National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : METALLURGICAL LABORATORY, HEAVY VEHICLES FACTORY, AVADI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 27/05/2022 to 17/09/2023 **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
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Cr	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Cu	ASTM E 1251
3	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Fe	ASTM E 1251
4	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Mg	ASTM E 1251
5	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Mn	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Ni	ASTM E 1251
7	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Pb	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Si	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Sn	ASTM E 1251
10	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Ti	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Al & Al Base Alloys	Zn	ASTM E 1251
12	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Al	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	C	ASTM E 415
14	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Cr	ASTM E 415
15	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Cu	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Mn	ASTM E 415
17	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Mo	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Ni	ASTM E 415

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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
19	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	P	ASTM E 415
20	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	S	ASTM E 415
21	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Si	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	Sn	ASTM E 415
23	CHEMICAL- METALS & ALLOYS	Chilled Cast Iron	V	ASTM E 415
24	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Al	BSEN 15079
25	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	As	BSEN 15079
26	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Be	BSEN 15079
27	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Fe	BSEN 15079
28	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Mn	BSEN 15079
29	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Ni	BSEN 15079
30	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	P	BSEN 15079
31	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Pb	BSEN 15079
32	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Sb	BSEN 15079
33	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Si	BSEN 15079
34	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Sn	BSEN 15079
35	CHEMICAL- METALS & ALLOYS	Copper Base Alloys	Zn	BSEN 15079
36	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	C	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	Cu	ASTM E415

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Laboratory Name : METALLURGICAL LABORATORY, HEAVY VEHICLES FACTORY, AVADI, CHENNAI, TAMIL NADU, INDIA

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38	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	Mn	ASTM E 415
39	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	P	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	S	ASTM E 415
41	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	Si	ASTM E 415
42	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	Sn	ASTM E415
43	CHEMICAL- METALS & ALLOYS	Fe Base Carbon Steel	W	ASTM E415
44	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Al	ASTM E 415
45	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	C	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Co	ASTM E 415
47	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Cr	ASTM E 415
48	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Cu	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Mn	ASTM E 415
50	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Mo	ASTM E 415
51	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Nb	ASTM E 415
52	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Ni	ASTM E 415
53	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	P	ASTM E 415
54	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	S	ASTM E 415
55	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Si	ASTM E 415
56	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	Sn	ASTM E 415

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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
57	CHEMICAL- METALS & ALLOYS	Fe Base High Manganese Steel	V	ASTM E 415
58	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Al	ASTM E 415
59	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Al	IS 8811
60	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	C	ASTM E 415
61	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	C	IS 8811
62	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Co	ASTM E 415
63	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Co	IS 8811
64	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Cr	ASTM E 415
65	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Cr	IS 8811
66	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Cu	ASTM E 415
67	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Cu	IS 8811
68	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Mn	ASTM E 415
69	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Mn	IS 8811
70	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Mo	ASTM E 415
71	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Mo	IS 8811
72	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Ni	ASTM E 415
73	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Ni	IS 8811
74	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	P	ASTM E 415
75	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	P	IS 8811

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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
76	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	S	ASTM E 415
77	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	S	IS 8811
78	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Si	ASTM E 415
79	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Si	IS 8811
80	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Sn	ASTM E 415
81	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	Sn	IS 8811
82	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	V	ASTM E 415
83	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	V	IS 8811
84	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	W	ASTM E 415
85	CHEMICAL- METALS & ALLOYS	Fe Base Low Alloy	W	IS 8811
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Al	ASTM E 1086
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Al	IS 9879
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	ASTM E 1086
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	C	IS 9879
90	CHEMICAL- METALS & ALLOYS	Stainless Steel	Co	ASTM E 1086
91	CHEMICAL- METALS & ALLOYS	Stainless Steel	Co	IS 9879
92	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr	ASTM E 1086
93	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cr	IS 9879
94	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cu	ASTE E 1086

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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- METALS & ALLOYS	Stainless Steel	Cu	IS 9879
96	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn	ASTM E 1086
97	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mn	IS 9879
98	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo	ASTM E 1086
99	CHEMICAL- METALS & ALLOYS	Stainless Steel	Mo	IS 9789
100	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nb	ASTM E 1086
101	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nb	IS 9879
102	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ni	ASTM E 1086
103	CHEMICAL- METALS & ALLOYS	Stainless Steel	Ni	IS 9879
104	CHEMICAL- METALS & ALLOYS	Stainless Steel	P	ASTM E 1086
105	CHEMICAL- METALS & ALLOYS	Stainless Steel	P	IS 9879
106	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	ASTM E 1086
107	CHEMICAL- METALS & ALLOYS	Stainless Steel	S	IS 9879
108	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	ASTM E 1086
109	CHEMICAL- METALS & ALLOYS	Stainless Steel	Si	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sn	ASTM E 1086
111	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sn	IS 9879
112	CHEMICAL- METALS & ALLOYS	Stainless Steel	V	ASTM E 1086
113	CHEMICAL- METALS & ALLOYS	Stainless Steel	V	IS 9879

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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
114	CHEMICAL- METALS & ALLOYS	Stainless Steel	W	ASTM E 1086
115	CHEMICAL- METALS & ALLOYS	Stainless Steel	W	IS 9879
116	CHEMICAL- METALS & ALLOYS	Tool Steel	C	IS 8811
117	CHEMICAL- METALS & ALLOYS	Tool Steel	Co	IS 8811
118	CHEMICAL- METALS & ALLOYS	Tool Steel	Cr	IS 8811
119	CHEMICAL- METALS & ALLOYS	Tool Steel	Mn	IS 8811
120	CHEMICAL- METALS & ALLOYS	Tool Steel	Mo	IS 8811
121	CHEMICAL- METALS & ALLOYS	Tool Steel	P	IS 8811
122	CHEMICAL- METALS & ALLOYS	Tool Steel	S	IS 8811
123	CHEMICAL- METALS & ALLOYS	Tool Steel	Si	IS 8811
124	CHEMICAL- METALS & ALLOYS	Tool Steel	Sn	IS 8811
125	CHEMICAL- METALS & ALLOYS	Tool Steel	V	IS 8811
126	CHEMICAL- METALS & ALLOYS	Tool Steel	W	IS 8811
127	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Compound / Rubber Vulcanizate	Ash Content	ASTM D 6370
128	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Compound / Rubber Vulcanizate	Carbon Black content	ASTM D 6370
129	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Compound / Rubber Vulcanizate	Polymer identification by FTIR	ASTM D 3677
130	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Compound / Rubber Vulcanizate	Polymer identification by FTIR	ASTM E 1252
131	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Compound / Rubber Vulcanizate	Total Organics (Polymer + Volatile Content)	ASTM D 6370
132	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber Compound / Rubber Vulcanizate	Volatile Content	ASTM D 6370

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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
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Clod and Hot Formed Springs	Compression Springs (Wire Diameter : 0.05 mm to 10 mm)	HVF/TMPM/4.8, Issue No. 03, Issue Date 24.06.2013, Amendment date 11.06.2018
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cold Formed Springs	Compression Springs load test (Wire Dia 8 mm to 60 mm)	IS 7906 (Part-5)
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Cold Formed Springs	Extension Springs load test (Wire Diameter up to 17 mm)	IS 7907 (Part - 2)
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	% Elongation	IS 1608 Part 1
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	% Reduction in Area	IS 1608 Part 1
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Bend Test	IS 1599
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Bend Test	IS 2329
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Charpy 'U' Notch (At Room Temperature)	IS 1757 Part 1
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Charpy 'V' Notch (At room Temperature)	IS 1757 Part 1
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Rockwell Hardness 'B' Scale	ASTM E18
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Rockwell Hardness 'B' Scale	IS 1586 Part 1
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Tensile strength	IS 1608 Part 1
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Ultimate Tensile Strength	IS 1608 Part 1
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Metals	Yield Strength	IS 1608 Part 1

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147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Matals	Brinell Hardness (10mm/3000kg)	IS 1500(Part-1)
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Brinell Hardness - HBW (5mm/750kg)	ASTM E 10
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Brinell Hardness - HBW (5mm/750kg)	IS 1500(Part-1)
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Brinell Hardness (10mm/3000kg)	ASTM E 10
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.05)	ASTM E 384
152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.05)	ASTM E 92
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.05)	IS 1501
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.1)	ASTM E 384
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.1)	ASTM E 92
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.1)	IS 1501
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.2)	ASTM E 384
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.2)	ASTM E 92
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Micro Hardness (HV 0.2)	IS 1501
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Rockwell hardness 'C' Scale	ASTM E 18

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161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Rockwell hardness 'C' Scale	IS 1586 Part 1
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness (HV1)	ASTM E 384
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness (HV1)	IS 1501
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness (HV10)	ASTM E 384
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness (HV10)	IS 1501
166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness (HV5)	ASTM E 384
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness (HV5)	IS 1501
168	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Form, Size and distribution of Graphite in Cast Iron (Comparison method)	ASTM A 247
169	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Form, Size and distribution of Graphite in Cast Iron (Comparison method)	IS 7754
170	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro Etching	ASTM E 340
171	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro Etching	IS 11371
172	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro Etching	IS 13015
173	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Macro Etching	IS 13484
174	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Microstructures	ASTM E 1951
175	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Microstructures	ASTM E 3

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176	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Microstructures	ASTM E 407
177	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Non Ferrous Metals	Microstructures	ASTM E Atlas Vol 9/88
178	MECHANICAL-METALLOGRAPHY TEST	Steel	Decarburised Layer	ISO 3887
179	MECHANICAL-METALLOGRAPHY TEST	Steel	Decarburized layer	ASTM E 1077
180	MECHANICAL-METALLOGRAPHY TEST	Steel	Decarburized Layer	IS 6396
181	MECHANICAL-METALLOGRAPHY TEST	Steel	Inclusion Content (Method 'A')	IS 4163
182	MECHANICAL-METALLOGRAPHY TEST	Steel	Total Case Depth (Microscopic Method, Magnification 100X)	ASTM E 1077
183	MECHANICAL-METALLOGRAPHY TEST	Steel	Total Case Depth (Microscopic Method, Magnification 100X)	IS 13691
184	MECHANICAL-METALLOGRAPHY TEST	Steel	Total Case Depth (Microscopic Method, Magnification 100X)	IS 6416
185	MECHANICAL-METALLOGRAPHY TEST	Steels	Grain size (Comparison method)	ASTM E 112
186	MECHANICAL-METALLOGRAPHY TEST	Steels	Grain size (Comparison method)	GOST 5639
187	MECHANICAL-METALLOGRAPHY TEST	Steels	Grain Size by comparison method	IS 4748
188	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Valcanizate	Accelerated aging (% Change in elongation at break)	GOST 9.024
189	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Valcanizate	Accelerated aging (% change in elongation at break)	IS 3400(PART-1)
190	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	% Elongation	GOST 270
191	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Accelerated Aging (Tensile strength)	GOST 9.024
192	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Accelerated Aging (Tensile strength)	IS 3400 (Part -1)
193	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Density	IS 3400 (Part -9)
194	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Elongation at break (%)	IS 3400 (Part 1)

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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
195	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Hardness	ASTM D2240
196	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Hardness	GOST 263
197	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Hardness	IS 3400 Part-23
198	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Tensile Strength	GOST 270
199	MECHANICAL- RUBBER AND RUBBER PRODUCTS	Rubber Compound, Rubber Vulcanizate	Tensile Strength	IS 3400 (Part 1)