TEST REPORT

REPORT NO. : BTS2602741-04	**DATE : 09-10-2026**
ULR NO. : TC848426000001854F	

NAME OF CUSTOMER	:	GREENLAM LIMITED
ADDRESS	:	PLOT NO.19 , 19A & 19A-1 IP Naidupet Menakuru Village, Naidupet Mangal Tirupati-524421 Andhra Pradesh, India
REFERENCE	:	Reference Letter No. Nil dated September 04, 2026 Kind Attention: Vishwanath Ramesh
DATE OF RECEIPT	:	07-09-2026
DATE OF INITIATION	:	07-09-2026
DATE OF COMPLETION	:	26-09-2026
SAMPLE DESCRIPTION	:	Sample Labeled as:-

Sample No.	Sample Details
2602741/S03	**HMR Prelaminated Particle Board**

• Samples are not drawn by the laboratory • Results relate only to the samples tested
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104/105/205/206, Malwa, Patanwala Ind. Estate, L.B.S Marg, Ghatkopar (West), Mumbai-400086, India. Tel: +91-22-25002812 / 45226627
Email: lab@biotechtestingservices.com / accounts@biotechtestingservices.com Format: F/7.8/102

Name of Test :

JIS Z 2801: 2010; Amendment 1: 2012
Antibacterial products - Test for antibacterial activity & efficacy.

Test Organisms :

1. Staphylococcus aureus ATCC 6538

2. Escherichia coli ATCC 8739

Experimental Conditions

Sample Size	:	5cm x 5cm
No. of Sets	:	Triplicates
Pre-treatment of sample	:	ETO Sterilisation
Inoculum Carrier	:	1:500 Nutrient Broth
Cover Film	:	LDPE Film (4cm x 4cm)
Lab Control	:	LDPE Film (5cm x 5cm)
Contact Time	:	24 hours at 35°C
Media Used	:	Soyabean-casein digest agar
Incubation Temperature	:	37°C for 48 hours
Neutraliser used	:	SCDLP Broth

Compliance for Conditions of Valid Test

Test Organism	Logarithmic Variance of Initial Untreated Recovery (U_0)	Validation Criteria for Initial Untreated Recovery (U_0)	Validation of Minimum Untreated Recovery Post-Contact (U_t)
Staphylococcus aureus ATCC 6538	0.03	Conforms	Conforms
Escherichia coli ATCC 8739	0.03	Conforms	Conforms
Acceptance	≤ 0.2	6.2×10^3 - 2.5×10^4 cells/cm^2	≥ 6.2×10^2 cells/cm^2

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Results:

ANTIBACTERIAL ACTIVITY

1. Test Organism : Staphylococcus aureus ATCC 6538

Quantitative Assessment of Activity : JIS Z 2801: 2010; Amendment 1: 2012			**Av.Count**	**Log**
Untreated Lab Control	Inoculum on untreated sample at 0 hours (U_0) CFU/cm^2		22000	4.34
	Inoculum on untreated sample at 24 hours (U_t) CFU/cm^2		62000	4.79
Sample Identification	**No. of Bacteria on treated Sample (A_t) CFU/cm^2**	**Log of Bacteria on treated Sample (A_t)**	**Antimicrobial Activity R = (U_t - U_0) - (A_t - U_0)**	
2602741/S03	<0.63	<-0.20	**>4.9 (>99.99%)**	**PASSES**
HMR Prelaminated Particle Board				

2. Test Organism : Escherichia coli ATCC 8739

Quantitative Assessment of Activity : JIS Z 2801: 2010; Amendment 1: 2012			**Av.Count**	**Log**
Untreated Lab Control	Inoculum on untreated sample at 0 hours (U_0) CFU/cm^2		24000	4.38
	Inoculum on untreated sample at 24 hours (U_t) CFU/cm^2		280000	5.45
Sample Identification	**No. of Bacteria on treated Sample (A_t) CFU/cm^2**	**Log of Bacteria on treated Sample (A_t)**	**Antimicrobial Activity R = (U_t - U_0) - (A_t - U_0)**	
2602741/S03	<0.63	<-0.20	**>5.6 (>99.99%)**	**PASSES**
HMR Prelaminated Particle Board				

The Standard Bacterial Effectiveness R > 2 log reduction

****** *End of Report* ******

BIOTECH TESTING SERVICES LLP BTS LLP MUMBAI

For Biotech Testing Services LLP

Dr. Shilpa U Nair
Quality Manager
(Authorized Signatory)

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Annexure

2602741/S03


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