



काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY

(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्)

(Indian Council of Forestry Research and Education)

(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, की एक स्वायत्त निकाय)
(An Autonomous Body of Ministry of Environment, Forest and Climate Change, Govt. of India)
<http://iwst.icfre.gov.in>



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सं./SC/CTO/109/FSK-6105/RTIPL/2024/ Gujarat

दि./Dated: 03.07.2024

सेवा में/To

M/s. Royale Touche Industries Pvt. Ltd.
Satyamev Industrial Heartland
Chhatral-Nandasan Highway
Survey No.2604, Vill- Dangarva
Ta- Kadi, Dist- Mehsana
Gujarat- 382705

आदरणीय महाशय,

Dear Sir,

विषय : नमूना की परीक्षण रिपोर्ट

Sub : Test Report for Formaldehyde Emission as per JIS A 1460:2015

संदर्भ : आपका पत्रांक दिनांक

Ref : Your e_mail Dated 19.05.2024

(Sample received on 21.05.2024)

उपरोक्त उल्लिखित संदर्भ में आपके द्वारा दिए गए नमूनों को संलग्न प्रतिवेदन में उल्लिखित मानकों के अनुसार, आईडब्ल्यूएसटी (भूतपूर्व इपिटी) के संबंधित प्रभाग से परीक्षण किया गया।

Samples submitted by you vide above cited reference has been tested by the relevant Division of IWST (erstwhile IPIRTI) as per the standards mentioned in the attached report.

आपकी सेवा करने का यह अवसर सराहनीय है। यह सौभाग्य भविष्य में पाने की उम्मीद है।

The opportunity to serve you is highly appreciated. Hoping to have the same privilege in future.

भवदीय,

Yours faithfully,

संलग्नक: क/क

Encl: a/a

Shalini P Rao

Shalini P Rao

Chief Technical Officer

Institute of Wood Science and Technology

IPIRTI Campus, Bengaluru - 560 022

Head Office: ICFRE- Institute of Wood Science and Technology, Malleswaram Campus : 18th Cross, Malleswaram P.O., Bangalore – 560 003

Website: <http://iwst.icfre.gov.in> email: dir_iwst@icfre.org Phone: 080- 23341731/ 080-23340529 / 080- 2219 0100(Dir)

IPIRTI Campus Peenya: Near Platinum City Apartments, HMT Link Road, Off.Tumkur Road,
Yeshwantpur PO,Bangalore-560022 / 080-30534036(Genl)/080-30534021(SampleCell)
samplecell@ipirti.gov.in/samplecelliwst@gmail.com/samplecell.ipirti@gmail.com

Field Station: ICFRE- Institute of Wood Science and Technology
2/2, Biren Roy Road(West), Sarsuna, Kolkata- 700 061
033-24983120 / samplecellfsk@icfre.org / oicsrfk@icfre.org

As per GoI, MoEF&CC, Order No. F.No. 16-1/2022-RT dated 22.10.2022, Indian Plywood Industries Research and Training Institute (IPIRTI), has been merged with Institute of Wood Science and Technology (IWST), Bengaluru

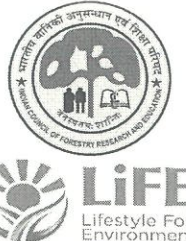


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TEST REPORT

TC1019524000001187P

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Satyamev Industrial Heartland
Chhatral-Nandasan Highway
Survey No.2604, Vill- Dangarva
Ta- Kadi, Dist- Mehsana
Gujarat- 382705

REPORT सं./SC/CTO/109/FSK-6105/RTIPL/2024/ Gujarat

दि./Dated: 03.07.2024

Ref: Your e_mail Dated 19.05.2024

Date of performance of test: 10.06.2024 to 20.06.2024

PART – A: PARTICULARS OF THE SAMPLE SUBMITTED:

(a) Nature of Sample	:	Plywood
(b) Grade/Variety/Type/Class/Size etc.	:	Grade- BWP, Size- 1ft x 1ft
(c) Declared Values, if any	:	--
(d) Code No.	:	--
(e) Batch No. & Date of Manufacture	:	--
(f) Quantity	:	3No
(g) Date of Receipt	:	21.05.2024
(h) Seal	:	--
(i) IO's Signature	:	--
(j) Any Other Information	:	Royale Touche Promaxx & Resin- Phenolic with scavenger

Shalini P R

Shalini P Rao

Chief Technical Officer

Institute of Wood Science and Technology,
IPIRTI Campus, Bengaluru - 560 022

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PART – B: SUPPLEMENTARY INFORMATIONS:

- (a) Reference to the sampling procedure, wherever applicable : N.A.
(b) Supporting documents for the measurement taken : N.A.
and results derived like graphs, tables, sketches
and/or photographs as appropriate to the test report
if any (To be attached)
(c) Deviations from test methods as prescribed in : N.A.
relevant ISS/Work Instructions, if any

PART – C: TEST RESULT:

I. CHEMICAL TESTING

1. Wood & Wood Products (a). Plyboard

Determination of formaldehyde emission by Desiccator method” as per JIS A 1460:2015. The results are given below:

1. Name and Address of the laboratory : Tested at IWST Field Station Kolkat
Chemistry Laboratory
2. Type of board as received : Plywood
3. Thickness, mm : 18.52
4. Density, kg/m³ : 602
5. Moisture Content, % : 6.43
6. Surface treatment : Surface treatment was not provided on the sample
7. Details of edge treatment : No edge treatment
8. Cut off location : 5cm away from all sides of the board
9. No of test specimens : 08
10. Conditioning of test samples : @20°C 65%RH
11. Temperature and Humidity of test
environment : 20.3°C
12. Date of the test : 20.06.2024
13. Background formaldehyde level in the
test environment, if determined : 0.0021 mg/L
14. Formaldehyde emission in mg/L : 0.482 mg/L
15. Formaldehyde emission in ppm : 0.482 ppm

Remarks: The emission limit as per JIS A5905 & JIS A5908 for F* is $0.4 \leq 0.7$ mg/L for wood particle board. The formaldehyde emission value obtained is 0.482 mg/L. Hence, the sample conforms to the requirement of F*** as per JIS A5905 & JIS A5908 and as per Japanese Agricultural Standard (JAS) Formaldehyde emission for plywood.**

Note:

- (1) The test report is relevant to the sample received for testing.
(2) Remnants of tested material if any will be retained for a period of 6 months only

Shalini PR

Shalini P Rao

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