



TEST REPORT**NUMBER : BOMT11005426****DATE : 08-Mar-2011****APPLICANT : LIFELINE TECHNOLOGIES/THANE**Plot no. A-387, Road no. 28, Ramnagar, Wagle
Estate, Thane (West), Maharashtra, INDIA, -
400604.**ATTN : RUPALI HANDE.****Sample Description : ONE PACKET OF PLASTIC CHIPS (2% COMPOSITION)
MARKED AS ANTIMICROBIAL/ANTIFUNGAL (S) (2%)
(LLT/240211-02)****Date Received/Date Test Started : 01 Mar 2011****Date Confirmation Received : -****Destination of Buyer : U.K****Style No : -****Order No : -****Article No : -****Color : ANTIMICROBIAL/ANTIFUNGAL (S) (2%) (LLT/240211-02)****Fibre Content : -****Specification No. : --****Agent Name :**

**TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE
REFER TO ENCLOSED PAGE(S)**

**Prepared & Checked By :
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SR. MANAGER - QUALITY AND
TRAINING**

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TEST REPORT

NUMBER : BOMT11005426

DATE : 08-Mar-2011

Name of Test:

Evaluation of Antimicrobial Activity of Plastic samples

Name of Test Protocol:

JIS Z 2801: 2006

Test Organisms used for evaluating Antimicrobial activity:

1. Staphylococcus aureus ATCC 6538
2. Escherichia coli ATCC 11229

Test Conditions:

Neutraliser used : Buffered Saline with Tween 80 - 0.01 %

Contact Time : 24 hours at 37⁰ C

Incubation Temperature: 37⁰ C for Bacteria

Media and Reagent : Soyabean-casein digest agar for Bacteria

ANTIBACTERIAL ACTIVITY

1. Test Bacteria: **Staphylococcus aureus ATCC 6538 P**

Quantitative Assessment of Activity - JIS Z 2801: 2006			
Concentration of Inoculum (A): 1.26×10^5			Log = 5.10
Concentration after 18 hour incubation (B): 5.60×10^6			Log = 6.74
Sample Identification	No. Bacteria Recovered (C)	Log Bacteria Recovered (C)	Antimicrobial activity (R) Log B-Log C
Plastic Chips	52000	4.71	2.03

2. Test Bacteria: **Escherichia coli ATCC 11229**

Quantitative Assessment of Activity - JIS Z 2801: 2006			
Concentration of Inoculum (A): 1.10×10^5			Log = 5.04
Concentration after 18 hour incubation (B): 6.80×10^6			Log = 6.83
Sample Identification	No. Bacteria Recovered (C)	Log Bacteria Recovered (C)	Antimicrobial activity (R) Log B-Log C
Plastic Chips	64000	4.80	2.03

Standard Antimicrobial Value (R) should be > 2

Where-

A=Logarithm of Concentration of Starting bacterial inoculum (CFU/ml)

B=Logarithm of number of bacteria after 18 hour incubation on untreated sample (Average of 3 specimens)

C=Logarithm of number of bacteria after 18 hour incubation on treated sample (Average of 3 specimens)

END OF THE TEST REPORT