

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Aankan Calibration and Testing Centre LLP

Plot No. B, LS No. 193, Opposite Jay Pump, Dantali, Kalol,
Gandhinagar-382721, Gujarat, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0072

Valid from: 14 August 2024

Valid until: 13 August 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
1.	Thermoplastics pipes and fittings	Effect on water - Dialkyl Tin C4 and higher homologues	IS 12235 (Part 4 & 10): 2004
2.		Effect on water - cadmium	IS 12235 (Part 4): 2004
3.		Effect on water - Lead (PB)	IS 12235 (Part 4): 2004
4.		Effect on water - Mercury (HG)	IS 12235 (Part 4): 2004
5.		Resistance to sulphuric acid	IS 12235 (Part 7): 2004
6.		Effect on water - other toxic substances	IS 12235 (Part 10): 2004
7.	Polyvinyl chloride (PVC) and its copolymers	Vinyl chloride monomer content	IS 10151: 2019 (Annex A)
8.	Irrigation equipment- Polyethylene pipes for irrigation laterals	Toluene extract of carbon black	IS 12786: 2024 (Annex A)
9.		Volatile matter of carbon black	IS 12786: 2024 (Cl. 4.1 Annex B)
10.	Plastics	Ash content	IS 13360 (Part 8/sec.8): 2021
11.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Ash content	IS 17425: 2020
12.	Polyethylene moulding materials and polyethylene compounds	Carbon black content (CBC)	IS 2530: 1963
13.		Carbon black dispersion (CBD)	IS 2530: 1963
14.	Methods of test for Polyvinyl chloride resins	K value	IS 4669:1968
15.	Carbon black	Ash content	IS 4984:2016
16.	PE granules	Volatile content in PE granules	IS 4984:2016 (Annex C)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
17.	Unplasticized PVC pipes for potable water supplies	Sulphated ash content	IS 4985:2021 (Annex B)
18.	PE granules	Water content of PE granules	IS 4984:2016 (Annex D)
19.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Chlorine content	IS 15778:2007 (Annex B)
20.	Chlorinated polyvinyl chloride (CPVC) compound	Ash content	IS 15225:2002 (Annex C)

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Synthetic resin adhesives for plywood	Acidity and alkalinity	IS 848:2006 (Annex B)
2.	Prelaminated particle boards	Resistance to stain	IS 12823:2023 (Annex G)
3.	Block board	Spot test	IS 1659:2004 (Annex K)
4.	Wood products (Preservative treated plywood)	Retention of preservative	IS 2753: Part 1: 1991 & IS 2753: Part 2: 2014



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
1.	Unplasticized PVC pipes for potable water supplies	Colour of pipe	IS 4985:2021 (Cl. 10.1)
2.	Polyethylene pipes for water supply	Colour of pipe	IS 4984:2016 (Cl. 6.2.1)
3.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Colour of pipe	IS 13592:2013 (Cl. 5)
4.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Colour of pipe	IS 14333:2022 (Cl. 6.2)
5.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Colour of pipe	IS 17425:2020 (Cl. 6.2.6)
6.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Colour of pipe	IS 12818:2010 (Cl. 5)
7.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Colour of pipe	IS 15778:2007 (Cl. 9.1)
8.	Unplasticized PVC pipes for potable water supplies	Visual appearance	IS 4985:2021 (Cl. 10.1)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
9.	Polyethylene pipes for water supply	Visual appearance	IS 4984:2016 (Cl. 7.1)
10.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Visual appearance	IS 13592:2013 (Cl. 8.1)
11.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Visual appearance	IS 14333:2022 (Cl. 7.1)
12.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Visual appearance and workmanship	IS 17425:2020 (Cl. 7.1.1)
13.	Irrigation equipment- polyethylene pipes for irrigation laterals	Visual appearance	IS 12786:2024 (Cl. 6)
14.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/ tubewell	Visual appearance	IS 12818:2010 (Cl. 9.1)
15.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Visual appearance	IS 15778:2007 (Cl. 9.1)
16.	Unplasticized PVC pipes for potable water supplies	Classification of pipe	IS 4985:2021 (Cl. 5)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
17.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Classification of pipe	IS 17425:2020 (Cl. 6)
18.	Irrigation equipment polyethylene pipes for irrigation laterals	Classification of pipe	IS 12786:2024 (Cl. 3)
19.	Irrigation equipment -emitting pipes system	General	IS 13488:2008 (Cl. 6.3)
20.	Unplasticized PVC pipes for potable water supplies	Sealing ring (hardness)	IS 4985:2021 (Cl. 8)
21.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Rubber ring (shore hardness & accelerated storage test)	IS 17425:2020 (Cl. 6.2.6)
22.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/ tubewell	Sealing ring (hardness)	IS 12818:2010 (Cl. 8.4)
23.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/ tubewell	Sealing ring (dimensions)	IS 12818:2010 (Cl. 8.4.1)
24.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Pipe end	IS 15778:2007 (Cl. 8)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
25.	Unplasticized PVC pipes for potable water supplies	Pipe end	IS 4985:2021 (Cl. 9)
26.	Unplasticized PVC pipes for potable water supplies	Marking	IS 4985:2021
27.	Polyethylene pipes for water supply	Marking	IS 4984:2016
28.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Marking	IS 12818:2010
29.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Marking	IS 13592:2013
30.	Irrigation equipment-polyethylene pipes for irrigation laterals	Marking	IS 12786:2024
31.	Irrigation equipment -emitting pipes system	Marking	IS 13488:2008
32.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Marking	IS 17425:2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
33.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Marking	IS 14333:2022
34.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Marking	IS 15778:2007
35.	Thermoplastics pipes and fittings	Measurement of mean outside diameter	IS 12235: (Part 1):2004
36.	Thermoplastics pipes and fittings	Measurement of outside diameter at any point	IS 12235: (Part 1):2004
37.	Thermoplastics pipes and fittings	Measurement of wall thickness	IS 12235: (Part 1):2004
38.	Thermoplastics pipes and fittings	Measurement of socket length (depth) and socket diameters	IS 12235: (Part 1):2004
39.	Thermoplastics pipes and fittings	Measurement of overall length of pipe	IS 12235: (Part 1):2004
40.	Polyethylene pipes for water supply	Dimension (length)	IS 4984:2016 (Cl. 7.2)
41.	Polyethylene pipes for water supply	Dimension (mean OD)	IS 4984:2016 (Cl. 7.4)
42.	Polyethylene pipes for water supply	Dimension (ovality)	IS 4984:2016 (Cl. 7.4)
43.	Polyethylene pipes for water supply	Dimension (wall thickness of pipe)	IS 4984:2016 (Cl. 7.4)
44.	Polyethylene pipes for water supply	Identification stripes (width)	IS 4984:2016 (Cl. 6.2.1)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
45.	Polyethylene pipes for water supply	Identification stripes (depth)	IS 4984:2016 (Cl. 6.2.1)
46.	Polyethylene pipes for water supply	Identification stripes (colour)	IS 4984:2016 (Cl. 6.2.1)
47.	Polyethylene pipes for water supply	Identification stripes (number)	IS 4984:2016 (Cl. 6.2.1)
48.	Irrigation equipment- polyethylene pipes for irrigation laterals	Dimensions (outside diameter)	IS 12786:2024 (Cl. 5)
49.	Irrigation equipment- polyethylene pipes for irrigation laterals	Dimensions (wall thickness)	IS 12786:2024 (Cl. 5)
50.	Irrigation equipment -emitting pipes system	Dimensions (wall thickness)	IS 13488:2008 (Cl. 8.3)
51.	Irrigation equipment -emitting pipes system	Dimensions (inside diameter)	IS 13488:2008 (Cl. 8.3)
52.	Irrigation equipment -emitting pipes system	Dimension (flow paths in emitting unit)	IS 13488:2008 (Cl. 8.3)
53.	Irrigation equipment -emitting pipes system	Dimension (spacing of emitter units)	IS 13488:2008 (Cl. 8.3)
54.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Dimensions (diameter and wall thickness)	IS 13592:2013 (Cl. 7.1)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
55.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Dimensions (length of pipe)	IS 13592:2013 (Cl. 7.2)
56.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Dimensions (socket of pipe)	IS 13592:2013 (Cl. 7.3)
57.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Dimension (OD & ID)	IS 17425:2020 (Cl. 5)
58.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Dimension (wall thickness of pipe)	IS 17425:2020 (Cl. 5)
59.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Out of square	IS 17425:2020 (Cl. 7.1.1)
60.	Irrigation equipment - quick coupled polyethylene pipes	Ovality	IS 17425:2020 (Cl. 5)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
	and fittings for sprinkler irrigation systems		
61.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Quick coupled fittings	IS 17425:2020 (Cl. 7.3)
62.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Dimensions	IS 17425:2020 (Cl. 5)
63.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Dimensions (outside diameter)	IS 14333:2022 (Cl. 6)
64.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Dimensions (wall thickness)	IS 14333:2022 (Cl. 6)
65.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Dimensions (ovality)	IS 14333:2022 (Cl. 6)
66.	Polyethylene pipes for sewerage and industrial chemicals and effluent	Dimensions (length of straight pipe)	IS 14333:2022 (Cl. 6)
67.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Dimensions	IS 15778:2007(Cl. 7)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
68.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Dimensions (effective length of pipe)	IS 15778:2007 (Cl. 7)
69.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Pipe end	IS 15778:2007 (Cl. 8)
70.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Dimensions (screen pipe)	IS 12818:2010 (Cl. 7.1)
71.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Dimensions (casing pipe)	IS 12818:2010 (Cl. 7.2)
72.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Dimensions (ribs)	IS 12818:2010 (Cl. 7.3)
73.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Dimensions (length of pipe)	IS 12818:2010 (Cl. 7.4)
74.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Dimensions (slots)	IS 12818:2010 (Cl. 7.5)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
75.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Threading of screen and casing pipes	IS 12818:2010 (Cl. 8)
76.	Unplasticized polyvinyl chloride (PVC-U) screen and casing pipes for bore/tubewell	Test for internal diameter (for casing pipe)	IS 12818:2010
77.	Irrigation equipment-polyethylene pipes for irrigation laterals	Susceptibility to environmental stress cracking (ESCR test)	IS 12786 :2024 (Annex D)
78.	Polyethylene pipes for water supply	Oxidation induction time (OIT)	IS 4984:2016 (Annex B)
79.	UPVC pipes for water supply	Over all migration test	IS 9845:1998 & IS 10146: 1982
80.	Thermoplastics pipes and fittings	Opacity test (standard sample)	IS 12235 (Part 3):2004
81.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Axial shrinkage (only for Type-B)	IS 13592:2013 (Annex B)
82.	Thermoplastics pipes and fittings	Resistance of dichloromethane at specified temperature	IS 12235 (P-11):2004
83.	Thermoplastics pipes and fittings	Stress relief test	IS 12235 (P-6):2004

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
84.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Effect of sunlight	IS 12235 (P-13):2004 (as per IS 13592 Cl. 8.5)
85.	Thermoplastics pipes and fittings	Density	IS 12235 (P-14):2004
86.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Density	IS 17425:2020 (Cl. 4.1.5)
87.	UPVC pipe for water supply	Density	IS 7328:2020
88.	UPVC pipe for water supply	Density	IS 13360 (Part-3/Sec.10): 2021
89.	Thermoplastics pipes and fittings	Reversion test	IS 12235 (Part 5, Sec 1 & 2): 2004
90.	Polyethylene pipes for water supply	Reversion test	IS 4984:2016 (Annex F)
91.	Irrigation equipment- polyethylene pipes for irrigation laterals	Reversion test	IS 12786:2024
92.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Reversion test	IS 17425:2020 (Cl. 7.1.3)
93.	Thermoplastics pipes and fittings	Vicat softening temperature	IS 12235 (Part 2):2004

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
94.	UPVC pipe for water supply	Vicat softening temperature	IS 13360 (Part-6/Sec-1):2018
95.	Unplasticized PVC pipes for potable water supplies	Resistance to external blows at 0°C	IS 4985:2021 (Annex C)
96.	Thermoplastics pipes and fittings	Resistance to external blows at 0°C	IS 12235 (Part 9):2004
97.	Polyethylene pipes for water supply	Tensile strength for butt fusion	IS 4984:2016 (Annex G)
98.	Polyethylene pipes for water supply	Tensile properties (elongation at break & tensile strength)	IS 4984:2016 (Annex H)
99.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Tensile properties (elongation at break & tensile strength)	IS 17425:2020 (Annex-D)
100.	Irrigation equipment- polyethylene pipes for irrigation laterals	Tensile test	IS 12786:2024
101.	Methods of test for polyethylene moulding materials and polyethylene compounds	Tensile properties (elongation at break & tensile strength)	IS 2530:1963
102.	Thermoplastics pipes and fittings	Tensile properties (elongation at break & tensile strength)	IS 12235 (Part 13): 2004
103.	Plastics - methods of testing: part 5 mechanical properties section 1 determination of tensile properties - general requirements	Tensile properties (elongation at break & tensile strength)	IS 13360 (Part 5, Sec.1): 2021

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
104.	Methods of test for polyethylene moulding materials and polyethylene compounds	Melt flow rate (MFI)	IS 2530: 1963
105.	Plastics - methods of testing: part 5 mechanical properties section 1 determination of tensile properties - general requirements	Melt flow rate (MFI)	IS 13360 (Part 4, Sec.1): 2000
106.	Thermoplastics pipes and fittings	Hydraulic characteristics & hydrostatic pressure test	IS 12235 (Part 8, Sec.1 & 4): 2004
107.	Irrigation equipment - emitting pipes system	Hydraulic characteristics & hydrostatic pressure test	IS 13488:2008 (Cl. 8.4)
108.	Irrigation equipment- polyethylene pipes for irrigation laterals	Hydraulic characteristics	IS 12786:2024 (Annex C)
109.	Polyethylene pipes for water supply	Internal pressure creep rupture test	IS 4984:2016 (Annex E)
110.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Internal pressure creep rupture test	IS 17425:2020 (Annex-A)
111.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Leakage test	IS 17425:2020 (Cl. 7.2.1)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
112.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Hydraulic proof test	IS 17425:2020 (Cl. 7.2.2)
113.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Weldability test	IS 17425:2020 (Cl. 7.2.3)
114.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Holding attachments for coupler parts	IS 17425:2020 (Cl. 6.2.5)
115.	Polyethylene pipes for water supply	Slow crack growth rate	IS 4984:2016 (Annex J & E)
116.	Unplasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system	Water tightness of joint	IS 13592:2013 (Cl. 11)
117.	Irrigation equipment - emitting pipes system	Resistance to pull out of joints between fitting and emitting	IS 13479:1992 (Cl.8.6 of IS 13488:2008)
118.	Irrigation equipment - emitting pipes system	Resistance to tension at elevated temperature	IS 13488:2008 (Cl.8.5)
119.	Irrigation equipment - emitting pipes system	Emitting unit exponent	IS 13488:2008 (Cl.8.8)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Plastic and Plastic Products		
120.	Irrigation equipment - emitting pipes system	Uniformity of emission rate	IS 13488:2008 (Cl. 8.1)
121.	Irrigation equipment - emitting pipes system	Emission rate as a function of inlet pressure	IS 13488:2008 (Cl. 8.2)
122.	Irrigation equipment - emitting pipes system	Spacing of emitting units	IS 13488:2008 (Cl. 8.3.4)
123.	Irrigation equipment - emitting pipes system	Flow paths in emitting unit	IS 13488:2008 (Cl. 8.3.3)
124.	Irrigation equipment - emitting pipes system	Fittings	IS 13488:2008 (Cl. 6.2)
125.	Irrigation equipment - emitting pipes system	Coefficient of variation	IS 13488:2008 (Cl. 8.1)
126.	Irrigation equipment - quick coupled polyethylene pipes and fittings for sprinkler irrigation systems	Fusion compatibility	IS 17425:2020 (Cl. 7.1.5)
127.	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold-water distribution	Verification of the malfunction temperature, TMAL	IS 15778:2007 (Annex C)
128.	Thermoplastics pipes and fittings	Flattening test	IS 12235 (Part 19):2004
129.	CPVC compounds	Charpy impact strength	IS 13360: (Part 5/Sec 5): 2017
130.	CPVC compounds	Form	IS 15225:2002 (Cl. 8.1.3)
131.	CPVC compounds	Appearance	IS 15225:2002 (Cl. 8.1.5)
132.	CPVC resin	Density	IS 13360 (Part 3/ Sec 1):1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Timber	Timber	IS 303:2024, IS 710:2024, IS 4990:2024, IS 2202 (Part-1):2023, IS 1659:2004
2.	Face veneers	Face veneers	IS 303:2024, IS 710:2024, IS 2202 (Part-1):2023, IS 4990:2024, IS 1659:2004, IS 1328:1996
3.	Core veneers	Core veneers	IS 303:2024, IS 710:2024, IS 2202 (Part-1):2023, IS 4990:2024, IS 1659:2004, IS 1328:1996
4.	Cross bands	Cross bands	IS 303:2024, IS 710:2024, IS 2202 (Part-1):2023, IS 4990:2024, IS 1659:2004, IS 1328:1996
5.	Wooden flush door shutter	Stail and rail	IS 2202 (Part-1):2023
6.	Plywood	Classification by appearance	IS 303:2024
7.	Plywood	Quality requirements of surface and number of defects	IS 303:2024
8.	Plywood	Permissible defects	IS 303:2024
9.	Block boards	Defects	IS 1659:2004
10.	Marine plywood	Workmanship and finish	IS 710:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
11.	Veneered decorative plywood	Manufacture (decorative veneers)	IS 1328:1996
12.	Veneered decorative plywood	Requirements (visually defects)	IS 1328:1996
13.	Veneered decorative plywood	Finish	IS 1328:1996
14.	Prelaminated particle boards	Finish	IS 12823:2015
15.	Plywood	Dimensions (length/height & width)	IS 303:2024
16.	Wooden flush door shutter	Dimensions (length/height & width)	IS 2202 (Part 1):2023
17.	Wooden flush door shutter	Dimensions (length/height & width)	IS 4020 (Part 2):1998
18.	Block boards	Dimensions (length/height & width)	IS 1659:2004
19.	Marine plywood	Dimensions (length/height & width)	IS 710:2024
20.	Plywood for concrete shuttering works	Dimensions (length/height & width)	IS 4990:2024
21.	Veneered decorative plywood	Dimensions (length/height & width)	IS 1328:1996
22.	Prelaminated particle boards	Dimensions (length/height & width)	IS 12823:2015
23.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Dimensions (length/height & width)	IS 3087:2005
24.	Plywood	Dimensions (thickness)	IS 303:2024
25.	Wooden flush door shutter	Dimensions (thickness)	IS 2202 (Part 1):2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
26.	Wooden flush door shutter	Dimensions (thickness)	IS 4020 (Part 2):1998
27.	Block boards	Dimensions (thickness)	IS 1659:2004
28.	Marine plywood	Dimensions (thickness)	IS 710:2024
29.	Plywood for concrete shuttering works	Dimensions (thickness)	IS 4990:2024
30.	Veneered decorative plywood	Dimensions (thickness)	IS 1328:1996
31.	Prelaminated particle boards	Dimensions (thickness)	IS 12823:2015
32.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Dimensions (thickness)	IS 3087:2005
33.	Plywood	Dimensions (straightness & squareness)	IS 303:2024
34.	Wooden flush door shutter	Dimensions (straightness & squareness)	IS 2202 (Part 1):2023
35.	Wooden flush door shutter	Dimensions (straightness & squareness)	IS 4020 (Part 2):1998
36.	Block boards	Dimensions (straightness & squareness)	IS 1659:2004
37.	Marine plywood	Dimensions (straightness & squareness)	IS 710:2024
38.	Plywood for concrete shuttering works	Dimensions (straightness & squareness)	IS 4990:2024
39.	Veneered decorative plywood	Dimensions (straightness & squareness)	IS 1328:1996
40.	Prelaminated particle boards	Dimensions (straightness & squareness)	IS 12823:2015

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
41.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Dimensions (straightness & squareness)	IS 3087:2005
42.	Methods of test for plywood	Static bending strength (MOE & MOR test) / wet bending strength	IS 1734 (Part 11):1983
43.	Block boards	Static bending strength (MOE & MOR test) / wet bending strength	IS 1659:2004 (Annex J)
44.	Methods of test for wood particle boards and boards from other lignocellulosic materials	Static bending strength (MOE & MOR test) / wet bending strength	IS 2380 (Part-4):1977
45.	Marine plywood	Tensile strength	IS 1734 (Part-9):1983
46.	Prelaminated particle boards	Tensile strength perpendicular to surface	IS 2380 (Part-5):1977
47.	Particle boards of wood and other	Tensile strength perpendicular to surface after aging	IS 2380 (Part-5):1977
48.	Plywood for general purposes	Mycological test	IS 1734 (Part-7):1983
49.	Block board	Mycological test	IS 1659:2004 (Annex-H)
50.	Methods of test for plywood	Water resistance test	IS 1734 (Part-6):1983
51.	Block board	Water resistance test	IS 1659:2004 (Annex-F)
52.	Seasoning of timber - code of practice	Moisture content	IS 1141:1993
53.	Methods of test for plywood	Moisture content	IS 1734 (Part-1):1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
54.	Particle boards of wood and other	Moisture content	IS 2380 (Part-3):1977
55.	Timber	Moisture content	IS 1708 (Part-1):1986
56.	Wooden flush door shutter	Workmanship and finish	IS 2202 (Part-1):2023
57.	Wooden flush door shutter	General flatness test	IS 4020 (Part-3):1998
58.	Wooden flush door shutter	Local planeness test	IS 4020 (Part-4): 1998
59.	Wooden flush door shutter	Impact indentation test	IS 4020 (Part-5):1998
60.	Wooden flush door shutter	Flexure test	IS 4020 (Part-6):1998
61.	Wooden flush door shutter	Edge loading test	IS 4020 (Part-7):1998
62.	Wooden flush door shutter	Shock resistance test	IS 4020 (Part-8):1998
63.	Wooden flush door shutter	Buckling resistance test	IS 4020 (Part-9):1998
64.	Wooden flush door shutter	Slamming test	IS 4020 (Part-10):1998
65.	Wooden flush door shutter	Misuse test	IS 4020 (Part-11):1998
66.	Wooden flush door shutter	Varying humidity test	IS 4020 (Part-12):1998
67.	Wooden flush door shutter	End immersion test	IS 4020 (Part-13):1998
68.	Wooden flush door shutter	Knife test	IS 4020 (Part-14):1998
69.	Wooden flush door shutter	Glue adhesion test	IS 4020 (Part-15):1998
70.	Wooden flush door shutter	Screw withdrawal test	IS 4020 (Part-16):1998
71.	Wooden flush door shutter	Screw withdrawal test	IS 2380 (Part 14):1977
72.	Block board	Face veneers for decorative type of block board	IS 1659:2004 (Annex C)
73.	Block board	Dimensional changes caused by humidity	IS 1659:2004 (Annex E)
74.	Block board	Adhesion of plies	IS 1659:2004 (Annex G)
75.	Marine plywood	Glue adhesion in dry state (glue share strength)	IS 1734 (Part-4):1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
76.	Marine plywood	Glue adhesion in dry state (adhesion of plies)	IS 1734 (Part-5):1983
77.	Plywood for concrete shuttering works	Plywood with plastic coating	IS 4990:2024
78.	Synthetic resin adhesives for plywood	Cyclic test	IS 848:2006 (Annex A)
79.	Prelaminated particle boards	Test for density	IS 2380 (Part-3):1977
80.	Prelaminated particle boards	Water absorption	IS 2380 (Part-16):1977
81.	Prelaminated particle boards	Test for swelling in water	IS 2380 (Part-17):1977
82.	Prelaminated particle boards	Swelling due to surface absorption	IS 2380 (Part-17):1977
83.	Prelaminated particle boards	Abrasion resistance	IS 12823:2015 (Annex C)
84.	Prelaminated particle boards	Resistance to steam	IS 12823:2015 (Annex D)
85.	Prelaminated particle boards	Crack resistance	IS 12823:2015 (Annex E)
86.	Prelaminated particle boards	Resistance to cigarette burn	IS 12823:2015 (Annex F)
87.	Particle boards of wood and other lignocellulosic materials	Materials	IS 3087:2005
88.	Particle boards of wood and other lignocellulosic materials	Finish	IS 3087:2005
89.	Particle boards of wood and other lignocellulosic materials	Workability test	IS 3087:2005
90.	Wooden flush door shutter	Marking	IS 2202 (Part 1):2023
91.	Plywood for general purposes	Marking	IS 303:2024
92.	Block board	Marking	IS 1659:2004
93.	Marine plywood	Marking	IS 710:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
94.	Plywood for concrete shuttering works	Marking	IS 4990:2024
95.	Prelaminated particle boards	Marking	IS 12823:2015
96.	Particle boards of wood and other lignocellulosic materials	Marking	IS 3087:2005
97.	Veneered decorative plywood	Marking	IS 1328:1996

