National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VIPRAS CORPORATION LTD - MATERIAL TESTING DIVISION, 12/33, VILLAGE- NIPHAN, KHOPOLI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/02/2021 to 15/02/2023 **Last Amended on** 24/08/2022

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	Alloy Steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Alloy Steel	Aluminium	IS 8811
3	CHEMICAL- METALS & ALLOYS	Alloy Steel	Boron	ASTM E415 :2021
4	CHEMICAL- METALS & ALLOYS	Alloy Steel	Boron	IS 8811
5	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	ASTM E415 2021
6	CHEMICAL- METALS & ALLOYS	Alloy Steel	Carbon	IS 8811
7	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Alloy Steel	Chromium	IS 8811
9	CHEMICAL- METALS & ALLOYS	Alloy steel	Cobalt	ASTM E415 2021
10	CHEMICAL- METALS & ALLOYS	Alloy Steel	Cobalt	IS 8811
11	CHEMICAL- METALS & ALLOYS	Alloy Steel	Copper	IS 8811
12	CHEMICAL- METALS & ALLOYS	Alloy steel	Copper	IS 8811
13	CHEMICAL- METALS & ALLOYS	Alloy steel	Manganese	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Alloy Steel	Manganese	IS 8811
15	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Alloy Steel	Molybdenum	IS 8811
17	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nickel	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Alloy Steel	Niobium	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Alloy Steel	Niobium	IS 8811
21	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nitrogen	ASTM E415
22	CHEMICAL- METALS & ALLOYS	Alloy Steel	Nitrogen	IS 8811
23	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorous	IS 8811
24	CHEMICAL- METALS & ALLOYS	Alloy Steel	Phosphorus	ASTM E415
25	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	ASTM E415
26	CHEMICAL- METALS & ALLOYS	Alloy Steel	Silicon	IS 8811
27	CHEMICAL- METALS & ALLOYS	Alloy steel	Sulphur	ASTM E415
28	CHEMICAL- METALS & ALLOYS	Alloy steel	Sulphur	IS 8811
29	CHEMICAL- METALS & ALLOYS	Alloy steel	Tin	ASTM E415
30	CHEMICAL- METALS & ALLOYS	Alloy Steel	Tin	IS 8811
31	CHEMICAL- METALS & ALLOYS	Alloy Steel	Titanium	ASTM E415:
32	CHEMICAL- METALS & ALLOYS	Alloy Steel	Titanium	IS 8811
33	CHEMICAL- METALS & ALLOYS	Alloy Steel	Tungsten	IS 8811
34	CHEMICAL- METALS & ALLOYS	Alloy Steel	Tungsten	W/QA/77, 00/ 11.02.2021
35	CHEMICAL- METALS & ALLOYS	Alloy Steel	Vanadium	ASTM E415
36	CHEMICAL- METALS & ALLOYS	Alloy Steel	Vanadium	IS 8811
37	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon steel, stainless steel, Tool steel, Special Steel	Chromium (PMI)	ASTM E 1476

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38	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Chromium (PMI)	ASTM E1916
39	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Cobalt (PMI)	ASTM E 1476
40	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Cobalt (PMI)	ASTM E 1916
41	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Copper (PMI)	ASTM E 1476
42	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Copper (PMI)	ASTM E1916
43	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Manganese (PMI)	ASTM E 1476
44	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Manganese (PMI)	ASTM E 1916
45	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Molybdenum (PMI)	ASTM E 1476
46	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Molybdenum (PMI)	ASTM E 1916
47	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Nickel (PMI)	ASTM E 1476
48	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Nickel (PMI)	ASTM E 1916
49	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Niobium (PMI)	ASTM E 1476
50	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Niobium (PMI)	ASTM E 1916
51	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Titanium (PMI)	ASTM E 1476
52	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Titanium (PMI)	ASTM E 1916
53	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Tungsten (PMI)	ASTM E 1476
54	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Tungsten (PMI)	ASTM E 1916
55	CHEMICAL- METALS & ALLOYS	Alloy steel, Carbon Steel, Tool steel, stainless steel, Special steel	Vanadium (PMI)	ASTM E 1916
56	CHEMICAL- METALS & ALLOYS	Stainless Steel	Aluminium	W/QA/77 00/11/02/2021

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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	Stainless Steel	Boron	W/QA/77 00/11/02/2021
58	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
59	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
60	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
61	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS9879
62	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	IS9879
63	CHEMICAL- METALS & ALLOYS	Stainless Steel	Cobalt	W/QA/77 00 11/02/2021
64	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E1086
65	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS9879
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086
69	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS9879
70	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
71	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS9879
72	CHEMICAL- METALS & ALLOYS	Stainless Steel	Niobium	IS9879
73	CHEMICAL- METALS & ALLOYS	Stainless steel	Niobium	W/QA/77 00/11/02/2021
74	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nitrogen	IS9879
75	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	W/QA/77 00/11/02/2021

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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	Stainless steel	Phosphorous	ASTM E1086
77	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS9879
78	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
79	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS9879
80	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulfur	ASTM E1086
81	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulfur	IS9879
82	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tin	Is 9879
83	CHEMICAL- METALS & ALLOYS	Stainless steel	Tin	w/QA/77 00/11/02/2021
84	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	W/QA/77 00/11/02/2021
85	CHEMICAL- METALS & ALLOYS	Stainless Steel	Titanium	w/QA/77 00/11/2/2022
86	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	W/QA 77 00/11/2/2022
87	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	w/QA/77 00 11/2/2022
88	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	IS9879
89	CHEMICAL- METALS & ALLOYS	Stainless Steel	Vanadium	w/QA/77 11/2/2021
90	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon (Chemical analysis by OES)	W/QA/76
91	CHEMICAL- METALS & ALLOYS	Tool steel	Cobalt (Chemical analysis by OES)	W/QA/76
92	CHEMICAL- METALS & ALLOYS	Tool steel	Copper (Chemical analysis by OES)	W/QA/76
93	CHEMICAL- METALS & ALLOYS	Tool steel	Manganese (Chemical analysis by OES)	W/QA/76
94	CHEMICAL- METALS & ALLOYS	Tool steel	Molybdenum (Chemical analysis by OES)	W/QA/76

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95	CHEMICAL- METALS & ALLOYS	Tool steel	Nickel (Chemical analysis by OES)	W/QA/76
96	CHEMICAL- METALS & ALLOYS	Tool steel	Phosphorous (Chemical analysis by OES)	W/QA/76
97	CHEMICAL- METALS & ALLOYS	Tool steel	Silicon (Chemical analysis by OES)	W/QA/76
98	CHEMICAL- METALS & ALLOYS	Tool steel	Sulphur (Chemical analysis by OES)	W/QA/76
99	CHEMICAL- METALS & ALLOYS	Tool steel	Titanium (Chemical analysis by OES)	W/QA/76
100	CHEMICAL- METALS & ALLOYS	Tool steel	Tungsten (Chemical analysis by OES)	W/QA/76
101	CHEMICAL- METALS & ALLOYS	Tool steel	Vanadium (Chemical analysis by OES)	W/QA/76
102	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	IBR RULE
103	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	IS1786
104	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%RA	IBR RULE
105	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% proof stress, 1% proof stress, yield stress	IBR RULE
106	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% proof stress, 1% proof stress, yield stress	IS 1786
107	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	API 1104
108	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	API 5L
109	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	ASME Section IX

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110	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	ASTM E190
111	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	AWS D1.1
112	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	BS EN ISO 5173
113	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	IBR RULE
114	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	IS 2329
115	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	BEND TEST	IS2825
116	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite content Test	API 582
117	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite content Test	API 938C
118	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite content Test	ASTM A799
119	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite Content Test	ASTM A800
120	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite content Test	AWS A4.2
121	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite content Test	NACE MR0103
122	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ferrite content Test	NACE MR0175
123	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	IGC Practice B	ASTM A262

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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
124	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	IGC Practice F	ASTM A262
125	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Inclusion Rating Method D	ASTM E45
126	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Jominy Hardenability Test	ASTM A255
127	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Jominy Hardenability Test	IS 3848
128	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Pitting Corrosion Test (Method A,C,E)	ASTM G48
129	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Pitting Corrosion Test (Method B,D,F)	ASTM G48
130	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Sulphide Stress Corrosion Cracking (SSCC) Test	ISO 15156
131	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Sulphide Stress Corrosion Cracking (SSCC) Test	NACE TM 0177
132	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Surface Roughness Test	ASME B46.1
133	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Surface Roughness Test	IS 3073
134	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Surface Roughness Test	ISO 1302
135	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Thickness Measurement Test By UT gauge	ASTM E797
136	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Thickness Measurement Test By UT gauge	IS 15468
137	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Thickness Measurement Test By UT gauge	ISO16809

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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
138	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	API 1104
139	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	API 2H
140	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	ASME Section IX
141	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	ASTM A770
142	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	ASTM B557
143	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	AWS D1.1
144	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	BS 4449
145	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	BS EN 10164
146	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	BS EN 4136
147	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	IBR RULE
148	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	IS 1786
149	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	UTS	IS 2825
150	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Bend Test	IS 1599
151	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Elongation	ASTM A370

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152	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Elongation	ASTM E8/E8M
153	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Elongation	IS 1608 (PART1)
154	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Elongation	ISO 6892-1
155	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Reduction Area	ASTM A370
156	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Reduction Area	ASTM E8/E8M/16-a
157	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Reduction Area	IS 1608 Part-1
158	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	% Reduction Area	ISO 6892 (PART 1)
159	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	0.2% Proof Stress - 1% Proof Stress	ASTM A370
160	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	0.2% Yield Stress	ASTM E8/E8M-16a
161	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	0.2% Yield Stress - 1% Yield Stress	IS 1608 (Part 1)
162	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	0.2% Yield Stress - 1% Yield stress	ISO 6892 (Part-1)
163	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Bend Test	ASTM A370
164	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Bend Test	ASTM E290
165	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Brinell Hardness Test	ASTM E10

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166	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Brinell Hardness Testing	IS 1500 (Part -1):2013
167	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Impact Test (Charpy "V" Notch)	IS 1757 (PART 1)
168	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Impact Test {Charpy "V" Notch)	ISO 148 Part-1
169	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Rockwell Hardness Test	ASTM 370
170	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Rockwell Hardness Test	ASTM E18
171	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Rockwell Hardness Testing	EN ISO 6508 Part-1
172	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Ultimate Tensile Stress	ASTM A370
173	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Ultimate Tensile Stress	ASTM E8
174	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Ultimate Tensile Stress	IS 1608 Part-1
175	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal & Metal Alloys	Ultimate Tensile Stress	ISO 6892 Part-1
176	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metal Alloys	Rockwell Hardness Test	IS 1586 Part-1
177	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flaring Test	ASTM A1016
178	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flaring Test	ASTM A370
179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flaring Test	ASTM B 153

SCOPE OF ACCREDITATION

Laboratory Name : VIPRAS CORPORATION LTD - MATERIAL TESTING DIVISION, 12/33, VILLAGE- NIPHAN, KHOPOLI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9258 **Page No** 12 of 13

Validity 16/02/2021 to 15/02/2023 **Last Amended on** 24/08/2022

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
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flaring Test	IS2335
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flaring Test	IS2501
182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flattening Test	ASTM A1016
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flattening Test	ASTM A370
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flattening Test	ASTM A999
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flattening Test	ASTM B111
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flattening Test	IS 2501
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Pipe and Tubes	Flattening Test	IS2328
188	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloy	Macro Test	ASTM E381
189	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Decarb Test	ASTM E1077
190	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Decarb Test	IS 6396
191	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Grain Size Test	ASTM E112-13
192	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Grain Size Test	IS 4748
193	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	IGC Test Practice A	ASTM A262
194	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	IGC Test Practice C	ASTM A262
195	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	IGC Test Practice E	ASTM A262

SCOPE OF ACCREDITATION

Laboratory Name :	VIPRAS CORPORATION LTD - MATERIAL TESTING DIVISION, 12/33, VILLAGE- NIPHAN, KHOPOLI, MAHARASHTRA, 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
196	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Inclusion Rating	ASTM E45
197	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Inclusion Rating	IS 4163 (Method A)
198	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Inclusion Rating	ISO 4967
199	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Macro Test	ASTM E340
200	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Macro Test	IS 11371
201	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Macro Test of Tool Steel	ASTM A561
202	MECHANICAL-METALLOGRAPHY TEST	Metal & Metal Alloys	Micro Structure (Ferrite - Pearlite, Martensite - Bainite, Sph. Annealed)	ASTM Volume IX