

**BUREAU OF INDIAN STANDARDS
BIS Patna Branch Laboratory (PBL)**

ULR No. :

DOC No. : Bureau of Indian Standards, Patliputra Industrial
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BO Code : AHBO

Test REPORT AS PER : IS 1659 (2004)

QR Code/Barcode : 100000959178

**REPORT NO : AHBO/120000703/20250224/FS/
1_1**

DATE : 24 Apr, 2025

PART A. PARTICULARS OF SAMPLE SUBMITTED

a) Customer Name & Address : -
b) Nature of sample : FS
c) Grade/Variety/Type/Class Size etc : Block boards- Size-2140×1220×19 mm Tyes - commercial Grade -BWP
d) Declare values, if any : Block boards- Size-2140×1220×19 mm Tyes - commercial Grade -BWP
e) Batch No. & Date of Manufacture : CU no-19B25/
f) Quantity : One Block Board
g) Date of Receipt : 17 Mar, 2025
h) BIS Seal : Verified by Sample Cell
i) IO's Signature : Verified by Sample Cell
j) Any other Information / Expiry Date, If any : BLOCK BOARDS/NA
k) Date of Commencement of Testing : 29 Mar, 2025
l) Date of Completion of Testing : 23 Apr, 2025
m) Section Code : 25M8006N
n) Section Report No. : 25M8006N_1
o) Report Type : New
p) Reference Report No. :
q) Remarks :

Anuj Kumar
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 24 Apr, 2025 12:21 PM

1. This report, in full or in part, shall not be published, advertised, used for commercial purpose or any legal action, unless prior permission has been secured from the Director General, Bureau of Indian Standards . This report is intended for "BIS CERTIFICATION MARKS PURPOSE ONLY"

2. This test report is ONLY FOR THE SAMPLE TESTED.

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PART B. SUPPLEMENTARY INFORMATION

- | | |
|--|----------------|
| 1. Reference to sampling procedure, wherever applicable. | Not Applicable |
| 2. Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. | Not Applicable |
| 3. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. | Not Applicable |
| 3. NABL Report required ? | - |

NISHANT PARASAR
OIC Mechanical
(Authorized Signatory)
Authorized on: 23 Apr, 2025 11:44 AM

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PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	9.2.6 (mechanical)	Spot test - Annexure L	9.2.6 Spot TestThe preservative treatment when tested according to the method given in Annex K, at any given place after cutting across entire cross-sectional area for the width of block board shall show through and through penetration of preservative chemical.	-	-	-	Preservative treatment not declared
2	8.1.3, 6.3.3, IS 303	Visual Inspection - Permissible Defects - IS 303 [test method for COMMERCIAL type]	8.1.3 - All block boards selected as in 8.1.2 shall be inspected visually for surface defects (see 6.3.3) and if one or more block boards are found unsatisfactory, the lot shall be declared as unacceptable. 6.3.3 - Permissible defects and tolerances on thickness shall conform to IS 303 and IS 1328 for commercial and decorative veneers, respectively.	-	-	-	COM
3	8.1.3, 6.3.3, IS 1328	Visual Inspection - Permissible Defects - IS 1328 [test method for DECORATIVE type]	8.1.3 - All block boards selected as in 8.1.2 shall be inspected visually for surface defects (see 6.3.3) and if one or more block boards are found unsatisfactory, the lot shall be declared as unacceptable. 6.3.3 - Permissible defects and tolerances on thickness shall conform to IS 303 and IS 1328 for commercial and decorative veneers, respectively.	-	-	-	Test Not Applicable
4	7.3	Dimensional Requirements - Length - 8.1.4	mm	2140.0	2146.0	mm	2140.0
5	7.3	Dimensional Requirements - Width - 8.1.4	mm	1220.0	1223.0	MM	1220.0
6	7.3	Dimensional Requirements - Thickness - Annexure E	mm	18.05	19.95	mm	19.54
7	7.3	Dimensional Requirements - Edge Straightness - Annexure D	%	-	0.2	%	0.09

8	7.3	Dimensional Requirements - Squareness - Annexure D	%	-	0.2	%	0.12
9	7.3	Dimensional Requirements - Variation in thickness - Annexure E	variation in thickness between any two points on a block board as specified under 7.3 when tested by the method described in Annex E	-	0.5	mm	0.3
10	9.2.1	Dimensional Changes caused by humidity - Change in Length - at 90% RH - Annexure F	mm	-1.0	1.0	mm	0.2
11	9.2.1	Dimensional Changes caused by humidity - Change in Length - at 40% RH - Annexure F	mm	-1.0	1.0	mm	-0.1
12	9.2.1	Dimensional Changes caused by humidity - Change in Thickness - at 90% RH - Annexure F	mm	-1.0	1.0	mm	0.1
13	9.2.1	Dimensional Changes caused by humidity - Change in thickness - at 40% RH - Annexure F	mm	-1.0	1.0	mm	-0.1
14	9.2.1	Dimensional Changes caused by humidity - Delamination - Annexure F	There shall be no delamination at the extreme humidity ranges	-	-	-	Satisfactory
15	9.2.1	Dimensional Changes caused by humidity Change in local planeness - Annexure F	d/L < 1/150	-	0.0066	mm	0.003
16	9.2.2	Resistance to water - Annexure G, Annexure H [For BWP grade]	9.2.2 Resistance to Water When tested according to the methods specified in 9.2.2.1 and 9.2.2.2, the block boards shall satisfy the requirements given therein. 9.2.2.1 Test specimens from BWP Grade block boards, after soaking in boiling water for 72 h and tested as in Annex F shall comply with the requirements of 9.2.3.	-	-	-	Specimens (01 to 03) = Minimum pass
17	9.2.2	Resistance to water - Annexure G, Annexure H [For MR Grade]	9.2.2 Resistance to Water When tested according to the methods specified in 9.2.2.1 and 9.2.2.2, the block boards shall satisfy the requirements given therein. 9.2.2.2 Test specimens from MR Grade block boards, after soaking of test pieces for 3 h in water at a temperature of 60 ± 2°C and tested as in Annex F shall comply with the requirements of 9.2.3.	-	-	-	Test Not Applicable

18	9.2.3	Adhesion of Plies - Annexure H	The adhesion of plies shall be tested as in Annex H and the fractured surface of the specimen shall show adherent fibres of a 'pass standard'.	-	-	-	Specimens (01 to 03) = Excellent
19	9.2.4	Mycological Test [for MR grade only] - Annexure J	Shall show no visible signs of separation at the edges	-	-	-	Test Not Applicable
20	9.2.5	Modulus of rupture - AVERAGE - Annexure K	N/mm ²	50.0	-	N/mm ²	63.287
21	9.2.5	Modulus of rupture - MINIMUM INDIVIDUAL - Annexure K	N/mm ²	42.0	-	N/mm ²	58.17
22	9.2.5	Modulus of elasticity - AVERAGE - Annexure K	N/mm ²	5000.0	-	N/mm ²	11234.23
23	9.2.5	Modulus of elasticity - MINIMUM INDIVIDUAL - Annexure K	N/mm ²	4200.0	-	N/mm ²	9614.1

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PART D. REMARKS

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