

TEST REPORT

LAB NO. : 2101535/ 1 - 3	DATE: 17/05/2021
---------------------------------	-------------------------

NAME OF CUSTOMER : M/S. STYLAM INDUSTRIES LIMITED

ADDRESS : SCO 14, Sector 7C, Madhya Marg,
Chandigarh, India

REFERENCE : Letter Ref: MKT – 05 /03/05/2021 dated May03, 2021
Kind Attention: Sachin Bhatla

DATE OF RECEIPT : 05/05/2021

DATE OF INITIATION : 05/05/2021

DATE OF COMPLETION : 17/05/2021

SAMPLE DESCRIPTION : Acrylic Solid Surface Sample labeled as -

Sr. No.	Sample Code
1.	Stylam Acrylic solid surface - Sample A (Control)
2.	Stylam Acrylic solid surface - Sample B
3.	Stylam Acrylic solid surface - Sample C
Untreated lab control	

Name of Test:

Evaluation of Antimicrobial Activity of Acrylic Solid Surface Sample

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 : Buffered Saline with Tween 80 - 0.01 %

Contact Time : 24 hours at 37^o C

Incubation Temperature : 37^o C for Bacteria

Media and Reagent : Soyabean-casein digest agar for Bacteria

• Samples are not drawn by the laboratory • Result relate only to the samples tested
• This report shall not be reproduced except in full without prior permission of this laboratory



BIOTECH TESTING SERVICES

Results:

ANTIBACTERIAL ACTIVITY

1. Test Bacteria: Staphylococcus aureus ATCC 6538

Quantitative Assessment of Activity - JIS Z 2801: 2010				
Control: Conc. of Inoculum on untreated sample at 0 hours (A): 1.10×10^4				Log = 4.04
Control: Conc. of Inoculum on untreated sample after 24 hour (B): 3.10×10^5				Log = 5.49
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
Stylam Acrylic solid surface - Sample A (Control)	9200	3.96	1.53	97.03
Stylam Acrylic solid surface - Sample B	760	2.88	2.61	99.75
Stylam Acrylic solid surface - Sample C	210	2.32	3.17	99.93

2. Test Bacteria: Escherichia coli ATCC 8739

Quantitative Assessment of Activity - JIS Z 2801: 2010				
Control: Conc. of Inoculum on untreated sample at 0 hours (A): 4.00×10^4				Log = 4.60
Control: Conc. of Inoculum on untreated sample after 24 hour (B): 6.10×10^5				Log = 5.78
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
Stylam Acrylic solid surface - Sample A (Control)	320000	5.50	0.28	47.54
Stylam Acrylic solid surface - Sample B	2720	3.43	2.35	99.55
Stylam Acrylic solid surface - Sample C	540	2.73	3.05	99.91

The Standard Antimicrobial value of Evaluation $R \geq 2.0$

COMMENT:

When tested as specified, Test sample labeled as Stylam Acrylic solid surface - **Sample B** and Stylam Acrylic solid surface - **Sample C** **PASS** the Quantitative Assessment of activity; Stylam Acrylic solid surface - Sample A (Control) **FAILS** the Quantitative Assessment of activity for Staphylococcus aureus and Escherichia coli by JIS Z 2801: 2010 Test Method.



For BIOTECH TESTING SERVICES

Shilpa

Dr Shilpa U. Nair
Quality Manager
(Authorized Signatory)

• Samples are not drawn by the laboratory • Result relate only to the samples tested
• This report shall not be reproduced except in full without prior permission of this laboratory

2101535/ 1 - 3
Page 2 of 2