

**BIOTECH****TESTING SERVICES**

TEST REPORT

LAB NO. : 6616/ 1 - 2

DATE: 14/02/2015

NAME OF CUSTOMER : M/S. CEDAR DÉCOR PRIVTAE LIMITED

ADDRESS : F-24/B, Shapath-1, opp. Rajpath Club,
S.G. Highway, Ahmedabad – 380 015

REFERENCE : Letter Ref. dated February 05, 2015
Kind Attention: Anuja Sharma

DATE OF RECEIPT : 05/02/2015

DATE OF INITIATION : 07/02/2015

DATE OF COMPLETION : 12/02/2015

SAMPLE DESCRIPTION : LAMINATE SAMPLE

1. TREATED
2. UNTREATED

Name of Test:

Evaluation of Antimicrobial Activity of Plastic specimen

Name of Test Protocol:

JIS Z 2801: 2010

Test Organisms used for evaluating Antimicrobial activity:

1. Staphylococcus aureus ATCC 6538
2. Escherichia coli ATCC 8739

Test Conditions:

Neutraliser used : DE broth

Contact Time : 24 hours at 37⁰ C

Incubation Temperature : 37⁰ C for Bacteria

Media and Reagent : Soyabean-casein digest

An ISO/IEC 17025:2005 Accredited Testing Services

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104, MALWA, Patanwala Ind. Estate, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086. INDIA. • Telefax : 91-22-2500 2812
E-mail : biotechtestingservices@gmail.com / info@biotechtestingservices.com • Website : www.biotechtestingservices.com

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**BIOTECH****TESTING SERVICES****RESULTS:****ANTIBACTERIAL ACTIVITY**

1. Test Bacteria: Staphylococcus aureus ATCC 6538

Quantitative Assessment of Activity - JIS Z 2801: 2010				
UNTREATED: Conc. of Inoculum on untreated sample at 0 hours (A): 1.78×10^5				Log = 5.25
UNTREATED: Conc. of Inoculum on untreated sample after 24 hour (B) : 7.80×10^5				Log = 5.89
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
TREATED	700	2.84	3.05	99.91

2. Test Bacteria: Escherichia coli ATCC 8739

Quantitative Assessment of Activity - JIS Z 2801: 2010				
UNTREATED: Conc. of Inoculum on untreated sample at 0 hours (A): 2.04×10^5				Log = 5.30
UNTREATED: Conc. of Inoculum on untreated sample after 24 hour (B) : 2.20×10^6				Log = 5.34
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
TREATED	1420	3.15	2.19	99.35

The Standard Antimicrobial value of Evaluation $R \geq 2.0$ **COMMENT:**

When tested as specified, laminate sample labeled TREATED; **PASSES** the Quantitative Assessment of Activity for Staphylococcus aureus and Escherichia coli by JIS Z 2801: 2010 Test Method.

For BIOTECH TESTING SERVICES




Dr Shilpa U. Nair
Quality Manager
(Authorized Signatory)

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