

TEST CERTIFICATE Determining the Resistance of Plastics to Bacteria by Agar Plate Assay (ASTM D G22-76, 1996)

Date of issue : 12-12-2018

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Castco LRN : 181024-2017

Sample details as supplied by customer:-

Customer : Fujian Jumbo New Material Corporation Limited

Customer's ref. no. : --

Job title : --

Contract no. : --

Sample Identification No. : --

Sample Discription : --

Date cast : 24-10-2018

Sample nominal size: 30mm x 30mm x 6mm (T)

Laboratory Test Results:-

Date of sample received : 24-10-2018

Test period : 25-10-2018 to 14-11-2018

Medium used: : Nutrient-Salts Agar

Bacterial species: 1) *S. aureus* (ATCC 6538)

2) *Klebsiella* Species (*K. pneumoniae*) (ATCC 4352)

3) *E. coli* (ATCC 25922)

4) *P. aeruginosa* (ATCC 27853)

Sample no.	Inoculum	Week 1:	Week 2:	Week 3:
Control 1 (<i>S. aureus</i>)	--	Growth	Growth	Growth
Control 2 (<i>K. pneumoniae</i>)	--	Growth	Growth	Growth
Control 3 (<i>E. coli</i>)	--	Growth	Growth	Growth
Control 4 (<i>P. aeruginosa</i>)	--	Growth	Growth	Growth
Specimen 1 (<i>S. aureus</i>)	Face up	0	0	0
	Face down	0	0	0
Specimen 2 (<i>K. pneumoniae</i>)	Face up	0	0	0
	Face down	0	0	0
Specimen 3 (<i>E. coli</i>)	Face up	0	0	0
	Face down	0	0	0
Specimen 4 (<i>P. aeruginosa</i>)	Face up	0	0	0
	Face down	0	0	0
Negative Control	--	0	0	0

Note:

Observed Growth on Specimens	No growth	<10%	10-30%	30-60%	60% to complete coverage
Rating	0	1	2	3	4

Remark : 1. Test results relate to the specimen tested only

2. Test Specimens demonstrates resistance to the bacterial species tested with standard ASTM D G22.

Checked by :

LEUNG SZE YUI HORASIS
Technical Manager

Certified by :



Form no.: MB Paint_ASTM_T dd 01/12/2010

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TEST CERTIFICATE**Determining the Resistance of Plastics to Bacteria
by Agar Plate Assay (ASTM D G22, Approved 2002)**

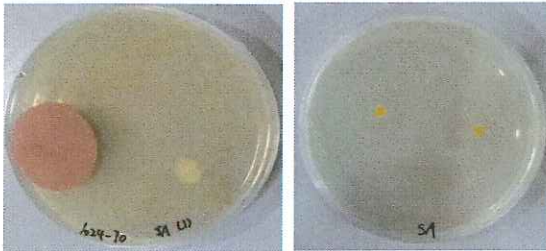
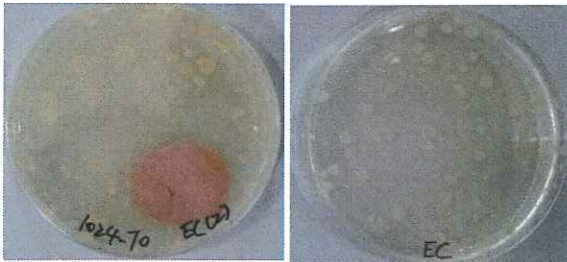
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Test Results (Cont'):-

Week 3

1) *S. aureus* (ATCC 6538)2) *Klebsiella* Species (*K. pneumoniae*) (ATCC 4352)3) *E. coli* (ATCC 25922)4) *P. aeruginosa* (ATCC)**End of Report**