



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SGS INDIA PRIVATE LIMITED, TESTING LABORATORY - TRANSPORTATION, GAT NO.624/2, VILLAGE KURULI, TAL. KHED, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5825 Page No. : 1 / 54

Validity 17/07/2019 to 16/07/2021 Last Amended on -

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
1	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Bismuth	ASTM E1251: 2017
2	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Bismuth	IS 11035: 1984 (RA 2000)
3	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Chromium	IS 11035: 1984 (RA 2000)
4	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Chromium	ASTM E1251: 2017
5	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Copper	IS 11035: 1984
6	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Copper	ASTM E1251: 2017
7	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Iron	IS 11035: 1984 (RA 2000)
8	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Iron	ASTM E1251: 2017
9	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Lead	ASTM E1251: 2017
10	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Lead	IS 11035: 1984 (RA 2000)
11	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Magnesium	ASTM E1251: 2017
12	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Magnesium	IS 11035: 1984 (RA 2000)
13	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Manganese	IS 11035: 1984 (RA 2000)



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14	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Manganese	ASTM E1251: 2017
15	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Nickel	ASTM E1251: 2017
16	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Nickel	IS 11035: 1984 (RA 2000)
17	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Silicon	IS 11035: 1984 (RA 2000)
18	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Silicon	ASTM E1251: 2017
19	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Tin	ASTM E1251: 2017
20	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Tin	IS 11035: 1984 (RA 2000)
21	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Titanium	IS 11035: 1984 (RA 2000)
22	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Titanium	ASTM E1251: 2017
23	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Zinc	IS 11035: 1984 (RA 2000)
24	CHEMICAL- METALS & ALLOYS	Aluminium Alloys	Zinc	ASTM E1251: 2017
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999: 2018
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 15338: 2003 (RA 2018)



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27	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999: 2018
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 15338: 2003 (RA 2018)
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	IS 15338: 2003 (RA 2018)
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999: 2018
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	IS 15338: 2003 (RA 2018)
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Magnesium	ASTM E1999: 2018
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 15338: 2003 (RA 2018)
34	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999: 2018
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	IS 15338: 2003 (RA 2018)
36	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999: 2018
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 15338: 2003 (RA 2018)
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999: 2018
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	IS 15338: 2003 (RA 2018)



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40	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999: 2018
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 15338: 2003 (RA 2018)
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999: 2018
43	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999: 2018
44	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 15338: 2003 (RA 2018)
45	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	IS 15338: 2003 (RA 2018)
46	CHEMICAL- METALS & ALLOYS	Cast Iron	Vanadium	ASTM E1999: 2018
47	CHEMICAL- METALS & ALLOYS	Copper Alloys	Aluminium	BS EN 15079: 2015
48	CHEMICAL- METALS & ALLOYS	Copper Alloys	Arsenic	BS EN 15079: 2015
49	CHEMICAL- METALS & ALLOYS	Copper Alloys	Iron	BS EN 15079: 2015
50	CHEMICAL- METALS & ALLOYS	Copper Alloys	Lead	BS EN 15079: 2015
51	CHEMICAL- METALS & ALLOYS	Copper Alloys	Manganese	BS EN 15079: 2015
52	CHEMICAL- METALS & ALLOYS	Copper Alloys	Nickel	BS EN 15079: 2015



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53	CHEMICAL- METALS & ALLOYS	Copper Alloys	Phosphorus	BS EN 15079: 2015
54	CHEMICAL- METALS & ALLOYS	Copper Alloys	Silicon	BS EN 15079: 2015
55	CHEMICAL- METALS & ALLOYS	Copper Alloys	Tin	BS EN 15079: 2015
56	CHEMICAL- METALS & ALLOYS	Copper Alloys	Zinc	BS EN 15079: 2015
57	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Hexavalent Chromium	IEC 62321-7-1: 2015
58	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Hexavalent Chromium	US EPA 3060A: 1996
59	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Hexavalent Chromium	US EPA 7196A: 1992
60	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Cadmium Content	US EPA 3051A: 2007
61	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Cadmium Content	US EPA 3052: 1996



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62	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Cadmium Content	US EPA 3050B: 1996
63	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Cadmium Content	IEC 62321-5: 2013
64	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Cadmium Content	CPSC-CH-E1001-8.3: 2012
65	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Chromium Content	IEC 62321-5: 2013
66	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Chromium Content	US EPA 3052: 1996
67	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Chromium Content	US EPA 3050B: 1996
68	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Chromium Content	US EPA 3051A: 2007



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69	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Lead Content	US EPA 3052: 1996
70	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Lead Content	CPSC-CH-E1001-8.3: 2012
71	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Lead Content	US EPA 3050B: 1996
72	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Lead Content	US EPA 3051A: 2007
73	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Lead Content	IEC 62321-5: 2013
74	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Mercury Content	US EPA 3051A: 2007
75	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Mercury Content	US EPA 3052: 1996



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79	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Flame Retardants - PBDE (Polybrominated Diphenyl Ether) Monobromodiphenyl ether Dibromodiphenyl ether Tribromodiphenyl ether Tetrabromodiphenyl ether Pentabromodiphenyl ether Hexabromodiphenyl ether Heptabromodiphenyl ether Octabromodiphenyl ether Nonabromodiphenyl ether Decabromodiphenyl ether	US EPA 3540C: 1996
80	CHEMICAL- METALS & ALLOYS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Flame Retardants - PBDE (Polybrominated Diphenyl Ether) Monobromodiphenyl ether Dibromodiphenyl ether Tribromodiphenyl ether Tetrabromodiphenyl ether Pentabromodiphenyl ether Hexabromodiphenyl ether Heptabromodiphenyl ether Octabromodiphenyl ether Nonabromodiphenyl ether Decabromodiphenyl ether	IEC 62321-6: 2015
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	IS 8811: 1998 (RA 2018)
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Aluminium	ASTM E415: 2017
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	ASTM E415: 2017



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84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Boron	IS 8811: 1998 (RA 2018)
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415: 2017
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811: 1998 (RA 2018)
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811: 1998 (RA 2018)
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E415: 2017
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415: 2017
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811: 1998 (RA 2018)
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Lead	ASTM E415: 2017
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Lead	IS 8811: 1998 (RA 2018)
93	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E415: 2017
94	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811: 1998 (RA 2018)
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E415: 2017
96	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811: 1998 (RA 2018)



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97	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811: 1998 (RA 2018)
98	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E415: 2017
99	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	IS 8811: 1998 (RA 2018)
100	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E415: 2017
101	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	ASTM E415: 2017
102	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811: 1998 (RA 2018)
103	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E415: 2017
104	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811: 1998 (RA 2018)
105	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E415: 2017
106	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811: 1998 (RA 2018)
107	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E415: 2017
108	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	IS 8811: 1998 (RA 2018)
109	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811: 1998 (RA 2018)



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110	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415: 2017
111	CHEMICAL- METALS & ALLOYS	Metallic components	Arsenic	In house Methods : SO-IN-TRP-T01-QU-042: 2019
112	CHEMICAL- METALS & ALLOYS	Metallic components	Copper	In house Methods : SO-IN-TRP-T01-QU-042: 2019
113	CHEMICAL- METALS & ALLOYS	Metallic components	Iron	In house Methods : SO-IN-TRP-T01-QU-042: 2019
114	CHEMICAL- METALS & ALLOYS	Metallic components	Manganese	In house Methods : SO-IN-TRP-T01-QU-042: 2019
115	CHEMICAL- METALS & ALLOYS	Metallic components	Molybdenum	In house Methods : SO-IN-TRP-T01-QU-042: 2019
116	CHEMICAL- METALS & ALLOYS	Metallic components	Nickel	In house Methods : SO-IN-TRP-T01-QU-042: 2019
117	CHEMICAL- METALS & ALLOYS	Metallic components	Titanium	In house Methods : SO-IN-TRP-T01-QU-041: 2019
118	CHEMICAL- METALS & ALLOYS	Metallic components	Zinc	In house Methods : SO-IN-TRP-T01-QU-042: 2019
119	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	ASTM E1086: 2014
120	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	IS 9879: 1998 (RA 2015)
121	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086: 2014
122	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879: 1998 (RA 2015)



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123	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879: 1998 (RA 2015)
124	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086: 2014
125	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	ASTM E1086: 2014
126	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS 9879: 1998 (RA 2015)
127	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086: 2014
128	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879: 1998 (RA 2015)
129	CHEMICAL- METALS & ALLOYS	Stainless Steel	Lead	ASTM E1086: 2014
130	CHEMICAL- METALS & ALLOYS	Stainless Steel	Lead	IS 9879: 1998 (RA 2015)
131	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086: 2014
132	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879: 1998 (RA 2015)
133	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879: 1998 (RA 2015)
134	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086: 2014
135	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879: 1998 (RA 2015)



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136	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086: 2014
137	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	IS 9879: 1998 (RA 2015)
138	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	ASTM E1086: 2014
139	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	ASTM E1086: 2014
140	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS 9879: 1998 (RA 2015)
141	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879: 1998 (RA 2015)
142	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	ASTM E1086: 2014
143	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879: 1998 (RA 2015)
144	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086: 2014
145	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879: 1998 (RA 2015)
146	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086: 2014
147	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	ASTM E1086: 2014
148	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	IS 9879: 1998 (RA 2015)



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149	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	ASTM E1086: 2014
150	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS 9879: 1998 (RA 2015)
151	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	In House Method:SO-IN-TRP-T01-QU-017 : 2018
152	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	In House Method:SO-IN-TRP-T01-QU-017 : 2018
153	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	In House Method: SO-IN-TRP-T01-QU-017 : 2018
154	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	In House Method: SO-IN-TRP-T01-QU-017 : 2018
155	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	In House Method: SO-IN-TRP-T01-QU-017 : 2018
156	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	In House Method: SO-IN-TRP-T01-QU-017 : 2018
157	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorous	In House Method: SO-IN-TRP-T01-QU-017: 2018
158	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	In House Method: SO-IN-TRP-T01-QU-017 : 2018
159	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	In House Method: SO-IN-TRP-T01-QU-017 : 2018
160	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	In House Method: SO-IN-TRP-T01-QU-017 : 2018
161	CHEMICAL- METALS & ALLOYS	Zinc Alloys	Aluminium	ASTM E536: 2016



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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
188	CHEMICAL- PLASTIC & RESINS	Automotive components - Interior Parts	VOC (Volatile Organic Compounds) : AcetaldehydeAcrolineAcetonePropionaldehydeCrotonaldehydeMethacroleine2-ButanoneButyraldehydeBenzaldehydeValreraldehydeM-TolaldehydeHexaldehyde	G-00-1730: 2015
189	CHEMICAL- PLASTIC & RESINS	Automotive components - Interior Parts	VOC (Volatile Organic Compounds) : TolueneEthyl benzeneM-P-XyleneO-XyleneStyreneBenzeneTVOC	ISO 12219 (Part-3): 2012
190	CHEMICAL- PLASTIC & RESINS	Automotive components - Interior Parts	VOC (Volatile Organic Compounds) : TolueneEthyl benzeneM-P-XyleneO-XyleneStyreneBenzeneTVOC	G-00-1736: 2016
191	CHEMICAL- PLASTIC & RESINS	Automotive components - Interior Parts	VOC (Volatile Organic Compounds) : Acetaldehyde, Acroline, Acetone, Propionaldehyde, Crotonaldehyde, Methacroleine, 2-Butanone, Butyraldehyde, Benzaldehyde, Valreraldehyde, M-Tolaldehyde, Hexaldehyde	ISO 12219 (Part-3): 2012
192	CHEMICAL- PLASTIC & RESINS	Automotive components - Interior Parts	VOC (Volatile Organic Compounds) : Formaldehyde	G-00-1730: 2015
193	CHEMICAL- PLASTIC & RESINS	Automotive components - Interior Parts	VOC (Volatile Organic Compounds) : Formaldehyde	ISO 12219 (Part-3): 2012



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194	CHEMICAL- PLASTIC & RESINS	Automotive Components - Interior Parts	VOC (Volatile Organic Compounds) Formaldehyde Acetaldehyde Toluene Total Xylene Ethylbenzene Styrene Benzenen-tetradecanep-dichlorobenzene acroline TVOC	JASO M902 : 2011
195	CHEMICAL- PLASTIC & RESINS	Automotive Components - Interior Parts	VOC (Volatile Organic Compounds) Formaldehyde Acetaldehyde Toluene Total Xylene Ethylbenzene Styrene Benzenen-tetradecanep-dichlorobenzene acroline TVOC	SES N 2403(article): 2013
196	CHEMICAL- PLASTIC & RESINS	Automotive Components - Interior Parts	VOC (Volatile Organic Compounds) Formaldehyde Acetaldehyde Toluene Total Xylene Ethylbenzene Styrene Benzenen-tetradecanep-dichlorobenzene acroline TVOC	ISO 12219-2 : 2012
197	CHEMICAL- PLASTIC & RESINS	Automotive Components - Interior Parts	VOC (Volatile Organic Compounds) Formaldehyde Acetaldehyde Toluene Total Xylene Ethylbenzene Styrene Benzenen-tetradecanep-dichlorobenzene acroline TVOC	NES M0402: 2013
198	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Hexavalent Chromium	US EPA 7196A: 1992



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199	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Hexavalent Chromium	IEC 62321-7-2: 2017
200	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Cadmium Content	IEC 62321-5: 2013
201	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Chromium Content	IEC 62321-5: 2013
202	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Lead Content	IEC 62321-5: 2013
203	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Determination of Total Mercury Content	IEC 62321-4: 2017
204	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Di-2-ethyl hexyl Phthalate (DeHP)	IEC 62321-8: 2017
205	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Dibutyl Phthalate (DBP)	IEC 62321-8: 2017



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206	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Diisobutyl phthalate (DiBP)	IEC 62321-8: 2017
207	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Diisodecyl Phthalate (DiDP)	IEC 62321-8: 2017
208	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Diisononyl Phthalate (DiNP)	IEC 62321-8: 2017
209	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Di-n-octyl Phthalate (DnOP)	IEC 62321-8: 2017
210	CHEMICAL- PLASTIC & RESINS	Electro-Technical Products Restriction of Hazardous Substances (ROHS)	Flame Retardants - PBB (Polybrominated Biphenyl) Monobromobiphenyl Dibromobiphenyl Tribromobiphenyl Tetrabromobiphenyl Pentabromobiphenyl Hexabromobiphenyl Heptabromobiphenyl Octabromobiphenyl Nonabromobiphenyl Decabromobiphenyl	IEC 62321-6: 2015



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214	CHEMICAL- PLASTIC & RESINS	Equipments of vehicle passenger compartment	VOC (Volatile Organic Compounds) : AcetaldehydeAcrolineAcetonePropionaldehydeCrotonaldehydeMethacroleine2-ButanoneButyraldehydeBenzaldehydeValreraldehydeM-TolaldehydeHexaldehyde	RNES-B-20116 V1.0: 2018
215	CHEMICAL- PLASTIC & RESINS	Equipments of vehicle passenger compartment	VOC (Volatile Organic Compounds) : TolueneEthyl benzeneM-P-XyleneO-XyleneStyreneBenzeneTVOC	D42 3109 / - -C: 2016
216	CHEMICAL- PLASTIC & RESINS	Equipments of vehicle passenger compartment	VOC (Volatile Organic Compounds) : TolueneEthyl benzeneM-P-XyleneO-XyleneStyreneBenzeneTVOC	RNES-B-20116 V1.0: 2018
217	CHEMICAL- PLASTIC & RESINS	Equipments of vehicle passenger compartment	VOC (Volatile Organic Compounds) : Formaldehyde	Renault-D40 3004/---A: 2011
218	CHEMICAL- PLASTIC & RESINS	Equipments of vehicle passenger compartment	VOC (Volatile Organic Compounds) : Formaldehyde	RNES-B-20116 V1.0: 2018
219	CHEMICAL- PLASTIC & RESINS	Plastic Products	Determination of Total Cadmium Content	BS EN 1122: 2001
220	CHEMICAL- PLASTIC & RESINS	Polymer part	Arsenic	In house Methods : SO-IN-TRP-T01-QU-042: 2019
221	CHEMICAL- PLASTIC & RESINS	Polymer part	Copper	In house Methods : SO-IN-TRP-T01-QU-042: 2019



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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
230	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Open circuit tests	ISO 16750 (Part-2) Sec 4.9 : 2012
231	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Over Voltage test	ISO 16750 (Part-2) Sec 4.3 : 2012
232	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Reset behavior at voltage drop	ISO 16750 (Part-2) Sec 4.6.2 : 2012
233	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Reversed voltage	ISO 16750 (Part-2) Sec 4.7 : 2012
234	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Short circuit protection	ISO 16750 (Part-2) Sec 4.10 : 2012
235	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Slow decrease and increase of supply voltage	ISO 16750 (Part-2) Sec 4.5 : 2012



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236	ELECTRICAL- EMI / EMC TEST FACILITY	Motor Vehicle Electronic and Electrical System/Sub System Operating on Vehicle Battery Supply	Withstand voltage	ISO 16750 (Part-2) Sec 4.11 : 2012
237	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Cold Test	IS 9000 (Part-2), Sec 1 to 4: 1977
238	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Cold Test	IEC 60068-2-1 : 2007
239	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Cold Test	ISO 16750 (Part-4) Sec 5.1.1: 2010
240	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Combined Temperature and Vibration Test	ISO 16750 (Part-3): 2012
241	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Combined Temperature and Vibration Test	BS EN 60068-2-64: 2008
242	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Damp Heat Test (Cycle)	IEC 60068-2-30: 2005
243	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Damp Heat Test (Cycle)	IS 9000 (Part-5), Sec 1 & 2: 1981
244	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Damp Heat Test (Steady State)	IEC 60068-2-78: 2012

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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254	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Salt Mist Test	IS 9000 (Part-11): 1983
255	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Salt Mist Test	ISO 16750 (Part-4) Sec 5.5.1: 2010
256	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Salt Mist Test	IEC 60068-2-11: 1981
257	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Temperature cycling / Change of temperature	EN 60068-2-14, Cl. 7 & 8, Method Na & Nb: 2009
258	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Temperature cycling / Change of temperature	IS 9000 (Part-14), Sec 1 to 3, Method Na & Nb: 1988
259	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Temperature cycling/ change of temperature	ISO 16750 (Part-4) Sec 5.3: 2010
260	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Vibration Test (Sine and Random)	IEC 60068-2-6: 2007
261	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Vibration Test (Sine and Random)	JIS D 1601: 1995
262	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Vibration Test (Sine and Random)	BS EN 60068-2-64: 2008



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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
263	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electrical Appliances	Vibration Test (Sine and Random)	IS 9000 (Part-8): 1981
264	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Cold Test	IEC 60068-2-1 : 2007
265	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Cold Test	IS 9000 (Part-2), Sec 1 to 4 : 1977
266	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Cold test	ISO 16750 (Part-4) Sec 5.1.1: 2010
267	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Combined Temperature and Vibration Test	BS EN 60068-2-64: 2008
268	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Combined Temperature and Vibration Test	ISO 16750 (Part-3) : 2012
269	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Damp Heat Test (Steady State)	ISO 16750 (Part-4) Sec 5.7: 2010
270	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Damp Heat Test (Cycle)	IS 9000 (Part-5), Sec 1 & 2: 1981
271	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Damp Heat Test (Cycle)	ISO 16750 (Part-4) Sec 5.6: 2010



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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
272	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Damp Heat Test (Cycle)	IEC 60068-2-30: 2005
273	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Damp Heat Test (Steady State)	IEC 60068-2-78: 2012
274	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Damp Heat Test (Steady State)	IS 9000 (Part-4): 2008
275	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Degrees of protection provided by enclosures(IP Code)	IEC 60529: 2013
276	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Degrees of protection provided by enclosures(IP Code)	ISO 20653: 2013
277	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Dry Heat Test	IS 9000 (Part-3), Sec 1 to 5: 1977
278	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Dry heat test	ISO 16750 (Part-4) Sec 5.1.2: 2010
279	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Dry heat test	IEC 60068-2-2: 2007
280	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Free Fall Test	IEC 60068-2-31: 2008



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290	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	All Electronic Products	Vibration Test (Sine and Random)	JIS D 1601: 1995
291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Automotive Components -Interior & Exterior	Cyclic Corrosion Test	GMW 14872: 2018
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Elongation	JIS Z 2241: 2011
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Elongation	IS 1608 (Part1): 2018
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Elongation	ASTM A370: 2018
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Elongation	ASTM E8/E8M: 2016
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Elongation	ISO 6892-1: 2016



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297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Reduction in Area	JIS Z 2241: 2011
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Reduction in Area	ASTM A370: 2018
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Reduction in Area	ISO 6892-1: 2016
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Reduction in Area	IS 1608 (Part1): 2018
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	% Reduction in Area	ASTM E8/E8M: 2016
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Bend Test	IS 1599: 2012
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ASTM E10: 2018



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304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	IS 1500 (Part 1): 2013
305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ISO 6506-1: 2014
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ISO 6506-1: 2014
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ASTM A370: 2018
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ASTM E10: 2018
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ASTM A370: 2018
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ASTM A370: 2018



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311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	IS 1500 (Part 1): 2013
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ASTM E10: 2018
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	IS 1500 (Part 1): 2013
314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Brinell Hardness Test	ISO 6506-1: 2014
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Charpy Impact Test (Charpy -V Notch at ambient temperature)	IS 1757 (Part1): 2014
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Charpy Impact Test (Charpy -V Notch, ambient temperature to -40 ° C)	IS 1757 (Part1): 2014
317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Ericsson Cupping Test(sheet thickness : 0.2 - 2.0 mm)	IS 10175: 2012



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318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Izod Impact Test	IS 1598: 1977
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Micro Vickers Hardness10-1000g load.	ASTM A370,ASTM E384,ISO 6507-1,IS 1501: 2018
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Micro Vickers Hardness10-1000g load.	ASTM E384,ISO 6507-1,IS 1501: 2017
321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Micro Vickers Hardness10-1000g load.	ISO 6507-1,ASTM E384,IS 1501: 2018
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Micro Vickers Hardness10-1000g load.	IS 1501 (Part1),ASTM E384,ISO 6507: 2013
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Proof Strength	JIS Z 2241: 2011
324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Proof Strength	ISO 6892-1: 2016



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325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Proof Strength	ASTM E8/E8M: 2016
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Proof Strength	IS 1608 (Part1): 2018
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Proof Strength	ASTM A370: 2018
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Resistance to Corrosion	ISO 9227: 2017
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Resistance to Corrosion	ASTM B117: 2018
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Resistance to Corrosion	ASTM G85, Annex A1: 2011
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Resistance to Corrosion	JIS Z 2371: 2015



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339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ISO 6508-1: 2016
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	IS 1586 (Part1): 2018
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ISO 6508-1: 2016
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ISO 6508-1: 2016



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346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18: 2018
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18: 2018
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018



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353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	IS 1586 (Part1): 2018
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	IS 1586 (Part1): 2018
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	IS 1586 (Part1): 2018
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	IS 1586 (Part1): 2018
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018



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360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2017
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM E18 : 2018
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	IS 1586 (Part1): 2018
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2018
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ASTM A370: 2017
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ISO 6508-1: 2016



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367	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ISO 6508-1: 2018
368	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Rockwell Hardness Test	ISO 6508-1: 2016
369	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Tensile Strength	ISO 6892-1: 2016
370	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Tensile Strength	IS 1608 (Part1): 2018
371	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Tensile Strength	ASTM E8/E8M: 2016
372	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Tensile Strength	JIS Z 2241: 2011
373	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Tensile Strength	ASTM A370: 2018



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374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Vickers Hardness Test1 - 50Kg Load	ISO 6507-1,ASTM E92 &IS 1501: 2018
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Vickers Hardness Test1 - 50Kg Load	ASTM E92,ISO 6507-1,IS 1500: 2017
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Vickers Hardness Test1 - 50Kg Load	ASTM A370,IS 1501,ASTM E92&ISO 6507-1: 2018
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Vickers Hardness Test1 - 50Kg Load	IS 1501 (Part1),ISO 6507-1,ASTM E92: 2013
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Yield Strength	ASTM E8/E8M: 2016
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Yield Strength	IS 1608 (Part1): 2018
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Yield Strength	JIS Z 2241: 2011



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381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Yield Strength	ASTM A370: 2018
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non-Ferrous Metals & Alloys, Coated Products	Yield Strength	ISO 6892-1: 2016
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Painted Components	Mass of Zn coating	IS 6745: 1972
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Painted Components	Mass of Zn coating	ISO 2808: 2007
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Painted Components	Mass of Zn coating	DIN EN 10346: 2015
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Painted Components	Mass of Zn coating	ASTM A90/90M: 2013
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Painted Panels & Products, Plated & Coated Products	Paint Adhesion	ISO 2409: 2013



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397	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by DFT Meter	ISO 2178: 2016
398	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by DFT Meter	ASTM D7091: 2013
399	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by DFT Meter	ISO 2360: 2017
400	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by DFT Meter	IS 3203: 1982
401	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by Microscope	IS 3203: 1982
402	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by Microscope	ISO 2808: 2007
403	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Coating Thickness by Microscope	ASTM B487: 1985
404	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Depth of Decarburization	IS 6396: 2000
405	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Determination of Volume Fraction of Phases	ASTM E562 : 2011



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406	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Flake Type and Size Analysis	IS 7754: 1975
407	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Flake Type and Size Analysis	ASTM A247: 2017
408	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Inclusion content in steel	ASTM E45: 2018
409	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Inclusion content in steel	IS 4163: 2004
410	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Examination	ASTM E340: 2015
411	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Examination	IS 13015: 1991
412	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Examination	IS 12573: 2010
413	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Examination	IS 11371: 1985
414	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Examination	ASM Handbook Vol-9: 2004



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415	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Macro Examination	ASTM E381: 2017
416	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Micro Examination	ASM Handbook Vol-9: 2004
417	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Nodularity and Nodule Count by Image Analysis	ASTM E2567: 2016
418	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Nodularity and Nodule Count by Image Analysis	ASTM E562: 2011
419	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Nodularity and Nodule Count by Image Analysis	ASTM A247: 2017
420	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Nodularity and Nodule Count by Image Analysis	IS 7754 : 1975
421	MECHANICAL-METALLOGRAPHY TEST	Metallography Test	Welding-Fusion Welded Joints; Macro and Dimensional measurement of Weld joint	ISO 5817: 2014
422	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Ball Drop test	PV 3905: 2015
423	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Crocking	FLTM BN 107-1: 2007



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442	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Scratch & Mar test	E-00-0293: 2013
443	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Stress Whitening Test	PV 3966: 2016
444	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Thermal Shock Testing	GMW 3172 (Clause 9.4.2): 2010
445	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Thermal Shock Testing	ES94100-05 (Clause 6.4.1): 2017
446	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Weather ability or Fading Resistance for colour fastness to light	ASTM G 155 (Appendix-X2): 2013
447	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Weather ability or Fading Resistance for colour fastness to light	SAE J 2527: 2017
448	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Weather ability or Fading Resistance for colour fastness to light	SAE J 2412: 2015
449	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Components -Interior & Exterior & Plastic parts	Weather ability or Fading Resistance for colour fastness to light	ISO 105-B06: 1998
450	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Automotive Insulation Materials & Interior Parts	Hot Odor Test for Insulation Materials	SAE J 1351: 2015



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460	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Ash content	ASTM D 5630, (Method B): 2013
461	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Charpy Impact	ISO 179-1: 2010
462	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Density	ASTM D 792: 2013
463	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Density	ISO 1183-1: 2012
464	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Izod Impact	ISO 180: 2013
465	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Izod Impact	ASTM D 256: 2010
466	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Melt flow index	ASTM D 1238: 2013
467	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Melt flow index	ISO 1133-1 & 2: 2011
468	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Plastic Materials	Specific Gravity	ASTM D 792: 2013