National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SHABRI ENTERPRISES, 143-D LIGHT INDUSTRIAL AREA, BHILAI, DURG, CHHATTISGARH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Cast iron	Carbon (C)	ASTM E 1999
2	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon (C)	IS 15338
3	CHEMICAL- METALS & ALLOYS	Cast iron	Chromium (Cr)	ASTM E 1999
4	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium (Cr)	IS 15338
5	CHEMICAL- METALS & ALLOYS	Cast iron	Manganese (Mn)	ASTM E 1999
6	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese (Mn)	IS 15338
7	CHEMICAL- METALS & ALLOYS	Cast iron	Molybdenum (Mo)	ASTM E 1999
8	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum (Mo)	IS 15338
9	CHEMICAL- METALS & ALLOYS	Cast iron	Nickel (Ni)	ASTM E 1999
10	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel (Ni)	IS 15338
11	CHEMICAL- METALS & ALLOYS	Cast iron	Phosphorus (P)	ASTM E 1999
12	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus (P)	IS 15338
13	CHEMICAL- METALS & ALLOYS	Cast iron	Silicon (Si)	ASTM E 1999
14	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon (Si)	IS 15338
15	CHEMICAL- METALS & ALLOYS	Cast iron	Sulfur (S)	ASTM E 1999
16	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulfur (S)	IS 15338
17	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Antimony (Sb)	BS EN 15079
18	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Arsenic (As)	BS EN 15079

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19	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Iron (Fe)	BS EN 15079
20	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Lead (Pb)	BS EN 15079
21	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Nickel (Ni)	BS EN 15079
22	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Phosphorus (P)	BS EN 15079
23	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Sulfur (S)	BS EN 15079
24	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Tin (Sn)	BS EN 15079
25	CHEMICAL- METALS & ALLOYS	Copper & Copper Base alloys	Zinc (Zn)	BS EN 15079
26	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Aluminium (Al)	ASTM E 415
27	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Aluminium (Al)	IS 8811
28	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Boron (B)	ASTM E415
29	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Boron (B)	IS 8811
30	CHEMICAL- METALS & ALLOYS	plain and low alloy steels	Carbon (C)	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Carbon (C)	IS 8811
32	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Chromium (Cr)	ASTM E 415
33	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Chromium (Cr)	IS 8811
34	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Cobalt (Co)	ASTM E 415
35	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Cobalt (Co)	IS 8811
36	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Copper (Cu)	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Copper (Cu)	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Manganese (Mn)	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Plain and low alloy steels	Manganese (Mn)	IS 8811
40	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Molybdenum (Mo)	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Molybdenum (Mo)	IS 8811
42	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Nickel (Ni)	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Nickel (Ni)	IS 8811
44	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Niobium (Nb)	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	plain and low alloy steels	Niobium (Nb)	IS 8811
46	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Nitrogen (N)	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Nitrogen (N)	IS 8811
48	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Phosphorus (P)	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Phosphorus (P)	IS 8811
50	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Silicon (Si)	ASTM E 415
51	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Silicon (Si)	IS 8811
52	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Sulfur (S)	ASTM E 415
53	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Sulfur (S)	IS 8811
54	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Tin (Sn)	ASTM E 415
55	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Tin (Sn)	IS 8811
56	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Titanium (Ti)	ASTM E 415

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57	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Titanium (Ti)	IS 8811
58	CHEMICAL- METALS & ALLOYS	Plain and Low alloy steels	Vanadium (V)	ASTM E 415
59	CHEMICAL- METALS & ALLOYS	Plain and Low alloy Steels	Vanadium (V)	IS 8811
60	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon (C)	IS 9879
61	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon (C)	ASTM E 1086
62	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (Cr)	IS 9879
63	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium (Cr)	ASTM E 1086
64	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper (Cu)	ASTM E 1086
65	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper (Cu)	IS 9879
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese (Mn)	IS 9879
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese(Mn)	ASTM E 1086
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum (Mo)	ASTM E 1086
69	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum (Mo)	IS 9879
70	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel (Ni)	ASTM E 1086
71	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel (Ni)	IS 9879
72	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus (P)	ASTM E 1086
73	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus (P)	IS 9879
74	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (Si)	ASTM E 1086
75	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon (Si)	IS 9879

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76	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur (S)	ASTM E 1086
77	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur (S)	IS 9879
78	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy Based Micaceous Iron Oxide, Bituminous, Zinc Chromate Primer, Red Oxide Zinc Chromate Primer, Coal Tar Epoxy, Synthetic Zinc Chromate Primer	Flexibility and adhesion : Bend test	IS 101 Part 5 Section 2
79	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy based micaceous iron oxide, Red Oxide Zinc Chromate Primer, Bituminous Paint, Zinc Priming paint epoxy based, Synthetic Zinc Chromate Primer, Coal Tar Epoxy	Resistance To humidity under Condition of Condensation	IS 101 Part 6 Section 1
80	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chromate Primer, Etch Primer, Red Oxide Zinc Chromate Primer, Road Marking Paint, Bituminous Paint, Zinc Chrome Priming Epoxy Based, Coal Tar Epoxy, Zinc Chromate Priming Synthetic	Adhesion Test (adhesion tester Type V test Method E)	ASTM D 4541
81	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Etch Primer, Red Oxide Zinc Chrome Priming, Road Marking Paint, Bituminous Paint, Zinc Chrome Priming Epoxy Based, Coal Tar Epoxy, Synthetic Zinc Chromate Primer	Consistency	IS 101 part 1 section 5
82	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Etch Primer, Red Oxide Zinc Chrome Priming, Road Marking Paint, Bituminous Paint, Zinc Chrome Priming Epoxy Based, Coal Tar Epoxy, Synthetic Zinc Chromate Primer	Pencil Hardness test	IS 101 Pt-5 Sec-1
83	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Etch Primer, Red Oxide Zinc Chrome Priming, Road Marking Paint, Bituminous Paint, Zinc Chrome Priming Epoxy Based, Coal Tar Epoxy, Synthetic Zinc Chromate Primer	Pull of test for Adhesion - Method B	ISO 4624
84	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium Paint, Epoxy based Micaceous Iron Oxide, Zinc Chrome Primer, Etch/Wash Primer, Red Oxide Zinc Chrome Priming, Road Marking Paint, Bituminous Paint, Zinc Priming Paint Epoxy based, Coal Tar, Synthetic Zinc Chromate Primer	Finish	IS 101 Part 3 Section 4

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
85	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Synthetic Zinc Chromate Primer	Cross Hatch Adhesion test	ASTM D 3359
86	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Synthetic Zinc Chromate Primer	Mass , kg/10 liter	IS 101 part 1 Section 7
87	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Synthetic Zinc Chromate Primer	Pencil hardness test	IS 101 Part -5 Section-1
88	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium Paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Zinc Priming Paint Epoxy Based, Coat Tar Epoxy Black & Brown, Synthetic Zinc Chromate Primer	Flash Point	IS 101 Part 1 Section 6
89	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Priming, Red Oxide Zinc Chrome Priming, Road Marking Paint, Bituminous Paint, Zinc Priming Paint Epoxy Based, Coal Tar Epoxy, Synthetic Zinc Chromate Primer	Drying Time : Hard Dry	IS 101 Part 3 Section 1
90	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium paint, Epoxy Based Micaceous Iron Oxide, Zinc Chrome Priming, Red Oxide Zinc Chrome Priming, Road Marking Paint, Bituminous Paint, Zinc Priming Paint Epoxy Based, Coal Tar Epoxy, Synthetic Zinc Chromate Primer	Drying Time -Hard Dry 70 ºC	IS 101 Part 3 Section 1
91	CHEMICAL- PAINTS & SURFACE COATING	Aluminium Paint, Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Synthetic Zinc Chromate Primer	Wet Opacity	IS 101 Part 4 Section 1
92	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint	Flexibility and Adhesion after 48 hrs. air drying	IS 101 Part 5 Section 2
93	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint	Protection against corrosion under condition of condensation	IS 101 part 6 Section 1
94	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Red Oxide Zinc Phosphate Primer, Zinc Priming Paint Epoxy Based, Coal Tar Epoxy	Volume of solids	IS 101 Part 8 Section 6 6

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
95	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Zinc chrome primer, Synthetic Zinc Chromate Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Coal Tar Epoxy, Zinc Priming Paint Epoxy Based	Drying Time : Curing Temperature	IS 101 Part-3
96	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Zinc chrome primer, Synthetic Zinc Chromate Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Coal Tar Epoxy, Zinc Priming Paint Epoxy Based	Drying Time : Surface Dry	IS 101 Part 3 Section 1
97	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Zinc Priming Paint Epoxy based, Coal Tar Epoxy	Dry Film Thickness	IS 101 Part 3 Section 2
98	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Epoxy Zinc Phosphate Primer, Zinc Chrome Primer, Red Oxide Zinc Chrome Primer, Road Marking Paint, Bituminous Paint, Synthetic Zinc Chromate Primer	Colour	IS 101 Part 4 Section 2
99	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Epoxy Zinc Phosphate Primer, Zinc Chrome Primer, Red Oxide Zinc Chrome Primer, Zinc Priming Paint Epoxy Based, Synthetic Zinc Chromate Primer	Resistance to salt Spray	IS 101 Part 6 Section 1
100	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Micaceous Iron Oxide Paint, Zinc Chrome Primer, Red Oxide Zinc Chromate Primer, Coal Tar Epoxy, Synthetic Zinc Chromate Primer, Epoxy Zinc Phosphate Primer, Polyurethane Based aluminium Paint, Bituminous Paint	Flexibility & Adhesion-Scratch Hardness	IS 101 Part 5 section 2
101	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Zinc Phosphate Primer	Flexibility and Adhesion after 48 hrs air Drying	IS 101 part 5 section 2
102	CHEMICAL- PAINTS & SURFACE COATING	EPOXY ZINC PHOSPHATE PRIMER, Etch/Wash Primer, Polyurethane based aluminium paint, Red Oxide Zinc Chrome Primer, Synthetic Zinc Chromate Primer	VISCOSITY	IS 101 PART 1 SECTION 5
103	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Zinc Phosphate Primer, Etch/Wash Primer, Red Oxide Zinc Chrome Primer, Synthetic Zinc Chromate Primer	Fineness of grind	IS 101 Part 3 Section 5
104	CHEMICAL- PAINTS & SURFACE COATING	Etch Primer	Consistency : Mixed Material	IS 5666
105	CHEMICAL- PAINTS & SURFACE COATING	Etch Primer	Consistency : Single Material	IS 5666
106	CHEMICAL- PAINTS & SURFACE COATING	Etch Primer	Drying time : Air Dry	IS 5666
107	CHEMICAL- PAINTS & SURFACE COATING	Etch primer	Drying time : Forced Dry	IS 5666
108	CHEMICAL- PAINTS & SURFACE COATING	Etch Primer	Fineness Of Dispersion	IS 101 Part 3 Section 5

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109	CHEMICAL- PAINTS & SURFACE COATING	Etch Primer	Finish	IS 101 Part 3 Section 4
110	CHEMICAL- PAINTS & SURFACE COATING	Etch Primer	Fitness to Take a coat of Primer Cellulose Finish	IS 5666
111	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy , Two Pack , Black and Brown (Base and Hardner)	Preliminary Examination	IS 101 Part 1 Section 2
112	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy , Two Pack , Black and Brown (Base and Hardner), Red Oxide Zinc Chrome Primer, Zinc Chrome Priming Paint Synthetic	Resistance to sea water	IS 14948
113	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy , Two Pack , Black and Brown (Base and Hardner)	Impact test	IS 101 Part 5 Section 3
114	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy , Two Pack , Black and Brown (Base and Hardner), Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy based micaceous iron oxide, Zinc Priming Paint Epoxy based	Pot Life	IS 14948
115	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy , Two Pack , Black and White (Base and Hardner)	Gel time	IS 14948
116	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy, Two Pack, Black and Brown (Base and Hardner)	Impact Test	IS 101 Part 5 Section 3
117	CHEMICAL- PAINTS & SURFACE COATING	Paint Coal Tar Epoxy, Two Pack, Black and Brown (Base and Hardner)	Resistance to corrosion	IS 14948
118	CHEMICAL- PAINTS & SURFACE COATING	Paints and Enamels, Red Oxide zinc chrome primer, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy based micaceous iron oxide	Non-Volatile Matter	IS 101 part 8 section 2
119	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paint. Brushing , Zinc Chrome , Priming	Pigment content	IS 101 Part 8 Section 2
120	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint , Air Drying , Red Oxide /Zinc Chrome /Priming	Pigment Content	IS 101 Part 8 section 2
121	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint , Air Drying , Red Oxide /Zinc Chrome /Priming, Synthetic Zinc Chromate Primer	Gloss 60 degree	IS 101 part 4 section 4
122	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint for Road Marking	Recoating Property	IS 164
123	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint for Road Marking	Residue on Sieve	IS 101 Part 8 Section1
124	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint for Road Marking	Resistance to bleeding	IS 101 Part 7 Section 4
125	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint for Road Marking	Resistance to wear for grade 1	IS 164

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126	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint for Road Marking	Resistance to wear for Grade 2	IS 164
127	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint for Road Marking	Water Content	IS 101 Part 2 section 1
128	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, brushing , Bituminous Black, Acid, Alkali and Heat Resisting	Protection against Corrosion under Condition of condensation	IS 101 Part 6 Section 1
129	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, brushing , Bituminous Black, Acid, Alkali and Heat Resisting	Resistance Alkali	IS 158
130	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, brushing , Bituminous Black, Acid, Alkali and Heat Resisting	Resistance to acid	IS 158
131	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, brushing , Bituminous Black, Acid, Alkali and Heat Resisting	Resistance to Heat	IS 158
132	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, brushing , Bituminous Black, Acid, Alkali and Heat Resisting	Stripping Test	IS 158
133	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, brushing , Bituminous Black, Acid, Alkali and Heat Resisting	Water Content	IS 101 Part 2 Section 1
134	CHEMICAL- PAINTS & SURFACE COATING	Ready Mixed Paint, Universal, Zinc Chrome, Priming (Synthetic) for Light Alloys	Accelerated Stability Test	IS 1874
135	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Zinc Chromate	Accelerated Storage Stability test	IS 2074 Pt-1
136	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Zinc Chromate	Chromic Anhydride	IS 2074 Pt-1
137	CHEMICAL- PAINTS & SURFACE COATING	Red Oxide Zinc Chromate	Zinc Oxide	IS 2074 Pt-1
138	CHEMICAL- PAINTS & SURFACE COATING	Specification for Polyurethane based Aluminium Paint	Flexibility and Adhesion after 48 Hrs air Drying	IS 101 Part 5 section 2
139	CHEMICAL- PAINTS & SURFACE COATING	Specification for Polyurethane based Aluminium Paint	Pigment content	IS 101 Part 8 Section 2
140	CHEMICAL- PAINTS & SURFACE COATING	Specification for Polyurethane based Aluminium Paint	Resistance to oil	IS 101 part 6 section 1
141	CHEMICAL- PAINTS & SURFACE COATING	Zinc Chromate Primer	Zinc Oxide	IS 104
142	CHEMICAL- PAINTS & SURFACE COATING	Zinc Priming , Epoxy Based , Two Pack	Drying time	IS 101 Part 3 Section 1

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143	CHEMICAL- PAINTS & SURFACE COATING	Zinc Priming , Epoxy Based , Two Pack, Red Oxide Zinc Chrome, Epoxy Zinc Phosphate Primer, Polyurethane based aluminium paint, Epoxy based micaceous iron oxide, Road Marking Paint, Bituminous Paint, Zinc Priming Paint Epoxy based	Volatile Matter	IS 101 Part 2 Section 2
144	CHEMICAL- PAINTS & SURFACE COATING	Zinc Priming Paint , Epoxy Based , Two Pack	Pigment Content	IS 101 Part 8 Section 2
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Austenitic stainless steel	IGC Practice -A	ASTM A 262
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Austenitic stainless steel	IGC Practice B	ASTM A 262
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Austenitic stainless steel	IGC practice C	ASTM A 262
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Austenitic stainless steel	IGC practice E	ASTM A 262
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	DTI washer	compression load	BS EN 14399 part 9
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous	face bend test , root bend test , side bend test	AWS D1.1
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	ferrous	face bend test , root bend test , side bend test	ASME Section IX
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	All weld tensile test	IS 3600 Pt-4
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal ,Alloys & Products	Yield Strength /0.2 % proof stress	ASTM E8
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal ,alloys and products	Charpy Impact test V notch	ASTM A 370
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal ,alloys and products	Percentage Elongation	ASTM E8

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156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	0.2 % proof stress	IS 1608 part1
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	0.2 % proof stress	IS 1786
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	0.2% proof stress	ASTM A 370
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	0.2% proof stress	BS EN ISO 6892 (part I)
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal and alloys	Brinell hardness 2.5/187.5	ASTM E 10
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Percentage Elongation	ASTM A 370
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Percentage Elongation	BS EN ISO 6892 (part I)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	percentage elongation	IS 1608 part1
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Percentage Elongation	IS 1786
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Percentage of reduction area	ASTM A 370
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Percentage of Reduction area	BS EN ISO 6892 (Part I)
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Percentage reduction of area	IS 1608 part1
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	tensile strength	ASTM A 370
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Tensile strength	BS EN ISO 6892 (part I)

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170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	tensile test	IS 1608 part1
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	tensile test	IS 1786
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Yield Strength	ASTM A 370
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	yield strength	BS EN ISO 6892 (part I)
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	yield strength	IS 1608 part1
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metal and alloys	Yield stress	IS 1786
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Pipe and tube	Bend Test	IS 2329
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys Bolts, Screws and Studs	Proof Load	IS 1367 Pt-3
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys Bolts, Screws and Studs	Proof Load	ISO 898 Pt-1
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys Bolts, Screws and Studs	Wedge load	IS 1367 Pt-3
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys Bolts, Screws and Studs	Wedge load	ISO 898 Pt-1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys Fasteners	Proof Load	IS 1367 Pt-6
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals & Alloys Fasteners	Proof Load	ISO 898 Part-2
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	bend test	ASTM A 370

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184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Bend test	BS EN ISO 7438
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Bend test	IS 1599
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Bend test	IS 1786
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Charpy Impact test V notch	IS 1757 (part I)
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Rockwell hardness Test HRC	ISO 6508 (Part I)
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Rockwell hardness test HRBW	ASTM A 370
190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Rockwell hardness Test HRBW	IS 1586 (part I)
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Rockwell hardness test HRBW	ISO 6508 (Part I)
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Rockwell hardness test HRC	ASTM A 370
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	metals and alloys	Rockwell hardness Test HRC	IS 1586 (Part I)
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals, Alloys & Products	Tensile strength	ASTM E8
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,Alloys & Products	Brinell Hardness 2.5/187.5	BS EN IS0 6506-Pt-1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,Alloys & Products	Percentage reduction of area	ASTM E8
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,Alloys & Products	Vickers Hardness HV 10	BS EN ISO 9015 Pt-1

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198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,Alloys & Products	Vickers Hardness HV10	BS EN ISO 6507 Pt-1
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,Alloys & Products	Vickers Hardness HV10	IS 1501 Pt-1
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,Alloys and Products	Brinell Hardness 2.5/187.5	IS 1500 PT 1
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metals,alloys and Products	Charpy Impact Test 'V' Notch	ISO 148 Part-1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tube	Flattening Test	ASTM A 370
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates	Through thickness Tensile Test (% RA)	ASTM A 770 M
204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel Plates	Through Thickness Tension Test	BS EN 10164
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT steel bar	Rebend test	IS 1786
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	TMT Steel Bar	Weight / Meter	IS 1786
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Tube and Pipes	Flattening Test	IS 2328
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal (ferrous)	Face Bend Test,Root bend and side bend test	BS EN ISO 5173
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal (ferrous)	Tensile strength	BS EN ISO 15614
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Weld in Metal (ferrous)	Tensile strength	BS EN ISO 4136
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welded sample	all weld elongation	ASME SECTION IX (QW-150)

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212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welded sample	all weld elongation	AWS D 1.1 (4.9.3.4,4.9.3.6)
213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	welded sample	all weld tensile strength	AWS D 1.1 (4.9.3.4,4.9.3.6)
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded sample	Face Bend , Root bend	IS 3600 Pt 7
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Fillet weld Fracture test	AWS D 1.1
216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Fillet weld Fracture test	IS 3600 Pt-8
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded sample	Fracture Test	ASME SECTION IX
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded sample	Fracture Test	IS 7307 Pt-1
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Fracture test	IS 7310 Pt-1
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Macro Etching	ISO 17639
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Macro etching test	IS 3600 Pt-9
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Macro Examination	AWS D1.1
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded sample	reduce sample tensile strength	ASME SECTION IX (QW 150)
224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded sample	Side bend	IS 3600 Pt-6
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Sample	Weld fracture test	ISO 9017

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226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded specimen	All weld tensile test	IS 7307 Pt-1
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welded Test Piece	Transverse Tensile test	IS 3600 Pt-3
228	MECHANICAL-METALLOGRAPHY TEST	Metal ,Alloys & Products	Measuring Decarburized Depth of Steel at 100X	IS 6396
229	MECHANICAL-METALLOGRAPHY TEST	Metal ,alloys and products	Inclusion Rating Method A	IS 4163
230	MECHANICAL-METALLOGRAPHY TEST	Metal ,alloys and products	Inclusion Rating Method A & D	ASTM E 45
231	MECHANICAL-METALLOGRAPHY TEST	Metal ,alloys and products	Microstructure Examination	ASM metal handbook volume 9
232	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys Bolts, Screws and Studs	Depth of Decarburization	ISO 898 Pt-1
233	MECHANICAL-METALLOGRAPHY TEST	Metals & Alloys Bolts, Screws and Studs	Depth of Decarburization at 100X	IS 1367 Pt3
234	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Average grain size measurement	ASTM E 112
235	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Average grain size measurement	IS 4748
236	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Macro Examination	ASME Section IX
237	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Macro Examination	ASTM E 340
238	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Macro Examination	ASTM E381
239	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Macro Examination	IS 11371
240	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Microstructure of cast iron	ASTM A 247
241	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Microstructure of cast iron	IS 7754
242	MECHANICAL-METALLOGRAPHY TEST	Metals ,Alloys and Products	Nodularity in SG iron	IS 1865
243	MECHANICAL-METALLOGRAPHY TEST	metals and alloys	Microstructure Examination	ASTM E3