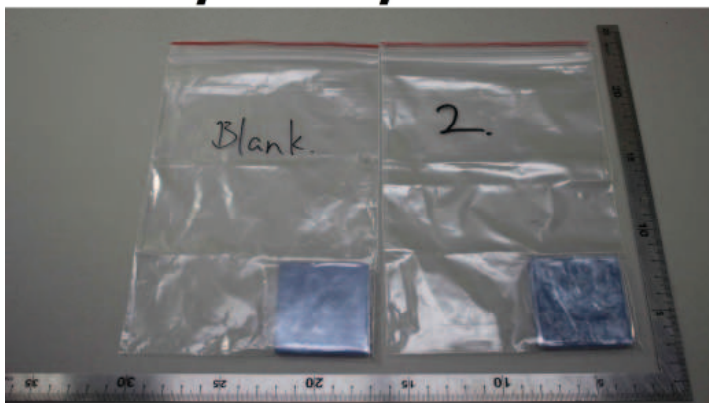
- The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.
- This testing report contains 2 pages and it's invalid when they are separated.
- $U_o$  : Untreated test piece at 0h, bacteria counts should be at  $6.2 \times 10^3$  to  $2.5 \times 10^4$  CFU/cm<sup>2</sup>
- $U_t$  : Untreated test piece after 24h
- $A_t$  : Antibacterial test piece after 24h
- Antibacterial activity  $R(\log) = U_t - A_t$  ; R shall be  $\geq 2$  for Antibacterial effectiveness.
- If "Untreated test piece" can't be prepared, "Blank" may be used.
- All items in this testing report is based on the request from client and we are responsible for that.
- This test report is used for the reference of making your own report and the hard copy is not required.
- The tests were subcontracted to other SGS laboratory.

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### SAMPLE PHOTO KE/2020/50618



\*\* END OF REPORT \*\*

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