TEST REPORT

REPORT NO. : BTS2602741-05	**DATE : 12-10-2026**
ULR NO. : TC848426000001627F	

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	:	08-09-2026
DATE OF COMPLETION	:	12-10-2026
SAMPLE DESCRIPTION	:	Sample Labeled as:-

Sample No.	Sample Details
2602741/S01	**Regular Grade Particle Board**

• Samples are not drawn by the laboratory • Results relate only to the samples tested
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Email: lab@biotechtestingservices.com / accounts@biotechtestingservices.com Format: F/7.8/102

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Name of Test :

ASTM G 21 - 21
Determining Resistance of Synthetic Polymeric Materials to Fungi

Mixed Spore Suspension of -

1. Aspergillus niger ATCC 9642
2. Penicillium pinophilum ATCC 11797
3. Gliocladium virens ATCC 9645
4. Chaetobium globosum ATCC 6205
5. Aurobasidium pullulans ATCC 15233

Experimental Conditions

Sample Size	:	50 mm x 50 mm
No of replicates	:	Three
Viability Control	:	Sterile Filter paper
Media used	:	Nutrient Salt agar
Incubation temperature	:	28°C ± 1°C
Humidity	:	>85% Relative Humidity
Duration of Exposure	:	28 days

Procedure:

Specimens of size 50 mms x 50 mms were placed on Nutrient salt agar. Composite spore suspension as listed below was sprayed on specimen. The Nutrient salt agar provides all of the trace nutritional elements needed by Fungi except Carbon source. Fungus grows only when it is able to use polymeric material as Primary carbon source. Inoculated samples were incubated and examined for fungal growth. Temperature and humidity were maintained for the duration of the test. Adequate positive and Negative controls were also included along with specimen.

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Results:

Sample Identification	Duration of the test				
	Replicates	Week 1	Week 2	Week 3	Week 4
2602741/S01	Set I	0	0	0	0
	Set II	0	0	0	0
	Set III	0	0	0	0
Control	Set I	1	2	3	3
	Set II	2	2	2	3
	Set III	1	2	3	4

Observations were made on weekly basis for appearance for the density of fungal growth. The filter paper control pieces had copious fungal growth at 2 weeks.

At 4th week, samples were rated "0" or "1" were examined microscopically to confirm the Ratings

Rating scale for the test is as follows:

Growth on specimen	Rating
None	0
Trace of Growth (< 10 %)	1
Light Growth (10 to 30 %)	2
Medium Growth (30 to 60 %)	3
Heavy Growth (60% to complete coverage)	4

COMMENTS :

Test sample labeled as **Regular Grade Particle Board** is **Resistant to fungal attack** at the end of 28 days of incubation when tested as per specified method.

****** *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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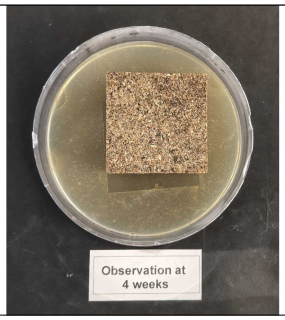
Annexure

2602741/S01	2602741/S01
	

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