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ISHIZUKA GLASS CO., LTD.
Advanced Glass Company



REPORT ON ANTI-MICROBIAL TEST RESULT

1. Sample: name ZERTIFIKAT+ ; code V8140

Acrylic Based Water Borne Coated Plates

No.	Sample
1.	Blank
2.	0.25%
3.	0.5%

2. Outline of test:

The test was executed in according with "JIS Z 2801."

<Bacteria used for test>

Escherichiacoli NBRC 3972
Staphylococcus aureus NBRC 12732

3. Test result:

Table 1. Test result of Anti-microbial effect against *Escherichia coli*

Sample	Number of living bacteria		Antimicrobial activity value against blank	Reduction %
	At beginning	After 24 hours		
1. Blank	2.3×10^5	5.5×10^6	-----	-----
2. 0.25%	2.3×10^5	$<1 \times 10^2$	>4.7	>99.998
3. 0.5%	2.3×10^5	$<1 \times 10^2$	>4.7	>99.998
Control (Film only)	2.3×10^5	5.4×10^7		

Table 2. Test result of Anti-microbial effect against *Staphylococcus aureus*

Sample	Number of living bacteria		Antimicrobial activity value against blank	Reduction %
	At beginning	After 24 hours		
1. Blank	3.6×10^5	1.4×10^5	-----	-----
2. 0.25%	3.6×10^5	$<1 \times 10^2$	>3.1	>99.928
3. 0.5%	3.6×10^5	$<1 \times 10^2$	>3.1	>99.928
Control (Film only)	3.6×10^5	6.5×10^6		

4. Consideration:

Sample 2 and 3 had shown antimicrobial efficacy as the reduction percentage exceeded 99.9%.

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