



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name BUREAU OF INDIAN STANDARDS (NORTHERN REGIONAL LABORATORY), B-69, PHASE-VII, INDUSTRIAL AREA, MOHALI, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-5345 Page No. : 1 / 82

Validity 14/11/2018 to 13/11/2020 Last Amended on 06/12/2018

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Alkali content	IS 4032: 1985	0.01 % to 2.0 %
2	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Calcium Oxide	IS 4032: 1985	35 % to 70 %
3	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Combined Ferric Oxide & Alumina	IS 4032: 1985	5 % to 15 %
4	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Insoluble Residue	IS 4032: 1985	1 % to 25 %
5	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Iron Oxide	IS 4032: 1985	0.5 % to 6.0 %
6	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Loss on ignition	IS 4032: 1985	0.2 % to 8.0 %
7	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Magnesium Oxide	IS 4032: 1985	0.5 % to 8.0 %



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8	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Silica	IS 4032: 1985	15 % to 25 %
9	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Sulphuric Anhydride	IS 4032: 1985	0.1 % to 5 %
10	CHEMICAL- BUILDING MATERIAL	Cement (Ordinary Portland Cement, Portland Pozzolana and Slag Cement)	Total Chloride	IS 4032: 1985	0.01 % to 0.5 %
11	CHEMICAL- BUILDING MATERIAL	Glass	Hydrolytic resistance (Limit of alkalinity)	IS 2303 Part 1: 2012	0.1 g/ml to 2.0 g/ml
12	CHEMICAL- BUILDING MATERIAL	Plywood	Retention of preservative chemicals	IS 2753 (Part 1): 1991	5 kg/m ³ to 30 kg/m ³
13	CHEMICAL- BUILDING MATERIAL	Salt glazed stoneware Pipe and fittings	Test for acid Resistance	IS 651: 2007	0.1 % to 5.0 %
14	CHEMICAL- BUILDING MATERIAL	Salt glazed stoneware Pipe and fittings	Test for Alkali Resistance	IS 651: 2007	Qualitative
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits	Moisture Acid	IS 1011: 2002	0.1 to 10
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Acid Insoluble Ash	IS 7874 (Part 1): 1975	0.1 % to 15.0 %



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17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Calcium	IS 7874 (Part 2): 1975	0.1 % to 2.05 %
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Crude Fat	IS 7874 (Part 1): 1975	0.1 % to 5.0 %
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Crude Fibre	IS 7874 (Part 1): 1975	1 % to 25 %
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Moisture	IS 7874 (Part 1): 1975	1 % to 25 %
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Phosphorus	IS 7874 (Part 2): 1975	0.1 % to 5.05 %
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Protein	IS 7874 (Part 1): 1975	1 % to 30 %
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cattle Feed	Salt	IS 7874 (Part 2): 1975	0.1 % to 5.05 %
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cheese	Milk Fat	IS 2785: 1979	0.5 % to 75 %
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cheese	Moisture	IS 2785: 1979	1 % to 85 %
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cheese	Salt	IS 2785: 1979	1 % to 10 %



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27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Accelerated Storage Test	IS 1166: 1986	Qualitative
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Fat	IS 11762: 2013	0.1 % to 35.0 %
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Sucrose/Reducing Sugars	IS 4079: 1986	0.1 % to 75.1 %
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Titrateable Acidity	IS 1166: 1986	0.1 % to 5.0 %
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Condensed Milk	Total Milk Solids	IS 11622: 1986	5 % to 75 %
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder/Skimmed Milk powder	Fat	IS 11721: 2013	0.1 % to 35.0 %
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder/Skimmed Milk powder	Titrateable Acidity	IS 11766: 1986	0.1 % to 5.0 %
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder/Skimmed Milk powder	Total Solids	IS: 1165: 2002	90 % to 99.9 %
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder/Skimmed Milk powder	Insolubility Index	IS 12759: 1989	0.1 ml to 25 ml
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder/Skimmed Milk powder	Moisture	IS 11623: 2008	0.15 % to 10.0 %



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37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder/Skimmed Milk powder	Total Ash (on dry basis)	IS 14433: 2007	0.1 % to 12 %
38	CHEMICAL- METALS & ALLOYS	Electroplated coatings	Thickness of Chromium	IS 3203: 1982	0.1 micron to 5.0 micron
39	CHEMICAL- METALS & ALLOYS	Electroplated coatings	Thickness of Nickel	IS 3203: 1982	1 micron to 25.0 micron
40	CHEMICAL- METALS & ALLOYS	Steel	Carbon	IS 228 (Part 20): 1987	0.05 % to 1.50 %
41	CHEMICAL- METALS & ALLOYS	Steel	Manganese	IS 228 (Part 2): 1987	0.1 % to 2.5 %
42	CHEMICAL- METALS & ALLOYS	Steel	Nitrogen	IS 228 (Part 19): 1998	0.001 % to 0.015 %
43	CHEMICAL- METALS & ALLOYS	Steel	Phosphorus	IS 228 (Part 3): 1987	0.01 % to 0.25 %
44	CHEMICAL- METALS & ALLOYS	Steel	Silicon	IS 228 (Part 8): 1989	0.05 % to 2.0 %
45	CHEMICAL- METALS & ALLOYS	Steel	Sulphur	IS 228 (Part 20): 1989	0.01 % to 0.25 %
46	CHEMICAL- METALS & ALLOYS	Steel & Steel Products	Mass of Zinc Coating	IS 6745: 1972	10 g/m ² to 1500 g/m ²
47	CHEMICAL- METALS & ALLOYS	Steel & Steel Products	Uniformity of Zinc Coating	IS 2633: 1986	Qualitative
48	CHEMICAL- METALS & ALLOYS	Tin Plate	Mass of Tin coating	IS 1327: 1988	1.0 g/m ² to 10.0 g/m ²
49	CHEMICAL- PLASTIC & RESINS	Plastic Container for Drinking Water	Overall Migration	IS 9845: 1998	1 mg/l to 80 mg/l



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50	CHEMICAL- PLASTIC & RESINS	Plastic Container for Drinking Water	Water Portability	IS 15410: 2003	Qualitative
51	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Ageing in Air Oven	IS 10810 (Pt.11): 1984	Qualitative
52	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Elongation at break	IS 10810 (Pt.7): 1984	0 % to 900 %
53	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	High Voltage Test	IS 14255: 1995	Qualitative
54	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Hot Set Test	IS 10810 (Pt.30): 1984	0 % to 900 %
55	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Resistance Test on Conductor	IS 10810 (Pt. 5): 1984	0.000002 Ohm to 1.1 Ohm
56	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Shrinkage Test	IS 10810 (Pt.12): 1984	0 mm to 300 mm
57	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Tensile Strength for Insulation	IS 10810 (Pt.7):	0 N to 2000 N



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58	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Tensile test for aluminum	IS 10810 (Pt.2): 1984	0 N to 2000 N
59	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Thickness of Insulation	IS 10810 (Pt.6): 1984	0 mm to 150 mm
60	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V	Wrapping Test for Aluminum	IS 10810 (Pt.3): 1984	Qualitative
61	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cable for working voltage upto and including 1100V, IS 14255: 1995	Water absorption test (gravimetric)	IS 10810 (Pt.33): 1984	0 g to 180 g
62	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum alloy stranded Conductors)	Breaking load	IS 398(Pt.4): 1994	0 N to 10000 N
63	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum alloy stranded Conductors)	Dimensions	IS 398(Part 4): 1994	0 mm to 25 mm



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64	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Breaking load of Aluminum wire	IS 398(Pt.5): 1992	0 N to 60000 N
65	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Breaking load of Steel wire	IS 398(Pt.5): 1992	0 kN to 300 kN
66	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Dimensions	IS 398(Pt.5): 1992	0 mm to 25 mm
67	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Ductility test : Torsion test	IS 398(Pt.5): 1992	0 turns to 99999 turns



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68	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Elongation test	IS 398(Pt.5): 1992	0 % to 160 %
69	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Lay ratio	IS 398(Pt.5): 1992	0 to 50
70	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Resistance test	IS 398(Pt.5): 1992	0.000002 ohm to 1.1 ohm
71	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum conductors-Galvanized Steel reinforced for Extra high voltage (400 KV and above))	Wrapping test for Al & steel wire	IS 398(Pt.5): 1992	Qualitative



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72	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Aluminum & Steel wire Wrapping Test	IS 398 (Pt.2): 1996	Qualitative
73	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Breaking Load of Aluminum Wire	IS 398 (Pt.2): 1996	0 N to 10000 N
74	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Breaking Load of Steel Wire	IS 398 (Pt.2): 1996	0 N to 60000 N
75	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Breaking Load on Aluminum Wire	IS 398 (Pt.1): 1992	0 N to 10000 N
76	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Dimension	IS 398 (Pt.2): 1996	0 mm to 25 mm
77	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Dimensions	IS 398 Part 1: 1996	0 mm to 25 mm



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78	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Ductility Test : Torsion Test	IS 398 (Pt.2): 1996	0 turns to 99999 turns
79	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Elongation test	IS 398(Pt.4): 1994	0 % to 160 %
80	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Elongation Test on steel wire	IS 398 (Pt.2): 1996	0 % to 50 %
81	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Lay Ratio	IS 398 (Pt.1): 1996	0 to 50
82	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Lay Ratio	IS 398 (Pt.2): 1996	0 to 50
83	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Lay ratio	IS 398(Pt.4): 1994	0 to 50



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84	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Resistance Test	IS 398 (Pt.1): 1996	0.000002 ohm to 1.1 ohm
85	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Resistance Test	IS 398 (Pt.2): 1996	0.000002 ohm to 1.1 ohm
86	ELECTRICAL- CABLES & WIRES	Aluminum Conductors for overhead transmission purposes (Aluminum stranded Conductors)	Resistance test	IS 398(Pt.4): 1994	0.000002 ohm to 1.1 ohm
87	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Cold Bend Test	IS 10810 (Pt.20): 1984	Qualitative
88	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Cold Impact Test	IS 10810 (Pt.21): 1984	Qualitative
89	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Elongation at break	IS 10810 (Pt.7): 1984	0 % to 900 %
90	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Flammability Test	IS 10810 (Pt.53): 1984	0 mm to 600 mm
91	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Heat Shock Test	IS 10810 (Pt.14): 1984	Qualitative
92	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	High Voltage Test at room temp. (At 27±5°C)	IS 10810 (Pt.45): 1984	Qualitative
93	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Hot Deformation Test	IS 10810 (Pt.15): 1984	0 % to 100 %



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94	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Loss of Mass	IS 10810 (Pt.10): 1984	0 gm to 180 gm
95	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Resistance test on conductor	10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
96	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Shrinkage Test	IS 10810 (Pt.12): 1984	0 mm to 300 mm
97	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Tensile Strength for Insulation	IS 10810 (Pt.7): 1984	0 N to 2000 N
98	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Test for Overall dimensions & thickness of insulation and sheath	IS 10810 (Pt.6): 1984	0 mm to 150 mm
99	ELECTRICAL- CABLES & WIRES	Cable for motor vehicle	Test on copper conductor - Annealing Test	IS 10810 (Pt.1): 1984	0 % to 160 %
100	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Ageing in air oven	IS 10810 (Pt.11): 1984	Qualitative
101	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Cold Bend Test	IS 10810 (Pt. 20): 1984	Qualitative
102	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Cold Impact Test	IS 10810 (Pt.21): 1984	Qualitative



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103	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Dimensions for armouring material	IS 10810 (Pt.36): 1984	0 mm to 25 mm
104	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Elongation at break	IS 10810 (Pt.7): 1984	0 % to 900 %
105	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Elongation for armouring	IS 10810 (Pt. 37): 1984	0 % to 160 %
106	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Flame Retardance Test on bunched cable	IS 10810 (Pt.62): 1984	Qualitative
107	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Flame Retardance Test on Single cable	IS 10810 (Pt.61): 1988	Qualitative
108	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Flammability Test	IS 10810 (Pt.53): 1984	0 mm to 600 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
109	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Heat Shock Test	IS 10810 (Pt.14): 1984	Qualitative
110	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	High Voltage Test	IS 10810 (Pt.45): 1984	Qualitative
111	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Hot deformation Test	IS 10810 (Pt.15): 1984	0 % to 100 %
112	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Hot Set Test	IS 10810 (Pt. 30): 1984	0 % to 650 %
113	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Insulation Resistance Constant	IS 10810 (Pt. 43): 1984	10 M ohm to 1000000000 M ohm
114	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Loss of Mass	IS 10810 (pt.10): 1984	0 g to 180 g



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115	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Oxygen Index Test	IS 10810(Pt.58): 1984	0 % to 100 %
116	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Resistance test on conductor	IS 10810 (Pt.5): 1984	0.000002 Ohm to 1.1 Ohm
117	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Smoke Density Test	IS 13360 (Pt. 6) Section 9: 2001	0 % to 100 %
118	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Temp. Index Test	IS 10810 (Pt.64): 1984	Qualitative
119	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Tensile Strength for armouring	IS 10810 (Pt. 37): 1984	0 N to 2000 N
120	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Tensile Strength for Insulation	IS 10810 (Pt.7): 1984	0 N to 2000 N



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
121	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Test for Armouring wires/Formed wires - Resistivity Test	IS 10810 (Pt.5): 1984	0.000002 ohm to 1.1 ohm
122	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Test for Thickness of Insulation & Sheath	IS 10810 (Pt.6): 1984	0 mm to 200 mm
123	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Thermal Stability	IS 10810 (Pt .60): 1988	Qualitative
124	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Torsion Test on Galvanising armour wire	IS 10810 (Pt. 38): 1984	0 turns to 99999 turns
125	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Water absorption test (Gravimetric)	IS 10810 (Pt. 33): 1984	0 g to 180 g
126	ELECTRICAL- CABLES & WIRES	Crosslinked Polyethylene insulated pvc sheathed cable for working voltage upto and including 1100V	Winding Test on Galvanising Steel Strips	IS 10810 (Pt.39): 1984	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
127	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Ageing in air oven	IS 10810 (Pt.11): 1984	Qualitative
128	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Elongation at break	IS 10810(Pt.7): 1984	0 % to 900 %
129	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	High Voltage Test	IS 10810 (Pt.45): 1984	Qualitative
130	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Hot set test	IS 10810(Pt.30): 1984	0 % to 650 %
131	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Insulation Resistance constant	IS 10810(Pt.43): 1984	10 M ohm to 1000000000 M ohm
132	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Resistance Test	IS 10810 (Part 5): 1984	0.000002 ohm to 1.1 ohm
133	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Tensile Strength on insulation	IS 10810(Pt.7): 1984	0 N to 2000 N



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134	ELECTRICAL- CABLES & WIRES	Elastomer insulated cable for working voltage upto and including 1100V	Thickness of Insulation	IS 10810 (Pt.6): 1984	0 mm to 150 mm
135	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to 3.3kV and including 1100kV	Elongation at Break	IS 10810 (Pt.7): 1984	0 % to 900 %
136	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100 V	Tensile Strength of armouring material	IS 10810(Pt.37): 1984	0 N to 10000 N
137	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Annealing Test	IS 10810 (Pt.1): 1984	0 % to 160 %
138	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Cold Bend test	IS 10810(Pt.20): 1984	Qualitative
139	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Cold impact test	IS 10810(Pt.21): 1984	Qualitative
140	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Dimensions for armouring material	IS 10810(Pt.36): 1984	0 mm to 25 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
141	ELECTRICAL- CABLES & WIRES	PVC Insulated cables & HD cables for working voltages up to and including 1100V	Elongation at break	IS 10810 (Pt.7): 1984	0 % to 900 %
142	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Flammability test	IS 10810(Pt.53): 1984	0 mm to 600 mm
143	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Heat shock test	IS 10810(Pt.12): 1984	Qualitative
144	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Hot deformation test	IS 10810(Pt.15): 1984	0 % to 100 %
145	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Shrinkage test	10810(Pt.12): 1984	0 mm to 300 mm
146	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Tensile Strength for insulation	IS 10810 (Pt.7): 1984	0 N to 2000 N
147	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Tensile Test for aluminum	IS 10810 (Pt.2): 1984	0 N to 10000 N



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148	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Test for Overall dimensions & Thickness of Insulation and Sheath	IS 10810 (Pt.6): 1984	0 mm to 150 mm
149	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Thermal stability test	IS 10810(Pt.60): 1988	Qualitative
150	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Torsion test on gal. armour wire	IS 10810(Pt.38): 1984	0 turns to 99999 turns
151	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Winding test on galvanized steel strip	IS 10810(Pt.39): 1984	Qualitative
152	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages up to and including 1100V	Wrapping Test	IS 10810 (Pt.3): 1984	Qualitative
153	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables & HD cables for working voltages upto and including 1100V	Elongation on armouring material	IS 10810(Pt.37): 1984	0 % to 160 %
154	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Additional ageing test	IS 694: 2010	Qualitative
155	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	DC test	IS 10810(Pt.45): 1984	Qualitative



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156	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Flame retardance on single cable	IS 10810(Pt.61): 1984	Qualitative
157	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Flame retardant test	IS 10810(Pt.62): 1984	Qualitative
158	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	HV test at room temp. (At 27±5°C)	IS 694: 2010	Qualitative
159	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Insulation Resistance constant	IS 10810(Pt.43): 1984	0 to 1000000000 Mega ohm
160	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Oxygen index test	IS 10810(Pt.58): 1984	0 % to 100 %
161	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Smoke density test	IS 13360(Pt.64)/Section 9: 2001	0 % to 100 %
162	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Test on conductor:Resistance test	IS 10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
163	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including	Water immersion :AC test	IS 10810(Pt.45): 1984	Qualitative
164	ELECTRICAL- CABLES & WIRES	PVC Insulated Cables for working voltages up to and including 1100V	Resistance test	IS 10810 (Part 5): 1984	0 Ohm to 1.1 Ohm



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165	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Ageing in Air Oven	IS 10810 (Pt.11): 1984	Qualitative
166	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Annealing test for copper	IS 10810 (Pt.1): 1984	0 % to 160 %
167	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Cold Bend Test	IS 10810 (Pt. 20): 1984	Qualitative
168	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Cold Impact Test	IS 10810 (Pt.21): 1984	Qualitative
169	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Dimension for armouring material	IS 10810 (Pt. 36): 1984	0 mm to 25 mm
170	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Flame retardance on single cable	IS 10810(Pt.61): 1984	Qualitative
171	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Flame retardance test on bunched cable	IS 10810(Pt.62): 1984	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
172	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Flammability Test	IS 10810 (Pt.53): 1984	0 mm to 600 mm
173	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Heat Shock Test	IS 10810 (Pt.14): 1984	Qualitative
174	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Hot Deformation Test	IS 10810 (Pt.15): 1984	0 % to 100 %
175	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	HV test	IS 1554(Pt.2): 1988	Qualitative
176	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Insulation resistance constant	IS 10810(Pt.43): 1984	10 Mega ohm to 1000000000 Mega ohm
177	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Loss of Mass	IS 10810 (Pt.10): 1984	0 g to 180 g
178	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Oxygen index test	IS 10810(Pt.58): 1984	0 % to 100 %



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
179	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Resistance test on conductor	IS 10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
180	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Shrinkage Test	IS 10810 (Pt.12): 1984	0 % to 100 %
181	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Smoke density test	IS 13360(Pt.6)/Section 9: 2001	0 % to 100 %
182	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Temp. index test	IS 10810: 1984	Qualitative
183	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Tensile Strength for insulation	IS 10810(Pt.7): 1984	0 N to 2000 N
184	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Tensile Strength of armouring material	IS 10810 (Pt.37): 1984	0 N to 10000 N
185	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Tensile test for Aluminium	IS 10810(Pt.2): 1984	0 N to 10000 N



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186	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Test for armouring wire/formed wire:Resistivity tests	IS 10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
187	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Test for armouring wires/formed wires : Resistivity test	IS 10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
188	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Test for thickness of insulation & sheath	IS 10810 (Pt.6): 1984	0 mm to 150 mm
189	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Thermal Stability	IS 10810(Pt.60): 1988	Qualitative
190	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Torsion test on galvanized armour wire	IS 10810(Pt.38): 1984	0 turns to 99999 turns
191	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Water absorption test (gravimetric)	IS 10810(Pt.33): 1984	0 g to 180 g
192	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Winding test on galvanized steel strips	IS 10810 (Pt. 39): 1984	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
193	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to 3.3kV and including 11kV	Wrapping test for aluminium	IS 10810(Pt.3): 1984	Qualitative
194	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Flame retardance on single cable	IS 10810(Pt.61): 1984	Qualitative
195	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Flame retardance test on bunched cable	IS 10810(Pt.62): 1984	Qualitative
196	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	HV test (Water immersion) : AC test	IS 10810(Pt.45): 1984	Qualitative
197	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	HV test at room temp. (At 27±5°C)	IS 1554(Pt.1): 1988	Qualitative
198	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Insulation resistance constant	IS 10810(Pt.43): 1984	0 Mega ohm to 1000000000 Mega ohm
199	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Oxygen index test	IS 10810(Pt.58): 1984	0 % to 100 %



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200	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Smoke density test	IS 13360(Pt.6) Section-9: 2001	0 % to 100 %
201	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Temp. index test	IS 10810(Pt.64): 1984	Qualitative
202	ELECTRICAL- CABLES & WIRES	PVC Insulated HD Cables for working voltages up to and including	Test for armouring wires/formed wires :Resistivity test	IS 10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
203	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Ageing in Air Oven	IS 10810 (Pt.11): 1984	Qualitative
204	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Annealing Test	IS 10810 (Pt.1): 1984	0 % to 160 %
205	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Elongation at Break	IS 10810 (Pt.7): 1984	0 % to 900 %
206	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Flammability Test	IS 10810 (Pt. 53): 1984	0 mm to 600 mm
207	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Heat Shock Test	IS 10810 (Part 14): 1984	Qualitative
208	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	High Voltage Test at Room temperature (At 27±5°C)	IS 694: 2010	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
209	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Hot Deformation Test	IS 10810 (Part 15): 1984	0 % to 100 %
210	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Insulation Resistance Constant	IS 10810 (Part 43): 1984	10 mega ohm to 1000000000 mega ohm
211	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Loss Of Mass	IS 10810 (Pt.10): 1984	0 gm to 180 gm
212	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Resistance test on Conductor	10810 (Part5): 1984	0.000002 ohm to 1.1 ohm
213	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Shrinkage Test	IS 10810 (Pt.12): 1984	0 mm to 300 mm
214	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Tensile Strength for Insulation	IS 10810 (Pt. 7): 1984	0 N to 2000 N
215	ELECTRICAL- CABLES & WIRES	Shot Firing Cables (for use other than in shafts)	Thickness	IS 10810 (Pt. 6): 1984	0 mm to 150 mm
216	ELECTRICAL- CABLES & WIRES	Welding Cable	Ageing in Air Bomb- Elongation Variation in %	IS 6380: 1984	0 % to 100 %
217	ELECTRICAL- CABLES & WIRES	Welding Cable	Ageing in Air Bomb- Tensile Strength Variation in %	IS 6380: 1984	0 % to 100 %
218	ELECTRICAL- CABLES & WIRES	Welding Cable	Ageing in Air Bomb Test	IS 10810 (Pt.56): 1987	Qualitative



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219	ELECTRICAL- CABLES & WIRES	Welding Cable	Annealing Test for copper	IS 10810 (Pt.1): 1984	0 % to 160 %
220	ELECTRICAL- CABLES & WIRES	Welding Cable	Elongation on Insulation	IS 10810 (Pt.7): 1984	0 % to 900 %
221	ELECTRICAL- CABLES & WIRES	Welding Cable	Elongation Variation (in %)	IS 6380: 1984	0 % to 100 %
222	ELECTRICAL- CABLES & WIRES	Welding Cable	Flammability Test	IS 10810 (Pt. 53): 1984	0 mm to 600 mm
223	ELECTRICAL- CABLES & WIRES	Welding Cable	High Voltage Test at room temp. (At 27±5°C)	IS 10810 (pt.45): 1984	Qualitative
224	ELECTRICAL- CABLES & WIRES	Welding Cable	Oil resistance test	IS 10810 (Pt.31): 1984	Qualitative
225	ELECTRICAL- CABLES & WIRES	Welding Cable	Oil Resistance test - Elongation Variation (in %)	IS 10810 (Pt.31): 1984	0 % to 100 %
226	ELECTRICAL- CABLES & WIRES	Welding Cable	Oil resistance test - Tensile Strength Variation (in %)	IS 10810(Pt.31) : 1984	0 % to 100 %
227	ELECTRICAL- CABLES & WIRES	Welding Cable	Oxygen Bomb Test	IS 10810 (Pt.16): 1986	Qualitative
228	ELECTRICAL- CABLES & WIRES	Welding Cable	Oxygen Bomb Test- Tensile Strength Variation (in %)	IS 6380: 1984	0 % to 100 %
229	ELECTRICAL- CABLES & WIRES	Welding Cable	Resistance test on conductor	IS 10810(Pt.5): 1984	0.000002 ohm to 1.1 ohm
230	ELECTRICAL- CABLES & WIRES	Welding Cable	Static Flexibility test	IS 10810 (Pt.54): 1984	0 mm to 1000 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
231	ELECTRICAL- CABLES & WIRES	Welding Cable	Tensile Strength for Insulation	IS 10810 (Pt.7): 1984	0 N to 2000 N
232	ELECTRICAL- CABLES & WIRES	Welding Cable	Thickness of Insulation	IS 10810(Pt.6): 1984	0 mm to 150 mm
233	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Ageing in Air Oven	IS 10810 (Pt.11): 1984	Qualitative
234	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Annealing Test	IS 10810 (Pt.1): 1984	0 % to 100 %
235	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Elongation at break	IS 10810 (Pt.7): 1984	0 mm to 150 mm
236	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Heat shock test	IS 10810(Pt.14): 1984	Qualitative
237	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	High Voltage Test (Water immersion)	IS 10810 (Pt.45): 1984	Qualitative
238	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	High Voltage Test (Water immersion)	IS 10810 (Pt.45): 1984	Qualitative
239	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Hot deformation test	IS 10810(Pt.15): 1984	0 % to 100 %
240	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Insulation Resistance	IS 10810 (Pt.43): 1984	10 M ohm to 100000000 M ohm
241	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Resistance test on conductor	IS 10810 (Pt.5): 1984	0.000002 ohm to 1.1 ohm
242	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Shrinkage Test	IS 10810 (Pt.12): 1984	0 % to 100 %
243	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Tensile strength on insulation	IS 10810 (Pt.7): 1984	0 % to 900 %
244	ELECTRICAL- CABLES & WIRES	Winding wires for submersible motors	Test for overall dimensions and thickness of Insulation	IS 10810(Pt.6): 1984	0 mm to 150 mm



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245	ELECTRICAL-CABLES & WIRES	Winding wires for submersible motors	Water absorption Test (Gravimetric)	IS 10810 (Pt.33): 1984	0 g to 180 g
246	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Abnormal operation	IS 302-2-35: 1992	0 deg C to 150 deg C
247	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Clearance	IS 302-2-35: 1929	0 mm to 150 mm
248	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Components	IS 302-2-35: 1992	Qualitative
249	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Construction : Water pressure test	IS 302-2-35: 1992	Qualitative
250	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Cord grip & cord gaurd test	IS 302-2-35: 1992	Qualitative
251	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Creepage distance	IS 302-2-35: 1992	0 mm to 150 mm
252	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Electric insulation & leakage current at operating temp.	IS 302-2-35: 1992	0 μ A to 1000 μ A



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253	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Endurance test	IS 8978: 1993	Qualitative
254	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Finish	IS 302-2-35: 1992	Qualitative
255	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Input	IS 302-2-35: 1992	0 W to 5000 W
256	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Insulation resistance & electric strength after Humidity treatment	IS 302-2-35: 1992	0 μ A to 1000 μ A
257	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Internal wiring	IS 302-2-35: 1992	Qualitative
258	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Max. output temp.	IS 302-2-35: 1992	0 deg C to 110 deg C
259	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Mechanical strength	IS 302-2-35: 1992	Qualitative



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260	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Operation under overload condition	IS 302-2-35: 1992	Qualitative
261	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Overload protection	IS 302-2-35: 1992	Qualitative
262	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Pressure relief device test	IS 302-2-35: 1992	Qualitative
263	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Protection against electric shock	IS 302-2-35: 1992	Qualitative
264	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Provision for earthing	IS 302-2-35: 1992	0 mOhm to 5 Ohm
265	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Resistance to heat & fire	IS 302-2-35: 1992	Qualitative
266	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Resistance to rusting	IS 302-2-35: 1992	Qualitative



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267	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Screws & connections	IS 302-2-35: 1992	Qualitative
268	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Stability & mechanical hazards	IS 302-2-35: 1992	Qualitative
269	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Temperature rise test	IS 302-2-35: 1992	0 deg C to 150 deg C
270	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Terminals for external conductors	IS 302-2-35: 1992	Qualitative
271	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electric Instantaneous water heater	Vacuum test	IS 302-2-35: 1992	Qualitative
272	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Clearance	IS 302-2-30: 2007	0 mm to 150 mm
273	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Creepage distance & solid insulation	IS 302-2-30: 2007	0 mm to 150 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
274	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Dimensions	IS 369: 1992	0 mm to 1000 mm
275	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Endurance test	IS 369: 1992	Qualitative
276	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Endurance test	IS 4159: 2002	Qualitative
277	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Finish	IS 369: 1992	Qualitative
278	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Heating	IS 302-2-30: 2007	0 deg C to 150 deg C
279	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Leakage current & Electric Strength after humidity treatment	IS 302-2-30: 2007	0 micro-Amp to 1000 micro-Amp
280	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Leakage current & Electric Strength at Operating temp	IS 302-2-30: 2007	0 micro-Amp to 1000 micro-Amp



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
281	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Power Input	IS 302-2-30: 2007	0 W to 5000 W
282	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Protection against Electric Shock	IS 302-2-30: 2007	Qualitative
283	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Provision for earthing	IS 302-2-30: 2007	0 ohm to 5 ohm
284	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Resistance to heat & fire	IS 302-2-30: 2007	Qualitative
285	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Resistance to Rusting	IS 302-2-30: 2007	Qualitative
286	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Screws & connections	IS 302-2-30: 2007	Qualitative
287	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Stability test	IS 369: 1992	Qualitative



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288	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Supply connection & external flexible cord	IS 302-2-30: 2007	0 mm ² to 490 mm ²
289	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Terminals for external conductors	IS 302-2-30: 2007	Qualitative
290	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Abnormal Operation	IS 302-2-30: 2007	0 deg C to 300 deg C
291	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Components	IS 302-2-30: 2007	Qualitative
292	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Construction	IS 302-2-30: 2007	Qualitative
293	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Internal Wiring	IS 302-2-30 : 2007	Qualitative
294	ELECTRICAL-DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Mechanical Strength	IS 302-2-30 : 2007	Qualitative



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295	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Electrical Radiator	Stability & mechanical hazards	IS 302-2-30: 2007	Qualitative
296	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Abnormal Operation	IS 302-2-201 : 1992	0 degC to 300 degC
297	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Clearances, creepage distance & solid insulation	IS 302-2-201 : 1992	0 mm to 150 mm
298	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Components	IS 302-2-201: 1992	Qualitative
299	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Construction	IS 302-2-201 : 1992	Qualitative
300	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Endurance	IS 368 : 1992	Qualitative
301	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Finish	IS 368: 1992	Qualitative



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302	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Heating	IS 302-2-201: 1992	0 deg C to 150 deg C
303	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Internal Wiring	IS 302-2-201: 1992	Qualitative
304	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Leakage current & electric strength at Operating Temp.	IS 302-2-201: 1992	0 micro-Amp to 1000 micro-Amp
305	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Leakage current and electric strength after humidity treatment	IS 302-2-201 : 1992	0 mico-Amp to 1000 micro-Amp
306	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Mechanical Strength	IS 302-2-201: 1992	Qualitative
307	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Power Input	IS 302-2-201 : 1992	0 W to 5000 W
308	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Protection against Access to Live Parts	IS 302-2-201: 1992	Qualitative



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309	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Provision for earthing	IS 302-2-201 : 1992	0 mOhm to 5 Ohm
310	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Resist to Rusting	IS 302-2-201 : 1992	Qualitative
311	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Resistance to heat & fire	IS 302-2-201: 1992	Qualitative
312	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Screw & connection	IS 302-2-201 : 1992	Qualitative
313	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Stability & Mechanical Hazards	IS 302-2-201: 1992	Qualitative
314	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Immersion Water Heater	Terminals for external conductors	IS 302-2-201 : 1992	Qualitative
315	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	insulation resistance & electric strength after Humidity treatment	IS 4159: 2002	0 μ A to 1000 μ A



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316	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Abnormal operation	IS 4159: 2002	0 deg C to 300 deg C
317	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Clearances	IS 4159: 2002	0 mm to 150 mm
318	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Creepage distance	IS 4159: 2002	0 mm to 150 mm
319	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Electric insulation & leakage current at operating temp.	IS 4159: 2002	0 μ A to 1000 μ A
320	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Finish	IS 4159: 2002	Qualitative
321	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Input	IS 4159: 2002	0 W to 5000 W
322	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Mechanical strength	IS 4159: 2002	Qualitative



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323	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Operation under overload condition	IS 4159: 2002	Qualitative
324	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Protection against electric shock	IS 4159: 2002	Qualitative
325	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Provision for earthing	IS 4159: 2002	0 mOhm to 5 Ohm
326	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Resistance to heat and fire	IS 4159: 2002	Qualitative
327	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Resistance to rusting	IS 4159: 2002	Qualitative
328	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Mineral filled sheathed heating element	Temperature rise test	IS 4159: 2002	0 deg C to 150 deg C
329	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Abnormal operation	IS 302-2-21: 1993	0 deg C to 150 deg C



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330	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Capacity	IS 2082: 1993	0 L to 50 L
331	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Components :Operating temp.of cut out (closed type only)	IS 302-2-21: 1993	0 deg C to 110 deg C
332	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Construction	IS 302-2-21: 1993	Qualitative
333	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Creepage distance	IS 302-2-21: 1993	0 mm to 150 mm
334	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Cyclic temp. variation	IS 2082: 1993	0 deg C to 110 deg C
335	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Deviation of dial calibration	IS 2082: 1993	0 deg C to 110 deg C
336	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Electric Insulation & leakage current at operating temp..	IS 302-2-21: 1993	0 μ A to 1000 μ A



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
337	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Endurance test	IS 2082: 1993	Qualitative
338	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Finish	IS 302-2-21: 1993	Qualitative
339	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Finish	IS 2082: 1993	Qualitative
340	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Hot water output	IS 2082: 1993	0 deg C to 110 deg C
341	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Input	IS 302-2-21: 1993	0 W to 5000 W
342	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Insulation resistance & electric strength after Humidity treatment	IS 302-2-21: 1993	0 μ Ohm to 1000 μ Ohm
343	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Internal wiring	IS 302-32-21: 1993	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
344	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Mechanical Strength	IS 302-2-21: 1993	Qualitative
345	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Mixing factor	IS 2082: 1993	0 % to 100 %
346	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Operation under overload conditions	IS 302-2-21: 1993	0 deg C to 150 deg C
347	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Overload protection	IS 302-2-21: 1993	Qualitative
348	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Pressure test	IS 302-2-21: 1993	Qualitative
349	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Protection against Electric Shock	IS 302-2-21: 1993	Qualitative
350	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Provision for earthing	IS 302-2-21: 1993	0 μ Ohm to 5 Ohm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
351	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Reheating time	IS 2082: 1993	0 minutes to 360 minutes
352	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Resistance to heat & fire	IS 302-2-21: 1993	Qualitative
353	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Resistance to rusting	IS 302-2-21: 1993	Qualitative
354	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Screws & connections	IS 302-2-21: 1993	Qualitative
355	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Standing loss	IS 2082: 1993	0 kwh to 2.4 kwh
356	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Temp. rise test	IS 302-2-21: 1993	0 deg C to 150 deg C
357	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Terminals for external conductors	IS 302-2-21: 1993	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
358	ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES	Stationary Storage electric water heater	Vacuum Test	IS 302-2-21: 1993	Qualitative
359	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Compression test	IS 9537(Pt.2): 1983	0 % to 100 %
360	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Constructions	IS 9537(Pt.3): 1983	Qualitative
361	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Dimensions uniformity of thickness	IS 9537(Pt.3): 1983	0 mm to 25 mm
362	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Electrical Characteristics: Insulation resistance test	IS 9537(Pt.3): 1983	10 M ohm to 1000000000 M ohm
363	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	External influences	IS 9537(Pt.3): 1983	Qualitative
364	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	High Voltage test	IS 9537(Pt.3): 1983	Qualitative



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365	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Impact test	IS 9537(Pt.3): 1983	Qualitative
366	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Mechanical properties:Bend test	IS 9537(Pt.3): 1983	Qualitative
367	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Resistance to burning	IS 9537(Pt.3): 1983	0 sec to 30 minutes
368	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical installation- Rigid Plain conduits of insulating material	Resistance to heat	IS 9537(Pt.3): 1983	0 mm to 25 mm
369	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical wiring Rigid steel conduits	Compression test	IS 9537(Pt.3): 1983	0 % to 100 %
370	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical wiring Rigid steel conduits	Impact test	IS 9537(Pt.2): 1981	Qualitative
371	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical wiring Rigid steel conduits	Mechanical properties:Bend test	IS 9537(Pt.2): 1981	Qualitative
372	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical wiring Rigid steel conduits (IS Conduit for Electrical wiring Rigid steel conduits)	External influences	IS 9537(Pt.2): 1981	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
373	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical wiring Rigid steel conduits	Construction	IS 9537(Pt.2): 1981	Qualitative
374	ELECTRICAL- WIRING ACCESSORIES	Conduit for Electrical wiring Rigid steel conduits	Dimensions: Uniformity of thickness	IS 9537(Pt.2): 1981	0 mm to 25 mm
375	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Casting & finished products	Thread gauges (15,20,25,32,40,50,65, 80,100 mm)	IS554: 1999	Qualitative
376	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Cylinders	Burst test	IS 3196(Pt.3): 2012	Qualitative
377	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non & Alloy Bars/ Wires/Sheet, Strips and MS Tubes	Elongation	IS 1608-Part1: 2018	1 % to 70 %
378	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non & Alloy Bars/ Wires/Sheet, Strips and MS Tubes	Ultimate Tensile Strength Yield Strength	IS 1608-Part1: 2018	100 Mpa to 1200 Mpa
379	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous & Alloy Bars/Sheet and Strips	Hardness - Brinnell(2.5/187.5)	IS 1500-Part1: 2013	50 HBW to 350 HBW
380	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous & Alloy Bars/Sheet and Strips	Hardness - Brinnell(2.5/187.5)	IS 1500-Part 1: 2013	50 HBW to 350 HBW



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
381	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous & Alloy Bars/Sheet and Strips	Hardness - Brinnell(2.5/187.5)- Vicker (HV-10)	IS 1501-Part1: 2013	50 HV to 400 HV 10
382	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous & Alloy Bars/Sheet and Strips	Hardness-Vicker (HV-10)	IS 1501-Part1: 2013	50 HV to 400 HV
383	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 781: 1984	1 mm to 25 mm
384	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 781: 1984	1 mm to 300 mm
385	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 778: 1984	1 mm to 25 mm
386	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 778: 1984	1 mm to 300 mm
387	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2692: 1989	1 mm to 25 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
388	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2692: 1989	1 mm to 300 mm
389	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 8931: 1993	0 mm to 25 mm
390	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 8931: 1993	1 mm to 300 mm
391	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1879: 2010	1 mm to 300 mm
392	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1879: 2010	1 mm to 25 mm
393	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 9890: 1981	1 mm to 25 mm
394	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 9890: 1981	1 mm to 300 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
395	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1729: 2002	1 mm to 25 mm
396	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1729: 2002	1 mm to 600 mm
397	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 5531: 2014	1 mm to 25 mm
398	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 5531: 2014	1 mm to 600 mm
399	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1538: 1993	1 mm to 25 mm
400	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1538: 1993	1 mm to 300 mm
401	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1536: 2001	1 mm to 25 mm



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402	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1536: 2001	1 mm to 300 mm
403	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 7181: 1986	1 mm to 25 mm
404	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 7181: 1986	1 mm to 600 mm
405	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 651: 2007	1 mm to 600 mm
406	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2347: 2017	1 mm to 200 mm
407	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 3196 (Pt-1): 2013	1 mm to 300 mm
408	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 651: 2007	1 mm to 25 mm



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409	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2347: 2017	1 mm to 25 mm
410	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 3196 (Part1): 2013	1 mm to 25 mm
411	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 10325: 2000	1 mm to 25 mm
412	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 10325: 2000	1 mm to 600 mm
413	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 8329: 2000	1 mm to 25 mm
414	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 8329: 2000	1 mm to 300 mm
415	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 9523: 2000	1 mm to 25 mm



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416	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 9523: 2000	1 mm to 300 mm
417	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 13095: 1991	1 mm to 25 mm
418	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 13095: 1991	1 mm to 200 mm
419	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2062: 2011	1 mm to 25 mm
420	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2062: 2011	1 mm to 300 mm
421	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1161: 2014	1 mm to 25 mm
422	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1161: 2014	1 mm to 300 mm



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423	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1239 (Part 1): 2004	1 mm to 25 mm
424	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1239 (Part 1): 2004	1 mm to 300 mm
425	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1239 (Part 2): 2011	1 mm to 25 mm
426	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1239 (Part 2): 2011	1 mm to 300 mm
427	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 3601: 2006	1 mm to 25 mm
428	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 3601: 2006	1 mm to 300 mm
429	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 3589: 2001	1 mm to 25 mm



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430	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 3589: 2001	1 mm to 300 mm
431	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 4270: 2001	1 mm to 25 mm
432	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 4270: 2001	1 mm to 600 mm
433	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 9295: 1983	1 mm to 25 mm
434	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 9295: 1983	1 mm to 300 mm
435	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 12817: 2013	1 mm to 25 mm
436	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 12817: 2013	1 mm to 300 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
437	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1341: 1992	1 mm to 25 mm
438	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1341: 1992	1 mm to 200 mm
439	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1825: 1983	1 mm to 25 mm
440	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 1825: 1983	1 mm to 600 mm
441	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 204(Part 1): 1991	1 mm to 25 mm
442	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 204 (Part 1): 1991	1 mm to 200 mm
443	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 204 (Part 2): 1992	1 mm to 25 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
444	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 204 (Part 2): 1992	1 mm to 200 mm
445	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 278: 2009	1 mm to 25 mm
446	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 278: 2009	1 mm to 200 mm
447	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2721: 2003	1 mm to 25 mm
448	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 2721: 2003	1 mm to 200 mm
449	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 4923: 2017	1 mm to 25 mm
450	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 4923: 2017	1 mm to 300 mm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
451	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 432 (Part 1): 1982	1 mm to 25 mm
452	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 432 (Part 1): 1982	1 mm to 200 mm
453	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 432 (Part 2): 1982	1 mm to 25 mm
454	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous, Non ferrous, Alloy Items & Rigid Non Metal Products	Linear Measurements (Length, Width, Diameter, Thickness)	IS 432 (Part 2): 1982	1 mm to 200 mm
455	MECHANICAL- MECHANICAL PROPERTIES OF METALS	metal and Alloy Items	Mass	IS 781: 1984	1 gm to 600 gm
456	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	1729: 2002	0 gm to 200 Kg
457	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	5531: 2014	1 gm to 200 Kg



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
458	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 1538: 1993	1 gm to 200 Kg
459	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	1536: 2001	1 gm to 200 Kg
460	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 7181: 1986	1 gm to 200 Kg
461	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 432 (Part1): 1982	1 gm to 600 gm
462	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 3906: 1995	1 gm to 200 kg
463	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 1825: 1983	1 gm to 200 kg
464	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 1161: 2014	0 gm to 200 kg



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465	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 1239(Part 1): 2004	1 gm to 200 kg
466	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 1786: 2008	0 gm to 6000 gm
467	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 3989: 2009	1 gm to 200 kg
468	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 2062: 2011	1 gm to 200 kg
469	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal and Alloy Items	Mass	IS 4923: 2017	1 gm to 200 kg
470	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MS Tubes & Pipes	Bend Test (Mandrel dia- 10,14,18,20,24,28,29,3 6,38,42,56,64,75,80,96 ,112,144,160 mm)	IS 2329: 2005	Qualitative
471	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MS Tubes & Pipes	Flattening Test	IS 2328: 2005	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
472	MECHANICAL- MECHANICAL PROPERTIES OF METALS	MS Wire, Rods & barMS Sheets/StripsCopper/Br ass SheetAluminum Sheet	Bend Test (Mandrel dia- 10,14,18,20,24,28,29,3 6,38,42,56,64,75,80,96 ,112,144,160 mm)	IS 1599: 2012	Qualitative
473	MECHANICAL- PERFORMANCE/DUR ABILITY/ SAFETY TEST	Domestic Pressure Cookers	Bursting Pressure Test	IS 2347: 2017	Qualitative
474	MECHANICAL- PERFORMANCE/DUR ABILITY/ SAFETY TEST	Domestic Pressure Cookers	Operating test for pressure regulating device	IS 2347: 2017	Qualitative
475	MECHANICAL- PERFORMANCE/DUR ABILITY/ SAFETY TEST	Domestic Pressure Cookers	Test for safety pressure relief device	IS 2347: 2017	Qualitative
476	MECHANICAL- PERFORMANCE/DUR ABILITY/ SAFETY TEST	Door Closer	Endurance Test	IS 3564: 1995	Qualitative
477	MECHANICAL- PERFORMANCE/DUR ABILITY/ SAFETY TEST	Door Closer	Essential Requirements	IS 3564: 1995	Qualitative
478	MECHANICAL- PERFORMANCE/DUR ABILITY/ SAFETY TEST	Door Closer	Performance Requirements	IS 3564: 1995	Qualitative



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479	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 1729: 2002	Qualitative
480	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 5531: 2014	Qualitative
481	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 1538: 1993	Qualitative
482	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 1536: 2001	Qualitative
483	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 7181: 1986	Qualitative
484	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 8329: 2000	Qualitative
485	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Coating Test (Bitumunus)	IS 9523: 2000	Qualitative



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486	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic test	IS 781: 1984	Qualitative
487	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 778: 1984	Qualitative
488	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 2692: 1989	Qualitative
489	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 8931: 1993	Qualitative
490	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 1879: 2010	Qualitative
491	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 9890: 1981	Qualitative
492	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 1729: 2002	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
493	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 5531: 2014	Qualitative
494	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 1538: 1993	Qualitative
495	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 1536: 2001	Qualitative
496	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 7181: 1986	Qualitative
497	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 651: 2007	Qualitative
498	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 779: 1994	Qualitative
499	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Hydrostatic Test	IS 3196 (Pt.1): 2013	Qualitative



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500	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Pneumatic Test	IS 2347: 2017	Qualitative
501	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Pneumatic Test	IS 10325: 2000	Qualitative
502	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Pneumatic Test	IS 3196 (Pt.1): 2013	Qualitative
503	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Pneumatic Test	IS 3906: 1995	Qualitative
504	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Pneumatic Test	IS 3652: 1995	Qualitative
505	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Ferrous & Non Ferrous Alloy Castings and Finished Products	Pneumatic Test	IS 1970 (Pt.1): 1995	Qualitative
506	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Discharge Capacity	IS 774: 2004	Qualitative



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507	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Discharge Capacity	IS 7231: 1994	Qualitative
508	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Discharge Rate	IS 7231: 1994	Qualitative
509	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Discharge rate	IS 774: 2004	Qualitative
510	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Flushing arrangement	IS 7231: 1994	Qualitative
511	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Freedom from self siphoning	IS 7231: 1994	Qualitative
512	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Reduced water level	IS 774: 2004	Qualitative
513	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Reduced water level	IS 7231: 1994	Qualitative



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514	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Test : Working water level	IS 7231: 1994	Qualitative
515	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Tests : Flushing Arrangement	IS 774: 2004	Qualitative
516	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Tests : Freedom from self siphoning	IS 774: 2004	Qualitative
517	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Flushing Cisterns for water closets and urinals	Performance Tests: working water level	IS 774: 2004	Qualitative
518	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot Sprayer	Discharge rate	IS 10134: 1994	0 ml/min to 2000 ml/min
519	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Endurance test	IS 3652: 1995	Qualitative
520	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Hose & Hose connection test	IS 3652: 1995	Qualitative



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521	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Operating level ,handle & piston rod	IS 3652: 1995	Qualitative
522	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Pressure Chamber	IS 3652: 1995	Qualitative
523	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Pump cylinder	IS 3652: 1995	Qualitative
524	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Strap drop test	IS 3652: 1995	Qualitative
525	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Test for cut off device	IS 3652: 1995	Qualitative
526	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Test for Lance	IS 3652: 1995	Qualitative
527	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Test for nozzle discharge	IS 3652: 1995	0 ml/minute to 1200 ml/minute



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
528	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Test for piston & gascut	IS 3652: 1995	Qualitative
529	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Foot sprayer	Volumetric efficiency	IS 10134: 1994	0 % to 100 %
530	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Discharge rate volumetric	IS 10134: 1994	0 ml/min to 2000 ml/min
531	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Endurance test	IS 3652: 1995	Qualitative
532	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Hose & Hose connection test	IS 3652: 1995	Qualitative
533	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Operating level ,handle & piston rod	IS 3652: 1995	Qualitative
534	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Pressure Chamber	IS 3652: 1995	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
535	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Pump Cylinder	IS 3652: 1995	Qualitative
536	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Strap drop test	IS 3652: 1995	Qualitative
537	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Test for cut off device	IS 3652: 1995	Qualitative
538	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Test for Lance	IS 3652: 1995	Qualitative
539	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Test for nozzle discharge	IS 3652: 1995	0 ml/min to 5000 ml/min
540	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Test for piston & gasket	IS 3652: 1995	Qualitative
541	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated compression type sprayer	Volumetric efficiency	IS 10134: 1994	0 % to 100 %



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
542	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Discharge Rate	IS 10134: 1994	0 ml/min to 2000 ml/min
543	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Endurance Test	IS 3652: 1995	Qualitative
544	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Hose and hose connection test	IS 3652: 1995	Qualitative
545	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Operating level handle and piston rod	IS 3652: 1995	Qualitative
546	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Pressure Chamber	IS 3652: 1995	Qualitative
547	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Pump Cylinder	IS 3652: 1995	Qualitative
548	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Strap drop test	IS 3652: 1995	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
549	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Test for cut off device	IS 3652: 1995	Qualitative
550	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Test for lance	IS 3652: 1995	Qualitative
551	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Test for nozzle discharge	IS 3652: 1995	0 ml/min to 5000 ml/min
552	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Test for piston and gasket	IS 3652: 1995	Qualitative
553	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Knapsack sprayer piston type	Volumetric Efficiency	IS 10134: 1994	0 % to 100 %
554	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Discharge Rate	IS 10134: 1994	0 ml/min to 2000 ml/min
555	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Endurance test	IS 3652: 1995	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
556	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Hose & Hose connection test	IS 3652: 1995	Qualitative
557	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Operating level, handle & piston rod	IS 3652: 1995	Qualitative
558	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Pressure chamber	IS 3652: 1995	Qualitative
559	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Pump Cylinder	IS 3652: 1995	Qualitative
560	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Strap drop test	IS 3652: 1995	Qualitative
561	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Test for cut off device	IS 3652: 1995	Qualitative
562	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Test for lance	IS 3652: 1995	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
563	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Test for nozzle discharge	IS 3652: 1995	0 ml to 5000 ml/min
564	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Test for piston & gasket	IS 3652: 1995	Qualitative
565	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Hand Operated Stirrup type sprayer	Volumetric efficiency	IS 10134: 1994	0 % to 100 %
566	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	High strength deformed steel bars and wires for concrete reinforcement	Rib Area	IS 1786: 2008	0 mm to 40 mm
567	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Horizontal Centrifugal Pumps	Efficiency	IS 11346: 2002	0 % to 100 %
568	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Horizontal Centrifugal Pumps	Pump Power Input	IS 6595 (Pt.1): 2002	Qualitative
569	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Horizontal Centrifugal Pumps	Verification of guarantee	IS 6595 (Pt.1): 2002	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
570	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Household sewing machine	Accuracy	IS 7491: 1989	0 mm to 1 mm
571	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Household sewing machine	Durability Requirements	IS 7492: 1989	Qualitative
572	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Household sewing machine	Sewing Requirements	IS 7493: 1989	Qualitative
573	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Combustion	IS 5116: 1996	Qualitative
574	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Fire hazards and limiting temperature	IS 4246: 2002	Qualitative
575	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Flash Back	IS 4246: 2002	Qualitative
576	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Formation of Soot	IS 4246: 2002	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
577	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Fragmentation test of toughened glass top	IS 4246: 2002	Qualitative
578	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Gas Consumption	IS 5116: 1996	0 l/h to 150 l/h
579	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Gas Soundness	IS 5116: 1996	Qualitative
580	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Mercurous Nitrate Test	IS 2350: 1988	Qualitative
581	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Strength of toughened glass top against thermal resistance	IS 4246: 2002	Qualitative
582	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	LPG Stove	Thermal Efficiency	IS 4246: 2002	0 % to 100 %
583	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	MCI Pipe Fittings	Compression Test	IS 1879: 2010	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
584	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Monoset pump	Efficiency	IS 11346: 2002	0 % to 100 %
585	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Monoset pump	Overloading of prime mover	IS 9079: 2002	Qualitative
586	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Monoset pump	Verification of performance	IS 9079: 2002	Qualitative
587	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Discharge rate	IS 10134: 1994	0 ml/min to 2000 ml/min
588	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Endurance test	IS 3652: 1995	Qualitative
589	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Hose & Hose connection	IS 3652: 1995	Qualitative
590	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Operating level, Handle & piston rod	IS 3652: 1995	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
591	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Pressure Chamber	IS 3652: 1995	Qualitative
592	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Pump Cylinder	IS 3652: 1995	Qualitative
593	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Strap drop test	IS 3652: 1995	Qualitative
594	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Test for cut off device	IS 3652: 1995	Qualitative
595	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Test for Lance	IS 3652: 1995	Qualitative
596	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Test for nozzle discharge	IS 3652: 1995	0 ml/min to 5000 ml/min
597	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Test for piston & gasket	IS 3652: 1995	Qualitative



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
598	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Rocker sprayer	Volumetric efficiency	10134: 1994	0 % to 100 %
599	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Salt glazed stoneware pipe	Absorption Test	IS 651: 2007	10 gm to 6000 gm
600	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Salt glazed stoneware pipe	Crushing Strength	IS 651: 2007	1 KN to 20 KN
601	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Meters domestic type Class A & B	Accuracy Test	IS 779: 1994	0 % to 100 %
602	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Meters domestic type Class A & B	Loss of pressure	IS 779: 1994	0 kgf/cm ² to 6 kgf/cm ²
603	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Meters domestic type Class A & B	Temperature Suitability	IS 779: 1994	Qualitative