



# SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi - 110007 (India)  
An ISO - 9001, 14001 & 45001 Certified Institute

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## TEST REPORT

NO : C1/0000408983

**Issued To :**

Client Code : (NODA01S5494)  
SKYDECOR LAMINATES PRIVATE LTD.  
F-26, SECTOR-8  
NOIDA  
UTTAR PRADESH-201301  
Kind Attn: MS. CHAMPA SAHA, SR. MANAGER

Date of issue : 13/11/2025  
Job No : 2511-1-111-256  
Booking No : RG2526/1/5593  
Booking Date : 05/11/2025  
Customer Ref No. : -  
Customer Ref Dt. : 05/11/2025  
Location : Laboratory

**Sample Particulars:**

Sample of ACRYLIC HPL, was received.

"The sampling was not carried out by Shriram Institute for Industrial Research. The sample details provided in test report are based on declaration by the customer."

Job No.: 2511-1-111-256

Discipline: Biological

Group: Biological Test and Other Miscellaneous Test Items

**Product Details** : ACRYLIC HPL  
**Test** : Antibacterial Activity and Efficacy of ACRYLIC HPL  
**Protocol** : As per guidelines of JIS-Z2801-2012  
**Test Organisms** : *Staphylococcus aureus* and *Escherichia coli*  
**Sample Size taken** : 50 mm x 50 mm pieces

## TEST RESULTS

### 1) Antibacterial Activity and Efficacy against *Staphylococcus aureus*

| S. No. | Untreated sample  | No of colonies (in cfu/piece) | Log Value |
|--------|---|-------------------------------|-----------|
| 1      | Number of bacteria inoculated per piece at 0 hrs ( $U_0$ )          | $5.2 \times 10^4$             | 4.71      |
| 2      | Number of bacteria inoculated per piece after 24 hrs incubation (U) | $5.8 \times 10^4$             | 4.76      |

Reviewed and Authorized by  
EMPLOYEE CODE: (5119 )



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## TEST REPORT

NO : C1/0000408983

| S. No. | ACRYLIC HPL   | No of colonies (in cfu/piece) | Log Value ( $A_t$ ) | Antibacterial Activity after 24 hrs ( $U_t - A_t$ ) |
|--------|---|-------------------------------|---------------------|---|
| 3      | Number of bacteria inoculated per piece at 24 hrs ( $A_t$ ) | <1                            | 0                   | 4.76  |

### 2) Antibacterial Activity and Efficacy against *Escherichia coli*

| S. No. | Untreated sample  | No of colonies (in cfu/piece) | Log Value |
|--------|---|-------------------------------|-----------|
| 1      | Number of bacteria inoculated per piece at 0 hrs ( $U_0$ )                | $5.2 \times 10^4$             | 4.71      |
| 2      | Number of bacteria inoculated per piece after 24 hrs incubation ( $U_t$ ) | $5.7 \times 10^4$             | 4.75      |

| S. No. | ACRYLIC HPL   | No of colonies (in cfu/piece) | Log Value ( $A_t$ ) | Antibacterial Activity after 24 hrs ( $U_t - A_t$ ) |
|--------|---|-------------------------------|---------------------|---|
| 3      | Number of bacteria inoculated per piece at 24 hrs ( $A_t$ ) | <1                            | 0                   | 4.75  |

**Interpretation:** The Antibacterial Activity and Efficacy of ACRYLIC HPL was found 4.76 against *Staphylococcus aureus* and 4.75 against *Escherichia coli* which were above the value of 2.0 as per guidelines of JIS-Z2801-2012, hence sample passes the test.

\*End of Report\*

Date of Receipt : 05.11.2025  
Date of Start : 08.11.2025  
Date of Completion : 13.11.2025

Reviewed and Authorized by  
EMPLOYEE CODE: (519 )