

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Eko Pro Engineers Private Limited

*32/37, South side of GT Road, UPSIDC Industrial Area,
Ghaziabad-201009, Uttar Pradesh, 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/2025/0113

Valid from: 24 April 2025

Valid until: 23 April 2027

A handwritten signature in black ink, appearing to read 'Bhupendra'.

Dr. Bhupendra Kumar Rana
Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Vikram'.

Prof. Vikram Kumar
Chair, CIA



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
1.	Low Alloy Steel	Carbon	IS 228 (Part-1): 1987
2.		Chromium	IS 228 (Part-6): 1987
3.		Manganese	IS 228 (Part-2): 1987
4.		Phosphorus	IS 228 (Part-3): 1987
5.		Silicon	IS 228 (Part-8): 1989
6.		Sulphur	IS 228 (Part-9): 1989
7.		Nickel	IS 228 (Part-5): 1987
8.	Stainless Steel	Nickel	IS 228 (Part-5): 1987
9.		Copper	IS 228 (Part-15): 1992
10.		Carbon	IS 228 (Part-1): 1987
11.		Chromium	IS 228 (Part-6): 1987
12.		Manganese	IS 228 (Part-2): 1987
13.		Molybdenum	IS 228 (Part-7): 1990
14.		Phosphorus	IS 228 (Part-3): 1987
15.		Silicon	IS 228 (Part-8): 1989
16.		Sulphur	IS 228 (Part-9): 1989
17.	Cast Iron & Grey Iron	Carbon	ASTM E 1999/JIS G 1253
18.		Sulphur	ASTM E 1999/JIS G 1253
19.		Phosphorus	ASTM E 1999/JIS G 1253
20.		Silicon	ASTM E 1999/JIS G 1253

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
21.	Cast Iron & Grey Iron	Chromium	ASTM E 1999/JIS G 1253
22.		Manganese	ASTM E 1999/JIS G 1253
23.		Nickel	ASTM E 1999/JIS G 1253
24.		Copper	ASTM E 1999/JIS G 1253
25.		Tin	ASTM E 1999/JIS G 1253
26.		Vanadium	ASTM E 1999/JIS G 1253
27.		Nitrogen	ASTM E 1999/JIS G 1253
28.		Titanium	ASTM E 1999/JIS G 1253
29.	Ferrous & Ferrous Alloy	Carbon	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
30.		Silicon	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
31.		Manganese	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
32.		Phosphorus	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
33.		Sulphur	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
34.		Chromium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
35.		Molybdenum	ASTME 415: 2021/IS 8811: 1998/JIS G 1253



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
36.	Ferrous & Ferrous Alloy	Nickel	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
37.		Copper	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
38.		Aluminium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
39.		Titanium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
40.		Vanadium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
41.		Boron	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
42.		Niobium	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
43.		Cobalt	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
44.		Nitrogen	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
45.		Arsenic	ASTME 415: 2021/IS 8811: 1998/JIS G 1253
46.	Ferrous & Ferrous Alloy (Stainless Steel)	Carbon	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
47.		Silicon	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
48.		Manganese	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
49.	Ferrous & Ferrous Alloy (Stainless Steel)	Phosphorus	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
50.		Sulphur	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
51.		Chromium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
52.		Molybdenum	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
53.		Nickel	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
54.		Titanium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
55.		Niobium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
56.		Nitrogen	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
57.		Aluminium	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
58.		Copper	ASTM E 1086: 2022/IS 9879:1998/JIS G 1253
59.	Copper & Copper Alloy	Copper	BS EN15079 2015
60.		Aluminium	BS EN15079 2015
61.		Arsenic	BS EN15079 2015

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
62.	Copper & Copper Alloy	Cadmium	BS EN15079 2015
63.		Bismuth	BS EN15079 2015
64.		Iron	BS EN15079 2015
65.		Lead	BS EN15079 2015
66.		Manganese	BS EN15079 2015
67.		Nickel	BS EN15079 2015
68.		Phosphorus	BS EN15079 2015
69.		Silicon	BS EN15079 2015
70.		Silver	BS EN15079 2015
71.		Zinc	BS EN15079 2015
72.		Oxygen	BS EN15079 2015
73.		Tin	BS EN15079 2015
74.	Aluminium & Aluminium Alloy	Aluminium	ASTM E-1251:2017
75.		Chromium	ASTM E-1251:2017
76.		Copper	ASTM E-1251:2017
77.		Iron	ASTM E-1251:2017
78.		Magnesium	ASTM E-1251:2017

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
79.	Aluminium & Aluminium Alloy	Manganese	ASTM E-1251:2017
80.		Nickel	ASTM E-1251:2017
81.		Lead	ASTM E-1251:2017
82.		Silicon	ASTM E-1251:2017
83.		Tin	ASTM E-1251:2017
84.		Vanadium	ASTM E-1251:2017
85.		Zirconium	ASTM E-1251:2017
86.		Zinc	ASTM E-1251:2017
87.		Titanium	ASTM E-1251:2017
88.	Domestic Stainless Steel Vacuum Flask / Bottle	Staining Test	IS 17526-2021
89.		Cold Retention Capability	IS 17526-2021
90.		Heat Retention Capability	IS 17526-2021
91.		Cadmium	BS EN15079 2015
92.		Lead	BS EN15079 2015
93.	Insulated Flask for Domestic Use	Cadmium	BS EN15079 2015
94.		Lead	BS EN15079 2015
95.		Cold Retention Capability	IS 17569-2021

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
96.	Insulated Flask for Domestic Use	Heat Retention Capability	IS 17569-2021
97.		Staining Test	IS 17569-2021
98.	Insulated Containers for Food Storage	Staining Test	IS 17569-2021
99.		Cadmium	BS EN15079 2015
100.		Lead	BS EN15079 2015
101.		Cold Retention Capability	IS 17569-2021
102.	Insulated Containers for Food Storage	Heat Retention Capability	IS 17569-2021
103.	Potable Water Bottles (Copper, Stainless Steel, Aluminium)	Cadmium	BS EN15079 2015
104.		Lead	BS EN15079 2015
105.		Staining Test	IS 17803-2022
106.	Door Handles	Aluminium	ASTM E 1999
107.		Carbon	IS:12308(P-11)
108.		Chromium	IS:504(P-8)/IS:12308(P-8)/IS:228(P-6)
109.		Copper	IS:440/IS:504(P-3)
110.		Iron	IS:440/IS:504(P-2)
111.		Lead	IS:440/IS:504(P-1)
112.		Magnesium	ASTM E 1999/IS:504(P-6)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Metals & Alloys		
113.	Door Handles	Manganese	IS:12308(P-10)/IS:504(P-5)
114.		Nickel	IS:440/IS:504(P-7)/IS:12308(P-7)
115.		Ni-Cr-Plated	IS:1068-1993
116.		Phosphorus	IS:12308(P-5)/IS:440, IS 228(P-3)
117.		Silicon	IS:504(P-1)/IS:12308(P-6)
118.		Sulphur	BS EN 15079, IS 228 Part 9
119.		Tin	IS:440/IS:504(P-9)
120.		Titanium	IS:504(P-11)
121.		Zinc	IS:504(P-5)



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
1.	OPC Cement	Iron Oxide	IS 4032 (Clause 4.5): 1985
2.		Alumina	IS 4032 (Clause 4.6): 1985
3.		Combined ferric oxide and Alumina	IS 4032 (Clause 4.4): 1985
4.		Calcium Oxide	IS 4032 (Clause 4.7.1, 4.7.2): 1985
5.	Cement (OPC/PPC)	Loss on Ignition	IS 4032 (Clause 4.2): 1985
6.		Magnesium Oxide	IS 4032 (Clause 4.8.1): 1985
7.	OPC Cement	Silica	IS 4032 (Clause 4.3): 1985
8.	Cement (OPC/PPC)	Sulphuric Anhydride	IS 4032 (Clause 4.9): 1985
9.		Total Chloride	IS 4032 (Clause 4.13): 1985
10.		Insoluble Residue	IS 4032 (Clause 4.10): 1985
11.		Alkali Content	IS 4032 (Clause 4.11): 1985
12.	Admixture	Ash Content	IS 9103 (Annex E, Clause E-2): 1999
13.		Chloride Ion content	IS 6925 (Clause 3): 1999
14.		Dry Material Content	IS 9103 (Annex E, Clause E-1): 1999
15.		pH value	IS 9103 (Annex E, Clause E-5): 1999
16.		Relative Density	IS 9103 (Annex E, Clause E-3): 1999
17.	Fly Ash	Calcium Oxide	IS 1727 (Clause 5.8): 1967
18.		Combined Ferric Oxide and Alumina Oxide	IS 1727 (Clause 5.5): 1967
19.		Loss on Ignition	IS 1727 (Clause 5.3): 1967

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
20.	Fly Ash	Magnesium Oxide	IS 1727 (Clause 5.9): 1967
21.		Silica	IS 1727 (Clause 5.4): 1967
22.		Sulphur Trioxide	IS 1727 (Clause 5.10): 1967
23.		Alkali Content	IS 4032 (Clause 4.11): 1985
24.		Total Chloride	IS 4032 (Clause 4.13): 1985
25.	Coarse Aggregate / Fine Aggregate	Dissolved Silica	IS 2386 (Part-7, Clause 3): 1963
26.		Reduction in Alkalinity	IS 2386 (Part-7, Clause 3): 1963
27.		Total Sulphate Content	BS EN 1744 (Part 1): 1988
28.		Acid Soluble Chloride Content	BS EN 1744 (Part 1): 1988
29.		Total Alkali content	IS 4032 (Clause 4.11): 1985
30.	Water for Construction Purpose	Acidity (Volume Of 0.02N- NaOH TO Neutralize 100 ml of Water	IS 3025 (Part-22, Clause 9.2): 2024
31.		Alkalinity (Volume of 0.02 N- NaOH to Neutralize 100 ml of Water)	IS 3025 (Part-23, Clause 10.1): 2023
32.		Chloride Content	IS 3025 (Part-32, Clause 2): 1988
33.		Inorganic Solid	IS 3025 (Part-18): 2022
34.		Organic Solid	IS 3025 (Part-18): 2022
35.		pH	IS 3025 (Part-11, Annex D): 2022
36.		Sulphate	IS 3025 (Part-24/Section 1): 2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Materials		
37.	Water for Construction Purpose	Suspended Matter	IS 3025 (Part-17): 2022
38.	Galvanized Steel Sheet/Wire	Mass of Zinc Coating	IS 6745: 1972
39.		Uniformity of Zinc Coating	IS 2633: 1986
40.	Retention of Preservative in Wood & Its Allied Product	Chromium	IS 2753 (Part-1): 1991
41.		Boron	IS 2753 (Part-1): 1991
42.		Zinc	IS 2753 (Part-1): 1991
43.	Retention of Preservative in Wood & Its Allied Product	Copper	IS 2753 (Part-1): 1991
44.		Arsenic	IS 2753 (Part-1): 1991
45.	Synthetic Resin Adhesives for Plywood	Acidity and Alkalinity (pH)	IS 848: 2006
46.	Formaldehyde Content in Wood & Its Allied Product	Formaldehyde Content	IS 13745: 2020



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Plywood & its allied products	Quality requirements	IS 303: 2024/IS: 5509-2021
2.		Length	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2023
3.		Width	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2024
4.		Edge straightness	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2025
5.		Thickness	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2026
6.	Plywood & its allied products	Squareness	IS 303: 2024 /IS: 1659-2004/IS: 710-2010/IS: 1328-1996/IS: 4990: 2024/IS: 5509-2021/IS: 3087-2005/IS: 2380(P-2)/IS: 12406: 2021/IS 12823: 2015/IS 14587: 2027

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
7.	Block Board	Dimensional Changes Caused by Humidity	IS 1659: 2004
8.		Modulus of Elasticity	IS 1659: 2004
9.		Modulus of Rupture	IS 1659: 2004
10.		Mycological Test	IS 1659: 2004
11.		Resistance to Water	IS 1659: 2004
12.		Spot Test	IS 1659: 2004
13.		Thickness Variation	IS 1659: 2004
14.		Adhesion of Plies	IS 1659: 2004
15.	Fire Retardant Plywood	Flame Penetration	IS 1734 (Part-3): 1983
16.		Flammability	IS 1734 (Part-3): 1983
17.		Moisture Content	IS 1734 (Part-1): 1983
18.		Rate of Burning	IS 1734 (Part-3): 1983
19.	Fire Retardant Plywood	Static Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
20.		Static Bending Strength Modulus of rupture	IS 1734 (Part-11): 1983
21.		Water Resistant Test	IS 1734 (Part-6): 1983
22.	Marine Plywood	Glue adhesion in dry state adhesion of plies	IS 1734 (Part-4 & 5): 1983
23.		Glue adhesion in dry state glue shear strength	IS 1734 (Part-4&5): 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
24.	Marine Plywood	Moisture Content	IS 1734 (Part-1): 1983
25.		Mycological Test Adhesion Of Plies	IS 1734 (Part-5): 1983
26.		Mycological Test Glue Shear Strength	IS 1734 (Part-4): 1983
27.		Static Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
28.		Water Resistance Test Adhesion Of Plies	1734 (Part-5): 1983
29.		Water Resistance Test Glue Shear Strength	IS 1734 (Part-4): 1983
30.		Wet Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
31.		Wet Bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983
32.		Static bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983
33.		Adhesion of Plies	IS 1734 (Part-5): 1983
34.	Plywood for General Purpose	Modulus of Elasticity	IS 1734 (Part-11): 1983
35.		Modulus of Rupture	IS 1734 (Part-11): 1983
36.		Moisture Content	IS 1734 (Part-1): 1983
37.		Mycological Test	IS 1734 (Part-7): 1983
38.		Quality Requirements	IS 303: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
39.	Plywood for General Purpose	Water Resistance Test	IS 1734 (Part-6): 1983
40.	Plywood for concrete shuttering works	Glue Adhesion in Dry State Adhesion of Plies	IS 1734 (Part-5): 1983
41.		Glue Adhesion in Dry State Glue Shear Strength	IS 1734 (Part-4): 1983
42.		Moisture Content	IS 1734 (Part-1): 1983
43.		Mycological Test Glue Shear Strength	IS 1734 (Part-4): 1983
44.		Plywood With Plastic Coating or With Suitable Overlay	IS 4990: 2024
45.		Resistance to Water Test Adhesion of Plies	IS 1734 (Part-5): 1983
46.		Resistance to Water Test Glue Shear Strength	IS 1734 (Part-4): 1983
47.		Squareness	IS 4990: 2024
48.		Static Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
49.		Static Bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983
50.		Tensile strength	IS 1734 (Part-9): 1983
51.		Wet Bending Strength Modulus of Elasticity	IS 1734 (Part-11): 1983
52.		Wet Bending Strength Modulus of Rupture	IS 1734 (Part-11): 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
53.	Veneered Decorative Plywood	Moisture Content	IS 1734 (Part-1): 1983
54.		Water Resistance Test	IS 1734 (Part-6): 1983
55.	Flush Door shutter	Dimension & Tolerance (a) Height	IS 4020 (Part-2): 1998
56.		Dimension & Tolerance (c) Width	IS 4020 (Part-2): 1998
57.	Flush Door Shutters	Dimension & Tolerance (b) Thickness	IS 4020 (Part-2): 1998
58.		End Immersion Test	IS 4020 (Part-13): 1998
59.		Glue Adhesion	IS 4020 (Part-15): 1998
60.		Knife Test	IS 4020 (Part-14): 1998
61.		Squareness	IS 4020 (Part-2): 1998
62.		Flatness	IS 4020 (Part-3): 1998
63.		Local Planeness Test	IS 4020 (Part-4): 1998
64.		Impact Indentation Test	IS 4020 (Part-5): 1998
65.		Flexure Test	IS 4020 (Part-6): 1998
66.		Edge Loading Test	IS 4020 (Part-7): 1998
67.		Shock Resistance Test	IS 4020 (Part-8): 1998
68.		Buckling Resistance Test	IS 4020 (Part-9): 1998
69.		Slamming Test	IS 4020 (Part-10): 1998
70.		Misuse Test	IS 4020 (Part-11): 1998
71.		Varying Humidity Test	IS 4020 (Part-12): 1998
72.		Screw Withdrawal Resistance Test	IS 4020 (Part-16): 1998
73.	Particle Board of Wood and	Density	IS 2380 (Part 3): 1977
74.	Other Lignocellulosic Material	Moisture Content	IS 2380 (Part 3): 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
75.	Particle Board of Wood and Other Lignocellulosic Material	Water Absorption	IS 2380 (Part 16): 1977
76.		Swelling in Water	IS 2380 (Part 17): 1977
77.		Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
78.		Modulus of Rupture	IS 2380 (Part 4): 1977
79.		Modulus of Elasticity	IS 2380 (Part 4): 1977
80.		Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977
81.		Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
82.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
83.	Prelaminated Particle Boards from Wood and other Lignocellulosic Material	Density	IS 2380 (Part 3): 1977
84.		Moisture Content	IS 2380 (Part 3): 1977
85.		Water Absorption	IS 2380 (Part 16): 1977
86.		Swelling in Water	IS 2380 (Part 17): 1977
87.		Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
88.		Modulus of Rupture	IS 2380 (Part 4): 1977
89.		Modulus of Elasticity	IS 2380 (Part 4): 1977
90.		Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977
91.		Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
92.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
93.	Prelaminated Particle Boards from Wood and other Lignocellulosic Material	Abrasion Resistance	IS 12823: 2015
94.		Resistance to Steam	IS 12823: 2015
95.		Crack Resistance	IS 12823: 2015
96.		Resistance to Cigarette Burn	IS 12823: 2015
97.		Resistance to Stain	IS 12823: 2015
98.	Medium Density Fibre Boards for General Purpose	Density	IS 2380 (Part 3): 1977
99.		Moisture Content	IS 2380 (Part 3): 1977
100.		Water Absorption	IS 2380 (Part 16): 1977
101.		Swelling in Water	IS 2380 (Part 17): 1977
102.		Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
103.	Medium Density Fibre Boards for General Purpose	Modulus of Rupture	IS 2380 (Part 4): 1977
104.		Modulus of Elasticity	IS 2380 (Part 4): 1977
105.		Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977
106.		Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
107.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
108.	Prelaminated Medium Density Fibre Board	Density	IS 2380 (Part 3): 1977
109.		Moisture Content	IS 2380 (Part 3): 1977
110.		Water Absorption	IS 2380 (Part 16): 1977
111.		Swelling in Water	IS 2380 (Part 17): 1977



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
112.	Prelaminated Medium Density Fibre Board	Swelling Due to Surface Absorption	IS 2380 (Part 17): 1977
113.		Modulus of Rupture	IS 2380 (Part 4): 1977
114.		Modulus of Elasticity	IS 2380 (Part 4): 1977
115.		Tensile Strength Perpendicular to Surface	IS 2380 (Part 5): 1977
116.		Tensile Strength Perpendicular to Surface After Ageing	IS 2380 (Part 5): 1977
117.		Screw Withdrawal Strength	IS 2380 (Part 14): 1977
118.		Abrasion Resistance	IS 14587: 2023
119.		Resistance to Steam	IS 14587: 2023
120.		Crack Resistance	IS 14587: 2023
121.		Resistance to Cigarette Burn	IS 14587: 2023
122.		Resistance to Stain	IS 14587: 2023
123.	Synthetic Resin Adhesives for Plywood	Cyclic Test	IS 848: 2006
124.	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	Thickness	IS 2046:1995
125.		Appearance	IS 2046:1995
126.		Warping	IS 2046:1995
127.		Straightness Test	IS 2046:1995
128.		Squareness	IS 2046:1995
129.		Resistance To Wear	IS 2046:1995
130.		Resistance To Impact	IS 2046:1995



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
131.	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	Resistance To Scratch	IS 2046:1995
132.		Resistance To Immersion In Boiling Water	IS 2046:1995
133.		Resistance To Dry Heat 180°C	IS 2046:1995
134.		Dimensional Stability At Elevated Temperature	IS 2046:1995
135.		Dimensional Stability At 20°C temperature	IS 2046:1995
136.		Resistance To Impact By Small Diameter Ball	IS 2046:1995
137.		Resistance To Impact By Large Diameter Ball	IS 2046:1995
138.		Resistance To Cracking	IS 2046:1995
139.		Resistance To Scratching	IS 2046:1995
140.		Resistance To Staining	IS 2046:1995
141.		Resistance To Change In Colour In Xenon Arc Light	IS 2046:1995
142.		Resistance To Change In Colour In Carbon Arc Light	IS 2046:1995
143.		Resistance To Cigarette Burn	IS 2046:1995
144.		flammability	IS 2046:1995
145.		Resistance To Blistering	IS 2046:1995
146.		Resistance To Steam	IS 2046:1995
147.		Resistance To Cracking	IS 2046:1995

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
148.	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	Resistance To Moisture	IS 2046:1995
149.		Flexural Modulus	IS 2046:1995
150.		Flexural Strength	IS 2046:1995
151.		Tensile Strength	IS 2046:1995



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
1.	Hardened Concrete	Compressive Strength	IS 516 (Part 1 / Sec 1) 2021
2.		Water Permeability	IS 516 (Part 2/Sec 1) 2018
3.	AAC Block	Block Density (Oven dry Condition)	IS 6441 (Part-1): 1972
4.		Compressive Strength	IS 6441 (Part-5): 1972
5.		Dimension (a) Length	IS 2185 (Part-3): 1984
6.		Dimension (b) Width	IS 2185 (Part-3): 1984
7.		Dimension (c) Height	IS 2185 (Part-3): 1984
8.		Thermal Conductivity	IS 3346:1980
9.		Drying Shrinkage	IS 6441 (Part-2): 1972
10.	Concrete Paving Block	Abrasion Resistance	IS 15658: 2021
11.		Compressive Strength	IS 15658: 2021
12.		Length	IS 15658: 2021
13.		Width	IS 15658: 2021
14.		Thickness	IS 15658: 2021
15.		Chamfer	IS 15658: 2021
16.		Squareness	IS 15658: 2021
17.		Wearing face area	IS 15658: 2021
18.		Plain Area	IS 15658: 2021
19.		Aspect Ratio	IS 15658: 2021
20.		Flexural Strength	IS 15658: 2021
21.		Tensile Splitting Strength	IS 15658: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
22.	Concrete Paving Block	Water Absorption	IS 15658: 2021
23.	Chequered Cement Concrete Tiles	Dimension (a) Length	IS 13801: 2013
24.		Dimension (b) Width	IS 13801: 2013
25.		Dimension (c) Thickness	IS 13801: 2013
26.		Flatness of the Tile Surface	IS 13801: 2013
27.		Perpendicularity	IS 13801: 2013
28.		Straightness	IS 13801: 2013
29.		Water Absorption	IS 13801: 2013
30.		Wet Transverse Strength	IS 13801: 2013
31.		Resistance to Wear	IS 13801: 2013
32.		Thickness of Wearing Layer	IS 13801: 2013
33.		Dimension (a) Length	IS 1237: 2012
34.	Cement Concrete Flooring Tiles	Dimension (b) Width	IS 1237: 2012
35.	Cement Concrete Flooring Tiles	Dimension (c) Thickness	IS 1237: 2012
36.		Flatness of the Tile Surface	IS 1237: 2012
37.		Perpendicularity	IS 1237: 2012
38.		Straightness	IS 1237: 2012
39.		Water Absorption	IS 1237: 2012
40.		Wet Transverse Strength	IS 1237: 2012
41.		Resistance to Wear	IS 1237: 2012
42.		Thickness of Wearing Layer	IS 1237: 2012



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
43.	Common Burnt Clay Building Bricks	Dimension (b) Width	IS 1077: 1992
44.		Dimension (c) Height	IS 1077: 1992
45.		Dimension (a) Length	IS 1077: 1992
46.	Common Burnt Clay Building Bricks /Fuel Ash Lime Bricks	Compressive Strength	IS 3495 (Part-1): 2019
47.		Efflorescence	IS 3495 (Part-3): 2019
48.		Water Absorption	IS 3495 (Part-2): 2019
49.	Fuel Ash Lime Bricks	Dimension Test (a) Length	IS 12894: 2002
50.		Dimension Test (b) Width	IS 12894: 2002
51.		Dimension Test (c) Height	IS 12894: 2019
52.		Drying Shrinkage	IS 1199: 1959
53.	Admixture	Compressive Strength	IS 516 (Part-1/Sec-1): 2021
54.		Drying Shrinkage	IS 1199: 1959
55.		Flexural Strength	IS 516 (Part-1/Sec-1): 2021
56.		Slump/Loss of Workability	IS 1199 (Part 2 / Clause 4.3): 2018
57.		Water Content	IS 2386 (Part 3) : 1963
58.	Coarse Aggregate/Fine Aggregate	Sieve Analysis (IS Sieve Size:80,63,40,20, 16,12.5 10, 4.75, 2.36, 1.18, 0.600, 0.300, 0.150 mm)	2386 (Part-1): 1963

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
59.	Coarse Aggregate/Fine Aggregate (Crushed and uncrushed)	Bulk Density	2386 (Part 3): 1963
60.		Specific Gravity	IS 2386 (Part-3): 1963
61.		Water Absorption	IS 2386 (Part-3): 1963
62.		Soundness Test	IS 2386 (Part 5): 1963
63.		Coal and Lignite	2386 (Part 2): 1963
64.		Clay Lumps	2386 (Part 2): 1963
65.		Material finer than 75 micron IS Sieve	2386 (Part 1): 1963
66.	Coarse Aggregate (Uncrushed)	Soft Fragments	2386 (Part 2): 1963
67.	Coarse Aggregate/Fine Aggregate (Crushed and uncrushed)	Total Deleterious Material	383:2016
68.	Coarse Aggregate	10 % fines value	2386 (Part-4): 1963
69.		Abrasion Value	IS 2386 (Part 4 /Clause 5.3): 1963
70.		Crushing Value	2386 (Part-4): 1963
71.		Elongation Index	2386 (Part-1): 1963
72.		Flakiness Index	2386 (Part-1): 1963
73.		Impact Value	2386 (part-4): 1963
74.	Fine Aggregate	Organic Impurities	IS 2386 (Part-2): 1963
75.	Cement (OPC/PPC)	Compressive Strength (a) 72 ± 1 Hrs	IS 4031 (Part-6): 1988
76.	Cement (OPC/PPC)	Compressive Strength (b) 168 ± 2 Hrs	IS 4031 (Part-6): 1988

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure and Construction Materials		
77.	Cement (OPC/PPC)	Compressive Strength (c) 672 ± 4 Hrs	IS 4031 (Part-6): 1988
78.		Consistency	IS 4031 (Part-4): 1988
79.		Density	IS 4031 (Part-11): 1988
80.		Final Setting Time	IS 4031 (Part-5): 1988
81.		Fineness By Blaine air permeability apparatus	IS 4031 (Part-2): 1999
82.		Initial Setting Time	IS 4031 (Part-5): 1988
83.		Soundness By Autoclave Method	IS 4031 (Part-3): 1988
84.		Soundness By Le-Chatelier Method	IS 4031 (Part-3): 1988
85.	Cement (PPC)	Drying Shrinkage	IS 4031 (Part-10): 1988
86.	Fly ash	Compressive Strength	IS 1727: 1967
87.		Fineness by Blaine air permeability	IS 1727: 1967
88.		Lime Reactivity	IS 1727: 1967
89.		Moisture Content	IS 3812 (Part-1): 2013
90.	Fly ash	Residue on 45 micron IS Sieve (Wet sieving)	IS 1727: 1967
91.		Soundness (Autoclave method)	IS 1727: 1967
92.		Specific Gravity	IS 1727: 1967



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
1.	Wrought Aluminium and Its Allied Product	Tensile Test	IS 1608 Part 1:2022
2.		Proof Stress	IS 1608 Part 1:2022
3.		Yield Stress	IS 1608 Part 1:2022
4.		% Elongation	IS 1608 Part 1:2022
5.	Aluminium and Its Allied Product	Bend Test	IS 1599:2019
6.	Wrought Aluminium and Aluminium Alloy Bars, Rods and Sections for General Engineering Purposes	Dimensions And Tolerances	IS 3965:1981
7.	Wrought Aluminium and Aluminium Alloy Plate for General Engineering Purposes	Dimensions And Tolerances	IS 2677-1979
8.	Wrought Aluminium and Aluminium Alloy Sheet and Strip for General Engineering Purposes	Dimensions And Tolerances	IS 2676-1981
9.	Wrought Aluminium and Aluminium Alloys-Wire for General Engineering Purposes	Dimensions And Tolerances	IS 2525-1982
10.	Wrought Aluminium and Aluminium Alloy Rivet Stock for General Engineering Purposes	Dimensions And Tolerances	IS 3577:1992

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
11.	Wrought Aluminium and Aluminium Alloy Rivet Stock for General Engineering Purposes	Head Forming Test	IS 740:1977
12.	Corrugated Aluminium Sheet	Dimensions And Tolerance	IS 2676-1981 / IS 1254:2007
13.	Wrought Aluminium and Aluminium Alloys - Extruded Round Tube and Hollow Sections for General Engineering Purposes	Dimensions And Tolerance	IS 2673:2002/IS 6477:1983
14.	Wrought Aluminium Wires for Electrical Purposes	Diameter	IS 2067:1975
15.		Tensile Test	IS 2067:1975
16.		% Elongation	IS 2067:1975
17.	Dimensions for Wrought Aluminium and Aluminium Alloys Extruded Round Tube	Standard Sizes	IS 2673:2002 /IS 6477:1983
18.	Wrought aluminium and aluminium alloy bars, rods, tubes, sections, plates and sheets for electrical applications (Second Revision)	Dimensional Tolerances	IS 5082:1998
19.	Wrought aluminium and aluminium alloys, Extruded Hollow Sections	Dimensional Tolerances	IS 6477:1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
20.	Aluminium Alloy Tubes for Irrigation Purposes Part I Welded Tubes	Dimensional Tolerances	IS 7092 PT 1:1992
21.	Aluminium Alloy Tubes for Irrigation Purposes Part I Welded Tubes	Flattening Test	IS 2826:1980
22.	Aluminium Alloy Tubes for Irrigation Purposes Part II Extruded Tubes	Dimensional Tolerances	IS 7092 PT 2:1992
23.	Aluminium Alloy Tubes for Irrigation Purposes Part II Extruded Tubes	Drift Expansion	IS 2335:1984
24.	Aluminium Alloy Forging Stock and Forgings (Alloy 24345) for Aerospace Applications	Dimensions And Tolerance	IS 7902:2001
25.	Hot Dip Aluminium-Zinc Alloy	Dimensions Shape and Tolerance	IS 15961:2012/IS 16163
26.	Metallic Coated Steel Strip and Sheet (Plain)	Coating Adhesion Test	IS 15961:2012
27.	Pre-Painted Aluminium Zinc	Dimensions Shape and Tolerance	IS 15961:2012/IS 16163 :2012
28.	Alloy Metallic Coated Steel Strip	Coating Adhesion Test	IS 15965:2012
29.	and Sheet (Plain)	Pencil Hardness Test	IS 15965:2012
30.		Gloss (Optional)	IS 15965:2012
31.		Dry Film Thickness (Optimal)	IS 15965:2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
32.	Pre-Painted Aluminium Zinc	Scratch Hardness Test	IS 15965:2012
33.	Alloy Metallic Coated Steel Strip and Sheet (Plain)	Corrosion Resistance Test	IS 9844:1981
34.		Humidity Resistance Test	IS 101 (Part-)/6 Sec-1
35.	High Rolled medium & High tensile Structural Steel and Its Allied Product	Tensile Test	IS 1608 Part 1:2022
36.		Yield Stress	IS 1608 Part 1:2022
37.		Charpy Impact Test	Is 1757 part1-2020
38.		% Elongation	IS 1608 Part 1:2022
39.	Steel and Its Allied Product	Tensile Load	IS 1608 Part 1:2022
40.		Tensile Strain Hardening	IS 15756:2022
41.	High Rolled medium & High tensile Structural Steel and Its Allied Product	Bend Test	IS 1599:2019
42.	Steel and Its Allied Product	Rockwell Hardness	S 1586 (Part 1): 2018
43.		Vicker Hardness	IS 1501 Part 1 & 2:2020
44.	Galvanized Steel Strips and Sheets (Plain and Corrugated)	Bend Test	IS 277:2018
45.		Coating Test	IS 6745:1972
46.		Mass	IS 277:2018
47.		Dimensions And Tolerance	IS 277:2018
48.	Galvanized Steel Barbed Wire for Fencing	Size	IS 278:2009
49.		Size	IS 278:2009
50.		Ductility Test	IS 1755:2018



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
51.	Mild Steel Wire for General	Sizes	IS 280:2006
52.	Engineering	Bend Test	IS 280:2006
53.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part I Mild Steel and Medium Tensile Steel Bar	Size And Tolerance	IS 432 Part 1:1982/ IS 1852:1985
54.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part I Mild Steel and Medium Tensile Steel Bar	Mass/Meter	IS 1732:1989
55.	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement Part II Hard Drawn Steel Wire	Nominal Size And Tolerance	IS 432 Part 2:1982
56.	Cold Reduced Carbon Steel	Plastic Strain Ratio	IS 11999
57.	Sheet and Strip Part 1 Cold Forming and Drawing Purpose	Dimensions And Tolerance	IS 513 Part 1:2016/IS 16162:2012
58.	Cold Reduced Carbon Steel Sheet and Strip Part 2 High Tensile and Multi-phase Steel	Dimensions And Tolerance	IS 513 Part 2:2016/IS 16162:2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
59.	Hot Rolled Steel Strips (Bailing)	Dimensions And Tolerance	IS 1029:1970
60.	Hot Rolled Carbon Steel Sheet, Plate and Strip	Dimensions And Tolerance	IS 1079:2017/IS 1730:1989/ IS 16160:2005
61.		Cupping Test	IS 10175:2018
62.	Steel Butt Hinges	Dimensions And Tolerance	IS 1341:2018
63.	Mild Steel Wire, Cold Heading Quality	Crushing Test	IS 1673:1984
64.		Dimensions And Tolerance	IS 1673:1984
65.	Plain Hard Drawn Steel Wire for Prestressed Concrete	Nominal Size and Tolerance	IS 1785 Part 2:1983
66.	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	Tensile Test	IS 1608 Part 1:2022
67.		Yield Stress	IS 1608 Part 1:2022
68.		% Elongation	IS 1608 Part 1:2022
69.		Mass per Meter	IS : 1786: 2008
70.		Bend Test	IS 1599: 2023
71.		Rebend Test	IS 1786:2008
72.		Pull Out Test	IS 2770 PART 1:1967
73.		Size Tolerance	IS 1812:1982
74.	Carbon Steel Wire for The Manufacture of Wood Screws		
		Bend Test	IS 1812:1982
75.	Round steel wire for ropes	Size and Dimensions	IS 1835:1976
76.		Tortion Test	IS 1717:2018
77.	Carbon Steel Billets, Blooms, Slabs and Bars for Forgings	Dimensions	IS 1875:1992`

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
78.	Specification for Cold Forged	Dimension	IS 10102:1982
79.	Solid Steel Rivets for Hot	Shear Test	IS 10102:1982
80.	Closing (6 to 16mm Diameter)	Head Soundness Test	IS 10102:1982
81.	Cold - rolled steel strips for springs	Tolerance	IS 2507:1975
82.		Tolerances On Edge Camber	IS 2507:1975
83.		Vicker Hardness	IS 1501 Part 1 & 2:2020
84.	Steel drums (galvanized and ungalvanized)	Capacity	IS 2552:1989
85.		Dimensions	IS 2552:1989
86.		Air Pressure Test	IS 2552:1989
87.		Handle Pull Out Test	IS 2552:1989
88.		Drop Test	IS 2552:1989
89.		Closure	IS 1784:1984
90.	Mild steel for metal arc welding electrodes	Dimensions	IS 2879:1988
91.		Tolerances	IS 2879:1988
92.	Steel Chequered Plate	Dimensions and Rolling Tolerances	IS 3502:2009
93.	Low carbon galvanized steel wires, formed wires and tapes for armouring of cables	Dimensions and Tolerances	IS 3975:1999
94.	Low carbon galvanized steel wires, formed wires and tapes for armouring of cables	Resistance Test	IS 10810 Part 42
95.	Steel Wire for Umbrella Ribs	Size	IS 4223:1979

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
96.	Steel Wire for Umbrella Ribs	Torsion Test	IS 1717:2018
97.		Straightness Test	IS 4223:1979
98.		Deflection Test	IS 4223:1979
99.	Steel Wire for Staple Pins and Clips	Size and Tolerance	IS 4324:1972
100.	Alloy steel billets, blooms and slabs for forging for general engineering purposes	Dimensions and Tolerances	IS 4368:1967
101.	Stainless Steel Sheets and Strips for Utensils	Dimensions and Tolerances	IS 5522:2914
102.		Cupping Test	IS 10175:2018
103.	Cold Rolled Steel Strips (Box Strappings)	Dimensions and Tolerances	IS 5872:1990
104.		Corrosion Resistance Test	IS 9844:1981
105.	Stainless Steel Wire Rods	Dimensions and Tolerances	IS 6527:1995
106.	Stainless Steel Wire	Resistance Test	IS 10461 Part 1 And Part 2:1994
107.	Stainless Steel Billets, Bloom and Slabs	Resistance Test	IS 10461 Part 1 And Part 2:1994
108.		Dimensions and Tolerances	IS 6529:1996
109.	Stainless Steel Bars and Flats	Dimensional Tolerance	IS 6603:2001
110.		Corrosion Test	IS 10461 Part 1 And Part 2:1994
111.	Steel Wires for Spokes	Wire Diameter and Tolerance	IS 6902:1973
112.		Bend Test	IS 1716:2023
113.	Stainless Steel Plate, Sheet and Strip	Dimensional Tolerance	IS 6911:2017



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
114.	Stainless Steel Plate, Sheet and Strip	Corrosion Test	IS 10461 Part 1 And Part 2:1994
115.		Erichson Cupping Test	IS 10175:2018
116.	Steel Wire (Up to 20mm) for the Manufacture of Cold-Forged Rivets	Shear Test	IS 10102:1982
117.		Dimensional Tolerance	IS 7557:1982
118.	Mild Steel Wire Rod for General Engineering Purposes	Size and Tolerance	7887:1992
119.	Steel Cast Billet Ingots, Billets and Blooms for Production of High Carbon Steel Wire Rods	Dimensions	IS 8951:2001
120.	Steel Ingots, Blooms and Billets for Production of Mild Steel Wire Rods for General Engineering Purposes	Dimensions	IS 8952:1995
121.	Steel Ingots, Blooms and Billets for Production of Mild Steel Wire Rods for General Engineering Purposes	Macro Examination	IS 11371:1985
122.		Sulphur Print Test	IS 12037:1987
123.		Inclusion Rating	IS 4163:1982
124.	Cold-Rolled Steel Strips for	Dimensions and Tolerances	IS 9476:1980
125.	Carbon Steel Razor Blades	Microstructure	IS 7739 Part 1 And 7739 Part 5:1976
126.	Heat Resisting Steels	Dimensions and Tolerances	IS 9516:1980

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
127.	Bright Steel Bars	Dimensions and Tolerances	IS 9550:2001
128.		Decarburization Test	IS 9550:2001
129.	Steel Wire for Needles	Size Of Wire	IS 9962:1981
130.		Decarburization Test	IS 9962:1981
131.	Fasteners - Threaded Steel	Dimension and Tolerance	IS 10238:2001
132.	Fasteners - Step Bolts for Steel Structures	Cantilever Test	IS 10238:2001
133.	Stainless Steel for Welding Electrode Core Wire	Size and Tolerance	IS 10631:1983
134.	Hot-Rolled Steel Strip for Welded Tubes and Pipes	Dimension and Tolerance	IS 1079:2017/IS 1730:1989/ IS 16160:2005
135.	Hot Rolled Carbon Steel Strip for Cold Rolling Purposes	Dimension and Tolerance	IS 11513:2017
136.	Fastener Threaded Steel	Dimension and Tolerance	IS 12427:2001
137.	Fasteners - Hexagon Head Transmission Tower Bolts	Shear Strength	IS 12427:2001
138.	Continuously Pre-Painted Galvanized Steel Sheets and Coils	Bend Test	IS 14246:2013
139.		Pencil Hardness Test	IS 14246:2013
140.		Impact Resistance	IS 14246:2013
141.		Cross Hatch Test	IS 14246:2013
142.		Appearance	IS 14246:2013/101 Pt 4 Sec-4
143.		Salt Spray Corrosion Test	IS 9844:1981

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
144.	Continuously Pre-Painted Galvanized Steel Sheets and Coils	Dimension Tolerance	IS 14246:2013
145.	Low Carbon High Strength Cold Rolled Steel Sheets and Coils for Cold Forming	Dimension and Tolerance	IS 14491:1997
146.	Hot Rolled Steel Narrow Width Strip for Welded Tubes and	Dimension and Tolerance	IS 15647:2006/IS 1852/IS 1079:2017/IS 1730:1989
147.	Pipes	Cupping Test	IS 10175:2018
148.	Stainless Steel Tower Bolts	Dimension	IS 15833:2000
149.	High Tensile Strength Flat Rolled Steel Plate (UP To 6 mm), Sheet and Strip for The Manufacture of Welded Gas Cylinder	Dimension and Tolerance	IS 15914:2011/ IS 1730:1989 IS 16160 :2012
150.	Hot Dip Aluminium-Zinc Alloy	Dimension Shape and Tolerance	IS 15961:2012/IS 16163 :2012
151.	Metallic Coated Steel Strip and Sheet (Plain)	Coating Adhesion Test	IS 15961:2012
152.	Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet (Plain)	Dimension Shape and Tolerance	IS 15961:2012/IS 16163 :2012
153.		Gloss	IS 15965:2012
154.		Dry Film Thickness	IS 15965:2012
155.		Corrosion Resistance Test	IS 9844:1981
156.		Humidity Resistance Test	IS 101 Part-6 Sec-1

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
157.	Low Nickel Austenitic Stainless-Steel Sheet and Strip for Utensils and Kitchen Appliances	Cupping Test	IS 10175:2018
158.	Hollow Steel Sections for Structural Use	Outside Dimension	IS 4923:2017
159.		Thickness	IS 4923:2018
160.		Concavity and Convexity	IS 4923:2019
161.		Squareness Of Side	IS 4923:2020
162.		Straightness and Twist	IS 4923:2021
163.		Weight	IS 4923:2022
164.	Steel Pipes for Water and Sewage	Flattening Test	IS 2328:2005
165.		Guided Bend Test	IS 3589:2001
166.		Dimension And Tolerance	IS 3589:2001
167.		Mass Per Meter Run	IS 3589:2001
168.	Steel Tubes Used for Water Well	Flattening Test	IS 2328:2005
169.		Dimensions (Thickness)	IS 4270:2001
170.		Dimensions (Outer dia.)	IS 4270:2001
171.		Mass Per Meter Run	IS 4270:2001
172.		Pipe Tube Ends	IS 4270:2001
173.		Alignment	IS 4270:2001
174.		Coating Test	IS 4270:2001
175.	Steel Tubes for Idlers for Belt Conveyors	Flattening Test	IS 2328:2018
176.		Drift Expansion	IS 2335:1984



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
177.	Steel Tubes for Idlers for Belt Conveyors	Weight	IS 9295:1983
178.		Ovality	IS 9295:1983
179.		Dimension Tolerances (Outer Dia.)	IS 9295:1983
180.		Straightness	IS 9295:1983
181.		Length	IS 9295:1983
182.	Composite Bottom Stainless-Steel Cooking Utensils	Adhesion Test	IS 15960: 2013
183.		Coating Thickness Test	IS 15960: 2013
184.		Staining Test	IS 15960: 2013
185.	Grey Iron Castings	Size	IS 210:2009
186.		Transverse Test	IS 210:2009
187.	Centrifugally cast (Spun) iron pressure pipes for water, gas and sewage	Size and Dimensions	IS 1536:2001
188.		Mass	IS 1536:2001
189.		Coating Test	IS 1536:2001
190.	Cast iron fittings for pressure pipes for water, gas and sewage	Size and Dimensions	IS 1538:2001
191.		Mass	IS 1538:2001
192.		Coating Test	IS 1538:2001
193.	Cast iron/ductile iron drainage pipes and pipe fittings for over	Masses	IS 1729:2002

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
	ground non-pressure pipeline socket and spigot series		
194.	Cast iron/ductile iron drainage pipes and pipe fittings for over ground non-pressure pipeline socket and spigot series	Dimension And Tolerances	IS 1729:2002
195.		Hammer Test	IS 1729:2002
196.		Leakage Test	IS 1729:2002
197.		Coating Test	IS 1729:2002
198.	Specification for Horizontally Cast-Iron Double Flanged Pipes for Water, Gas and Sewage	Size and Mass	IS 1538:2001
199.		Permissible Deviation from Straightness	IS 7181:1986
200.		Coating Test	IS 7181:1986
201.	Centrifugally Cast (Spun) Ductile Iron Pressure Pipes for Water, Gas and Sewage	Tensile Strength Flange	IS 8329:2000
202.		Tensile Test	IS 8329:2000
203.		% Elongation	IS 1608 Part 1:2022
204.		Length	IS 8329:2000
205.		Internal Dia	IS 8329:2001
206.		Wall Thickness	IS 8329:2002
207.		External Diameter	IS 8329:2002
208.		Ovality	IS 8329:2000
209.	Centrifugally Cast (Spun) Ductile Iron Pressure Pipes for Water, Gas and Sewage	Deviation From Straight Line	IS 8329:2001
210.		Coating	IS 8329:2002
211.		Internal Lining	IS 8329:2003
212.		Tensile Strength Flange	IS 9523:2000

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
213.	Ductile Iron Fittings for Pressure Pipes for Water, Gas and Sewage	Tensile Test	IS 9523:2002
214.		% Elongation	IS 9523:2003
215.		Length	IS 9523:2006
216.		Internal Dia	IS 9523:2007
217.		Wall Thickness	IS 9523:2008
218.		External Diameter	IS 9523:2009
219.		Ovality	IS 9523:2010
220.		Deviation From Straight Line	IS 9523:2011
221.		Coating	IS 9523:2012
222.		Internal Lining	IS 9523:2013
223.	Free Cutting Brass Bars, Rods and Section	Dimension And Tolerances	IS 319:2007/IS 2826 : 1980
224.	Copper and its Allied Product	Tensile Test	IS 1608 Part 1:2022
225.	Copper and its Allied Product	% Elongation	IS 1608 Part 1:2022
226.		Proof Stress	IS 1608 Part 1:2022
227.	High Tensile Brass Rods and Sections	Sizes and tolerance	IS 320:1980/IS 2826:1980
228.	Copper and its Allied Product	Vicker Hardness	IS 1501 Part 1 & 2:2020
229.		Bend Test	IS 1599:2019
230.	Cold Roll Brass Sheet Strip and	Dimensions	IS 410:1977/ IS 3052:1986
231.	Foil	Dimensions	IS 410:1977/IS 3052:1986



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
232.	Brass Wires for General Eng Purposes	Dimension And Tolerances	IS 9861:1981
233.	Copper Rods and Bars for Electrical Purposes	Dimension And Tolerances	IS 613:2000
234.	Solid Drawn Copper and Copper Alloy Tubes for Condensers and Heat Exchangers	Dimension And Tolerances	IS 1545:1994 /5493:1981
235.		Flattening Test	2328:1983
236.		Drift Expansion	2326:1985
237.		Microscopic Examination	IS 4748:1988
238.		Mercurous Nitrate Test	IS 2305:1988
239.	Copper Strip for Electrical Purposes	Dimension And Tolerances	IS 1897:2008/IS 3052:1986
240.	Copper Strip for Electrical Purposes	Edge Wise Bending	IS 1897:2008/IS 3052:1986
241.		Conductivity	IS 1897:2008/IS 3052:1986
242.		Straightness	IS 1897:2008/IS 3052:1986
243.	Solid Drawn Copper Tubes for General Engineering Purposes	Dimension And Tolerances	IS 5493:1981
244.		Flattening and Doubling-Over Test	IS 2501:1995
245.		Drift Expansion	IS 2305:1988
246.		Microscopic Examination	IS 4748:1988
247.	Copper rods and bars for general engineering purposes	Dimension And Tolerances	IS 2826:1980
248.	Copper Wire for General Eng. Purposes	Dimension And Tolerances	IS 9861:1981

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
249.	Wrought Copper Tubes for Refrigeration and Air-Conditioning Purposes	Dimension And Tolerances	IS 10773:1995/ IS 5493:1981
250.		Flattening and Doubling-Over Test	IS 2501:1995
251.		Drift Expansion	IS 2305:1988
252.		Microscopic Examination	IS 4748:1988
253.		Residue Test	IS 10773:1995
254.	Copper Wire Rods for Electrical Applications	Dimension And Tolerances	IS 12444:2020
255.	Copper Wire Rods for Electrical Applications	Volume Resistivity	IS 12444:2020
256.		Surface Test (Optional)	IS 12444:2020
257.	Pressure cooker	Air Pressure Test	IS 2347: 2023
258.		Bursting Pressure Test	IS 2347: 2023
259.		Operating Test For Regulating Device	IS 2347: 2023
260.		Proof Pressure Test	IS 2347: 2023
261.		Removal of Lid Under Pressure	IS 2347: 2023
262.		Safety Pressure Relief Device Test	IS 2347: 2023
263.		Spring Load Mechanism	IS 2347: 2023
264.		Capacity	IS 2347: 2023
265.		Gasket	IS 7466-2023
266.		Handles and Knobs	IS 13395-2021
267.	Potable Water Bottles (Copper, Stainless Steel, Aluminium)	Capacity Test	IS 17803: 2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
268.	Potable Water Bottles (Copper, Stainless Steel, Aluminium)	Drop Impact Test	IS 17803: 2022
269.		Pendulum Impact Test	IS 17803: 2022
270.		Strength of Shoulder Strap	IS 17803: 2022
271.		Test for Cord	IS 17803: 2022
272.	Potable Water Bottles (Copper, Stainless Steel, Aluminium)	Test for Cord Chain	IS 17803: 2022
273.		Leakage Test	IS 17803: 2022
274.		Staining Test (Stainless Steel Bottle Only)	IS 17803: 2022
275.		Lever, Device for Operating or Regulating Flow Test	IS 17803: 2022
276.		Test for Stability of Bottle	IS 17803: 2022
277.		Load Test	IS 17803: 2022
278.	Stainless Steel Utensils	Shapes and Dimensions (Thickness)	IS 14756: 2022
279.		Staining Test	IS 14756: 2022
280.		Mechanical Shock Test	IS 14756: 2022
281.		Thermal Shock Test	IS 14756: 2022
282.		Dry Heat Test	IS 14756: 2022
283.		Coating Thickness Test	IS 14756: 2022
284.		Nominal Capacity Test	IS 14756: 2022
285.		Fragmentation Test	IS 14756: 2022
286.		Ball Drop Test	IS 14756: 2022

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
287.	Stainless Steel Utensils	Free Fall Test	IS 14756: 2022
288.	Performance of Handles and Handle Assemblies Attached to Cookware	Bending Strength	IS 13395: 2021
289.		Torque Strength	IS 13395: 2021
290.		Impact Strength	IS 13395: 2021
291.		Fatigue Resistance	IS 13395: 2021
292.		Leakage	IS 13395: 2021
293.		Thermal Insulation	IS 13395: 2021
294.		Heat Resistance	IS 13395: 2021
295.		Washing Resistance	IS 13395: 2021
296.		Burning Resistance	IS 13395: 2021
297.	Wrought and Cast Aluminium Utensils	Shape And Dimensions	IS 1660: 2024
298.		Performance Test	IS 1660: 2024
299.		Ground Nut Oil Test for Leakage	IS 1660: 2024
300.		Fragmentation Test	IS 1660: 2024
301.		Ball Drop Test	IS 1660: 2024
302.		Thermal Shock Test	IS 1660: 2024
303.		Free Fall Test	IS 1660: 2024
304.		Glass lid with rim	IS 1660: 2024
305.		Glass lid without rim	IS 1660: 2024
306.	Stainless Steel Sink for Domestic Purpose	Bowl Locating Limits	IS 13983: 1994
307.		Construction and Workmanship	IS 13983: 1994
308.		Coordinating Size	IS 13983: 1994

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
309.	Stainless Steel Sink for Domestic Purpose	Depth of Bowls	IS 13983: 1994
310.		Dimensions and Tolerances, Thickness of Sheet/Strip	IS 13983: 1994
311.		Finish	IS 13983: 1994
312.		Internal Dimension of Bowl	IS 13983: 1994
313.		Over-flows	IS 13983: 1994
314.		Tap Holes	IS 13983: 1994
315.	Domestic Gas stove for use with LPG	Materials	IS 4246, Amd- 5, Cl. 12, & 12.1Amd 4: 2002
316.		Burner Pan Supports	IS 4246, Amd- 5, Cl. 12, & 12.1Amd 4: 2002
317.		Surface of Glass or Glass Ceramic (a). General Verification of the Strength of the Gas Stove Surface of Toughened Glass Top Against Thermal Stress (b). Fragmentation Test of the Toughened Glass Stove Top	IS 4246, Cl. 5.1, 15.1, 15.2, Amd 4: 2002
318.		Burners	IS 5116, Cl. 10: 2020
319.		Combustion	IS 4246:2002, Amd 5: 2002
320.	Domestic Gas stove for use with LPG	Design For Maintenance	IS 4246, Cl 6 to 6.6: 2002
321.		Fire Hazard & Limiting Temp.	IS 4246, Amd-5 Cl 25:2002
322.		Fire Hazard & Limiting Temp.	IS 5116: 2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
323.	Domestic Gas stove for use with LPG	Flame stability	IS 4246, Cl.19 to 19.3:2002
324.		Flash Back	IS 4246, Amd-5, cl 21:2002
325.		Formation of Soot	IS 4246, Amd-5, Cl 22:2002
326.		Gas Consumption	IS 4246 cl 17.1 to 17.2, Amd-5: 2002
327.		Gas Inlet Connection	IS 4246, Cl. 14 to 41.2: 2002 / IS 5116 cl 18.0 to 18.4: 2020
328.		Gas Leak Detector	IS 4246, Cl. 13.2, Amd 4: 2002 / IS 13432(P-1), Amd 1:1992 / IS 13432 (P-2):1998
329.		Gas Soundness	IS 4246, Cl 13: 2002 / IS 5116, Cl. 16: 2020
330.		Gas Tap	IS 4246, Amd- 5, Cl. 9: 2002 / IS 5116, Cl. 8 to 8.12: 2020
331.		General	IS 4246, Amd-5, Cl-4.0,4.1,4.1.1: 2002 /IS 5116 cl 4 :2020
332.		Ignition and Flame Travel	IS 4246, Cl.18,18.4, Amd- 5: 2002
333.		Injector Jets, Across Flats, Projection Threads	IS 4246: 2002 / IS:5116, Cl. 9:2020
334.		Materials (Ageing, Flashback)	IS 4246, Cl. 5, Amd 5: 2002
335.		Materials (Change in Weight & Volume)	IS 5116, Cl 5.0 to 5.7: 2020 / IS:2305, Cl. 3:1988
336.		Noise Control	IS 4246, Amd - 5, Cl-20, 2002
337.		Resistance to Draught	IS 4246, Amd "5, Cl.23: 2002

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
338.	Domestic Gas stove for use with LPG	Rigidity and Stability	IS 4246, Amd "5, Cl-7,7.1 to 7.3: 2002
339.		Strength and Rigidity	IS 4246, Amd "5, Cl.15: 2002
340.		Thermal Efficiency	IS 4246, Amd "5, Cl. 26: 2002
341.		Workmanship and Finish	IS 4246, Amd "5, Cl-8.1 to 8.3: 2002
342.		Workmanship and Finish	IS 5116, Cl-7 to 7.7: 2020
343.	Domestic gas stoves for use with piped natural gas (PNG)	Burners	IS 17153: 2019
344.	Domestic gas stoves for use with piped natural gas (PNG)	Combustion	IS 17153: 2019
345.		Design for Maintenance	IS 17153: 2019
346.		Fire Hazard and Limiting Temperature	IS 17153: 2019
347.		Flame Stability	IS 17153: 2019
348.		Flash Back	IS 17153: 2019
349.		Formation of Soot	IS 17153: 2019
350.		Gas Consumption	IS 17153: 2019
351.		Gas Inlet Connections	IS 17153: 2019
352.		Gas Taps	IS 17153: 2019
353.		General	IS 17153: 2019
354.		Ignition and Flame Travel	IS 17153: 2019
355.		Injector Jets	IS 17153: 2019
356.		Noise Control	IS 17153: 2019
357.		Pan Support	IS 17153: 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
358.	Domestic gas stoves for use with piped natural gas (PNG)	Resistance to Draught	IS 17153: 2019
359.		Rigidity and Stability	IS 17153: 2019
360.		Strength and Rigidity	IS 17153: 2019
361.		Thermal Efficiency	IS 17153: 2019
362.		Workmanship and Finish	IS 17153: 2019
363.		Gas Taps	IS 17153: 2019
364.	Mini Domestic Water Heater for use with LPG	Combustion	IS 15558: 2024
365.		Connections	IS 15558: 2024
366.		Flame Stability	IS 15558: 2024
367.		Flash Back	IS 15558: 2024
368.		Gas Taps	IS 15558: 2024
369.		General Requirement	IS 15558: 2024
370.		Hot Water Output test	IS 15558: 2024
371.		Ignition and Flame Travel	IS 15558: 2024
372.		Ignition Device	IS 15558: 2024
373.		Materials	IS 15558: 2024
374.		Noise Control	IS 15558: 2024
375.		Protection against Accidental Overheating	IS 15558: 2024
376.		Resistance to Draught	IS 15558: 2024
377.		Thermal Efficiency	IS 15558: 2024
378.		Time for Temperature Rise	IS 15558: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
379.	Mini Domestic Water Heater for use with LPG	Water Rate Adjuster	IS 15558: 2024
380.		Water Soundness	IS 15558: 2024
381.	Domestic Stainless Steel Vacuum Flask / Bottle	Arrangement for Holding and Suspension	IS 17526:2021
382.		Capacities	IS 17526:2021
383.		Drop Impact	IS 17526:2021
384.		Fixing Strength of the Handle	IS 17526:2021
385.		Joint Leak Test	IS 17526:2021
386.		Leakage Test	IS 17526:2021
387.		Length of the Shoulder strap	IS 17526:2021
388.		Manufacture and Workmanship	IS 17526:2021
389.		Marking	IS 17526:2021
390.		Material (Thickness)	IS 17526:2021
391.		Packaging	IS 17526:2021
392.		Pendulum Impact	IS 17526:2021
393.		Pour Test	IS 17526:2021
394.		Stability of Flask/Bottle	IS 17526:2021
395.	Domestic Stainless Steel Vacuum Flask / Bottle	Test for Strength of Cord	IS 17526:2021
396.		Test for Strength of Shoulder Strap	IS 17526:2021
397.	Insulated Flask for Domestic Use	Capacity Test	IS 17790:2022



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
398.	Insulated Flask for Domestic Use	Drop Impact Test	IS 17790:2022
399.		Joint Leak Test	IS 17790:2022
400.		Leakage Test	IS 17790:2022
401.		Lever Device for operating or Regulating Flow Test	IS 17790:2022
402.		Manufacture and Workmanship	IS 17790:2022
403.		Marking	IS 17790:2022
404.		Material (Thickness)	IS 17790:2022
405.		Packaging	IS 17790:2022
406.		Pendulum Impact Test	IS 17790:2022
407.		Pour Test	IS 17790:2022
408.		Seepage Test	IS 17790:2022
409.		Test for Fixing Strength of the Handle	IS 17790:2022
410.		Test for Length of the Shoulder strap	IS 17790:2022
411.		Test for Stability of Flask/Bottle	IS 17790:2022
412.		Test for Strength of Cord	IS 17790:2022
413.		Test for Strength of Shoulder Strap	IS 17790:2022
414.	Insulated Containers for Food Storage	Capacity Test	IS 17569:2021
415.		Cleaning	IS 17569:2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
416.	Insulated Containers for Food Storage	Drop Impact Test	IS 17569:2021
417.		Joint Leak Test	IS 17569:2021
418.		Leakage Test	IS 17569:2021
419.		Length of the Shoulder strap	IS 17569:2021
420.		Manufacture and Workmanship	IS 17569:2021
421.		Marking	IS 17569:2021
422.		Material (Thickness)	IS 17569:2021
423.		Packaging	IS 17569:2021
424.		Pendulum Impact Test	IS 17569:2021
425.		Seepage Test	IS 17569:2021
426.		Stability of Insulated Container	IS 17569:2021
427.		Strength of the Handle	IS 17569:2021
428.		Test for Strength of Shoulder Strap	IS 17569:2021
429.	Potable Water Bottles (Copper, Stainless Steel, Aluminium)	Capacity Test	IS 17803:2022
430.		Drop Impact Test	IS 17803:2022
431.		Leakage Test	IS 17803:2022
432.		Lever Device for operating or Regulating Flow Test	IS 17803:2022
433.		Load test	IS 17803:2022
434.		Manufacture and Workmanship	IS 17803:2022
435.		Marking	IS 17803:2022

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
436.	Potable Water Bottles (Copper, Stainless Steel, Aluminium)	Material (Thickness)	IS 17803:2022
437.		Packaging	IS 17803:2022
438.		Pendulum Impact Test	IS 17803:2022
439.		Test for Stability of Bottle	IS 17803:2022
440.		Test for Strength of Cord	IS 17803:2022
441.		Test for Strength of Cord Chain	IS 17803:2022
442.		Test for Strength of Shoulder Strap	IS 17803:2022
443.	Specification for Door Handles for Mortice Locks (Vertical Type)	Type	IS 4992: 1975 Clause 2
444.		Size	IS 4992: 1975 Clause 2
445.		Manufacture and Construction	IS 4992: 1975 Clause 4
446.		Dimensions and Tolerances	IS 4992: 1975 Clause 5.1
447.		Performance Requirements	IS 4992: 1975 Clause 6
448.		Workmanship	IS 4992: 1975 Clause 7.1
449.		Marking	IS 4992: 1975 Clause 10.1
450.		Corrosion Resistance	IS:4992, IS:9844
451.	Door Handles	Types	IS 208: 2020 Clause 3
452.		General	IS 208: 2020 Clause 5.1
453.		Dimensions and Tolerances	IS 208: 2020 Clause 6.1 & 6.2
454.		Screw Holes	IS 208: 2020 Clause 6.1 & 6.2
455.		Screw Designation No.	IS 6760: 1972 Clause 6.1 & 6.2
456.		Finish	IS 208: 2020 Clause 7



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Mechanical Properties of Metals		
457.	Door Handles	Pencil Hardness	Test IS 208: 2020 Clause 8.1
458.		Corrosion Test	IS 9844: 1981 Clause 8.2
459.		Anodizing Test	IS 1868: 1996 Clause 8.3
460.		Marking	IS 208: 2020 Clause 10

