National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY LABORATORY, # 10, KEB ROAD, NEWPET, ANEKAL, BENGALURU URBAN, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11205 **Page No** 1 of 14

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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
LOCATION 1-# 10, KEB ROAD, NEWPET, ANEKAL, BENGALURU URBAN, KARNATAKA, INDIA Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	ASTM E 1251
2	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Chromium	IS11035
3	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	ASTM E1251
4	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Copper	IS 11035
5	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	ASTM E 1251
6	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Iron	IS 11035
7	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Lead	ASTM E 1251
8	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	ASTM E 1251
9	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Magnesium	IS 11035
10	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	ASTM E 1251
11	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Manganese	IS 11035
12	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Nickel	ASTM E 1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	ASTM E 1251
14	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Silicon	IS 11035
15	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Tin	ASTM E 1251
16	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	ASTM E 1251
17	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Titanium	IS 11035
18	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Vanadium	ASTM E 1251

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19	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	ASTM E 1251
20	CHEMICAL- METALS & ALLOYS	Aluminium & its alloys	Zinc	IS 11035
21	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Aluminium	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Aluminium	IS 8811
23	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Aluminium	JIS G 1253
24	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Arsenic	ASTM E 415
25	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Arsenic	IS 8811
26	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Arsenic	JIS G 1253
27	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Carbon	ASTM E 415
28	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Carbon	IS 8811
29	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Carbon	JIS G 1253
30	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Chromium	ASTM E 415
31	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Chromium	IS 8811
32	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Chromium	JIS G 1253
33	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Copper	ASTM E 415
34	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Copper	IS 8811
35	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Copper	JIS G 1253
36	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Manganese	ASTM E 415
37	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Manganese	IS 8811

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38	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Manganese	JIS G 1253
39	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Molybdenum	ASTM E 415
40	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	molybdenum	IS 8811
41	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Molybdenum	JIS G 1253
42	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Nickel	ASTM E 415
43	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Nickel	IS 8811
44	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Nickel	JIS G 1253
45	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Phosphorous	ASTM E 415
46	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Phosphorous	IS 8811
47	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Phosphorous	JIS G 1253
48	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Silicon	ASTM E 415
49	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Silicon	IS 8811
50	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Silicon	JIS G 1253
51	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Sulphur	ASTM E 415
52	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Sulphur	IS 8811
53	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Sulphur	JIS G 1253
54	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Vanadium	ASTM E 415
55	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Vanadium	IS 8811
56	CHEMICAL- METALS & ALLOYS	Carbon steel and alloys	Vanadium	JIS G 1253

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57	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Aluminum	BS EN 15079
58	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Iron	BS EN 15079
59	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Lead	BS EN 15079
60	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Manganese	BS EN 15079
61	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Nickel	BS EN 15079
62	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Phosphorous	BS EN 15079
63	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Silicon	BS EN 15079
64	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Tin	BS EN 15079
65	CHEMICAL- METALS & ALLOYS	Copper & its alloys	Zinc	BS EN 15079
66	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Carbon	JIS G 1253
67	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Copper	JIS G 1253
68	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Molybdenum	JIS G 1253
69	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Nickel	JIS G 1253
70	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Phosphorous	JIS G 1253
71	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Silicon	JIS G 1253
72	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Sulphur	JIS G 1253
73	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Chromium	JIS G 1253
74	CHEMICAL- METALS & ALLOYS	High Carbon High Chromium Steel	Manganese	JIS G 1253
75	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Sulphur	ASTM E 3047

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76	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Titanium	ASTM E 3047
77	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Vanadium	ASTM E 3047
78	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Aluminum	ASTM E 3047
79	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Boron	ASTM E 3047
80	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Carbon	ASTM E 3047
81	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Chromium	ASTM E 3047
82	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Cobalt	ASTM E 3047
83	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Copper	ASTM E 3047
84	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Iron	ASTM E 3047
85	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Magnesium	ASTM E 3047
86	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Manganese	ASTM E 3047
87	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Molybdenum	ASTM E 3047
88	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Niobium	ASTM E 3047
89	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Phosphorous	ASTM E 3047
90	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Silicon	ASTM E 3047
91	CHEMICAL- METALS & ALLOYS	Nickel & its alloys	Tungsten	ASTM E 3047
92	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E 1086
93	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
94	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	JIS G 1253

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95	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E 1086
96	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
97	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	JIS G 1253
98	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	JIS G 1253
99	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	ASTM E1086
100	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS 9879
101	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	JIS G 1253
102	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E 1086
103	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
104	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	JIS G 1253
105	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E 1086
106	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
107	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	JIS G 1253
108	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E 1086
109	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
110	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	JIS G 1253 -2002
111	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E 1086
112	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
113	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E 1086

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114	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
115	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	JIS G 1253
116	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086
117	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
118	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	JIS G 1253
119	CHEMICAL- METALS & ALLOYS	Tool Steel	Chromium	JIS G1253
120	CHEMICAL- METALS & ALLOYS	Tool Steel	Manganese	JIS G 1253
121	CHEMICAL- METALS & ALLOYS	Tool Steel	Molybdenum	JIS G 1253
122	CHEMICAL- METALS & ALLOYS	Tool Steel	Phosphorous	JIS G1253
123	CHEMICAL- METALS & ALLOYS	Tool Steel	Silicon	JIS G 1253
124	CHEMICAL- METALS & ALLOYS	Tool Steel	Sulphur	JIS G 1253
125	CHEMICAL- METALS & ALLOYS	Tool Steel	Tungsten	JIS G 1253
126	CHEMICAL- METALS & ALLOYS	Tool Steel	Carbon	JIS G 1253
127	CHEMICAL- METALS & ALLOYS	Tool Steel	Cobalt	JIS G1253
128	CHEMICAL- METALS & ALLOYS	Tool Steel	Vanadium	JIS G 1253
129	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials and its Alloys	Micro structure analysis	ASM Metal hand book Vol.9
130	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Average grain size measurement by comparison method	ISO 643
131	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Case depth measurement by microscopic method	IS 13691

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132	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Case depth measurement by Microscopic method	IS 6416
133	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Non metallic inclusion rating	ASTM E 45
134	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Non metallic inclusion rating	IS 4163
135	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Depth of decarburization by microscopic method	ASTM E 1077
136	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Depth of decarburization by microscopic method	IS 6396
137	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials,alloys & products	Average grain size measurement by comparison method	IS 4748
138	MECHANICAL-METALLOGRAPHY TEST	Grey Cast Iron & S.G Iron Products	Micro Examination of Graphite Flakes/ Nodules Types and size,Distribution and matrix analysis	ASTM A 247
139	MECHANICAL-METALLOGRAPHY TEST	Grey Cast Iron & S.G Iron Products	Micro Examination of Graphite Flakes/ Nodules Types and size,Distribution and matrix analysis	IS 7754
140	MECHANICAL-METALLOGRAPHY TEST	Grey Cast Iron & S.G Iron Products	Micro Examination of Graphite Flakes/ Nodules Types and size,Distribution and matrix analysis	ISO 945-1
141	MECHANICAL-METALLOGRAPHY TEST	Metals & alloy products	Average grain size measurement by comparison method	ASTM E 112
142	MECHANICAL-METALLOGRAPHY TEST	Metals & alloy products	Measurement of metal and oxide coating thickness by microscopic method	IS 3203
143	MECHANICAL-METALLOGRAPHY TEST	Metals & alloy products	Measurement of metal and oxide coating thickness by microscopic method	ASTM B 487
144	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous materials and its Alloys	Micro structure analysis	ASM Metal hand book Vol.9
145	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous materials, alloys & products	Micro Structure Analysis	ASTM E 407

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LOCATION 2 - # 6/205, NARAYANASWAMY LAYOUT, ANEKAL, BENGALURU URBAN, KARNATAKA, INDIA Permanent Facility				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	ISO 6506-1
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	IS 1500(Part-1)
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	IS 1500(Part-1)
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	IS 1586 (Part-1)
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	IS 1586 (Part-1)
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	IS 1586(Part-1)
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	IS 1501 (Part 1)
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	IS 1501 (Part-1)
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	IS 1501(Part-1)
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	ASTM E10
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	ASTM E10
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	ASTM E10
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	ISO 6506-1

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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	ISO 6506-1
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Brinell Hardness Test	IS 1500(Part-1)
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Tes	ASTM E18
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	ASTM E18
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	ASTM E18
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	ISO 6508-1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	ISO 6508-1
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Rockwell Hardness Test	ISO 6508-1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Tes	ASTM E92
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	ASTM E92
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	ASTM E92
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	ISO 6507-1
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	ISO 6507-1
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Material and its alloys & products (Sheets, Plates, Rods ,Bars, Flats, Tubes & Pipes)	Vickers Hardness Test	ISO 6507-1

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28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Elongation	ASTM A370
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Elongation	ASTM E8/E8M
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Elongation	IS 1608 (Part 1)
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Elongation	IS 1786
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Elongation	ISO 6892-1
33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Reduction Area	ASTM A370
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Reduction Area	ASTM E8/E8M
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Reduction Area	IS 1608 (Part 1)
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Reduction Area	IS 1786
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test – % Reduction Area	ISO 6892-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - 0.2% Proof Stress & Yield stress under 0. 2% extension	IS 1608 (Part 1)
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Tensile Strength	IS 1608 (Part 1)
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Yield Strength	ASTM A370
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Yield Strength	IS 1608 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : QUALITY LABORATORY, # 10, KEB ROAD, NEWPET, ANEKAL, BENGALURU URBAN, KARNATAKA, INDIA

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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
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Yield Strength	IS 1786
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Yield Strength	ISO 6892-1
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - 0.2% Proof Stress & Yield stress under 0. 2% extension	ASTM A370
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - 0.2% Proof Stress & Yield stress under 0. 2% extension	ASTM E8/E8M
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - 0.2% Proof Stress & Yield stress under 0. 2% extension	IS 1786
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - 0.2% Proof Stress & Yield stress under 0. 2% extension	ISO 6892-1
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Tensile Strength	IS 1786
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Tensile Strength	ASTM A370
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Tensile Strength	ASTM E8/E8M
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Tensile Strength	ISO 6892-1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials and its Alloys (High Strength Deformed Steel Bars, Sheets, Plates, Bars,Rods,Flats, Tubes & Pipes)	Tensile Test - Yield Strength	ASTM E8/E8M
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Brinell Hardness Test	IS 1500(Part-1)
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test - % Elongation	ISO 6892-1
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test - % Elongation	ASTM E8/E8M

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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
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test - % Elongation	IS 1608 (Part 1)
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test - % Reduction Area	ASTM E8/E8M
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test - % Reduction Area	IS 1608 (Part 1)
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test - % Reduction Area	ISO 6892-1
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test – 0.2 % proof Stress & Yield stress under 0.2% extension	ISO 6892-1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test – 0.2 % proof Stress & Yield stress under 0.2% extension	ASTM E8/E8M
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test – 0.2 % proof Stress & Yield stress under 0.2% extension	IS 1608 (Part 1)
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test- Tensile Strength	ASTM E8/E8M
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test- Tensile Strength	IS 1608 (Part 1)
65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test- Tensile Strength	ISO 6892-1
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test- Yield Strength	ASTM E8/E8M
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test- Yield Strength	IS 1608 (Part 1)
68	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Tensile Test- Yield Strength	ISO 6892-1
69	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	IS 1501 (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
70	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	IS 1501 (Part-1)
71	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	IS 1501 (Part-1)
72	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Brinell Hardness Test	ASTM E10
73	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Brinell Hardness Test	ISO 6506-1
74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Rockwell Hardness Test	ASTM E18
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Rockwell Hardness Test	ISO 6508-1
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Rockwell Hardness Test	IS 1586 (Part-1)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Machine	ISO 6507-1
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness machine	ASTM E92
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	ASTM E92
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	ASTM E92
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	ISO 6507-1
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Material and its alloys & products (Sheets, Plates, Bars,Rods, Flats, Tubes & Pipes)	Vickers Hardness Test	ISO 6507-1