



TEST CERTIFICATE

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Sample: FUMA 2

Sample Description: FUMA 2

Ref. No.: Nil

Issued To: FUMA Labs

100, NCL, Innovation Park,
Dr. Homi Bhabha Road,
Pashan, Pune-411008.
India.

Report No: 21005079

Report Issue Date: 04/10/2021

Job Code: STRC/21005079

Date of testing: 27/09/2021-04/10/2021

Sample Received On: 27/09/2021

Sample Qty.: 2 pcs

Page 1 of 3

1. Formaldehyde , ppm

Test Method : ASTM D6007 (Standard test Method for Determining Formaldehyde Concentration in air from wood Products using small-scale chamber)

Sample Name : FUMA 2

Date of Starting : 28/09/2021

Date of Completion : 04/10/2021

General Principle

This test method covers a small scale procedure for measuring formaldehyde emission potential from wood products. The formaldehyde level is determined by collecting air-borne formaldehyde in a small distilled water reservoir within a closed desiccator. The quantity of formaldehyde is determined by a modification of the National Institute for occupational Safety and Health (NIOSH) 3500 chromotropic acid test procedure. The sample was deconstructed according to CARB II requirement. Wood product typically evaluated by this test method are made with urea- formaldehyde adhesive and include but are not limited to particle board, hardwood, plywood and medium-density fiber-board.

Test Results:

S. No.	Test	Unit	Result
1.	Formaldehyde Concentration in chamber air	ppm	0.021

Comments: This material as received would likely meet the requirements set forth under the CARB II program established by California Air Resource Board.

Specification:

HWPW-VA	HWPW-CC	PB	MDF	MDF
0.05 max.	0.05 max.	0.09 max.	0.11 max.	0.13 max.

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Santram Rajput
Technical Manager



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Report Issue Date: 04/10/2021

Page 2 of 3

Specimen Details and Apparatus

Size of specimen, mm	100x100	Total exposed area, m ²	0.06
Number of specimen	3	Number of exposed surface	6
Chamber size, cm	50x50x40	Chamber volume, m ³	0.1
Makeup air flow rate (nominal), m ³ /Hr	0.03	Q/A ratio (nominal), m/h	1.908
Sampling Time, minutes	60	Actual volume of air sample, L	30
Chamber Temperature, °C	25.7	Chamber Humidity, %RH	51.6
Barometric Pressure, kilo Pascal	98.6	Air exchange Rate	0.03
Loading Ratio, m ² /m ³	0.06	Absorbing Media Volume, ml	20
Air Sample flow rate, ml/m	100	-	--

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(1) The Test results listed refer only to tested samples and applicable parameters. Endorsement of product is neither inferred nor implied. (2) Total liability of our Lab is limited to the invoiced amount. (3) Sample(s) are retained for 7 days (in case of perishable items) and 30 days for non perishable samples or unless otherwise specified. (4) This Test Report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without our special permission in writing. (5) The Test Report refer to the sample submitted to us and not drawn by Sigma Test & Research Centre unless mentioned otherwise.

Report No.: 21005079

Report Issue Date: 04/10/2021

Page 3 of 3



Note: Sigma Test & Research Centre authenticate photos on original report only.

*****End of Report*****

Format No.: STRC/7.8/F/TC/Z/00

