

Report Number : BOMT16032241



TEST REPORT**NUMBER : BOMT16032241****DATE : 31-Jul-2016**

APPLICANT : Crown Laminates Pvt. Ltd.
6 Patel Avenue, 1st Floor,, Near
Gurudwara,S.G. Highway, Ahmedabad,
Gujarat, 380 059, INDIA

ATTN : Arpita Patel

Sample Description : TWO PIECES EACH OF SUBMITTED WOODEN SAMPLES.

SUPPLIER NAME : GTVL JOCKEY

Date Received/Date Test Started : 25 Jul 2016
Date Confirmation Received : 31 Jul 2016
Buyer : NOT PROVIDED
Order No : -
Fibre Content : -
Color : (A)TREATED-BROWN , (B)UNTREATED-WHITE
Style No : -
Article No : -
Country Of Origin : -

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

AUTHORIZED BY
FOR Intertek India Private Limited - [Mumbai]



SUNDARMURTHY KRISHNAN
NATIONAL HEAD - PHYSICAL

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

Name of Test:

Evaluation of Antimicrobial Activity of Wooden specimen

Name of Test Protocol:

ISO 22196 - 2007

Test Organisms used for evaluating Antimicrobial activity:

1. Staphylococcus aureus ATCC 6538
2. Escherichia coli ATCC 8739
3. Klebsiella pneumoniae ATCC 4352
4. Pseudomonas aeruginosa ATCC 9027
5. Salmonella typhimurium ATCC 14028
6. Meticillin Resistant Staphylococcus aureus (MRSA) AATCC 43300

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

RESULTS:

ANTIBACTERIAL ACTIVITY

1. Test Bacteria: Staphylococcus aureus ATCC 6538

Quantitative Assessment of Activity - ISO 22196 – 2007				
UT Lab. Control: Conc. of Inoculum on untreated sample at 0 hours (A): 1.88×10^4				Log = 4.27
UT Lab. Control: Conc. of Inoculum on untreated sample after 24 hour (B): 5.90×10^5				Log = 5.77
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
A: TREATED – BROWN	2860	3.45	2.32	99.51
B: UNTREATED – WHITE	37000	4.56	1.21	93.72

2. Test Bacteria: Escherichia coli ATCC 8739

Quantitative Assessment of Activity - ISO 22196 – 2007				
UT Lab. Control: Conc. of Inoculum on untreated sample at 0 hours (A): 2.80×10^5				Log = 5.44
UT Lab. Control: Conc. of Inoculum on untreated sample after 24 hour (B): 2.31×10^6				Log = 6.36
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
A: TREATED – BROWN	3400	3.53	2.83	99.85
B: UNTREATED – WHITE	440000	5.64	0.72	80.95

3. Test Bacteria: Klebsiella pneumoniae ATCC 4352

Quantitative Assessment of Activity - ISO 22196 – 2007				
UT Lab. Control: Conc. of Inoculum on untreated sample at 0 hours (A): 2.48×10^4				Log = 4.39
UT Lab. Control: Conc. of Inoculum on untreated sample after 24 hour (B): 2.09×10^6				Log = 6.32
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
A: TREATED – BROWN	1700	3.23	3.09	99.91
B: UNTREATED – WHITE	510000	5.70	0.62	75.59

4. Test Bacteria: Pseudomonas aeruginosa ATCC 9027

Quantitative Assessment of Activity - ISO 22196 – 2007				
UT Lab. Control: Conc. of Inoculum on untreated sample at 0 hours (A): 2.44×10^4				Log = 4.30
UT Lab. Control: Conc. of Inoculum on untreated sample after 24 hour (B): 7.40×10^5				Log = 5.86
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
A: TREATED – BROWN	5400	3.73	2.13	99.27
B: UNTREATED – WHITE	87000	4.93	0.93	88.24

5. Test Bacteria: Salmonella typhimurium ATCC 14028

Quantitative Assessment of Activity - ISO 22196 – 2007				
UT Lab. Control: Conc. of Inoculum on untreated sample at 0 hours (A): 1.19×10^4				Log = 4.07
UT Lab. Control: Conc. of Inoculum on untreated sample after 24 hour (B): 6.80×10^5				Log = 5.83
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
A: TREATED – BROWN	5600	3.74	2.09	99.17
B: UNTREATED – WHITE	13000	4.11	1.72	98.08

6. Test Bacteria: Meticillin Resistant Staphylococcus aureus (MRSA) AATCC 43300

Quantitative Assessment of Activity - ISO 22196 – 2007				
UT Lab. Control: Conc. of Inoculum on untreated sample at 0 hours (A): 1.89×10^4				Log = 4.27
UT Lab. Control: Conc. of Inoculum on untreated sample after 24 hour (B): 2.40×10^5				Log = 5.38
Sample Identification	No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
A: TREATED – BROWN	750	2.87	2.51	99.68
B: UNTREATED – WHITE	164000	5.21	0.17	31.66

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

When tested as specified, Sample labeled **A: TREATED – BROWN; PASSES** the Quantitative Assessment of activity for Staphylococcus aureus, Escherichia coli, Klebsiella pneumonia, Pseudomonas aeruginosa, Salmonella typhimurin and Meticillin Resistant Staphylococcus aureus by **ISO 22196 - 2007 Test Method**.

END OF THE TEST REPORT

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