National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JK LAB, PAN BUSINESS PARK, PLOT N0.45, NATIONAL HIGHWAY 27,SHAPAR, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Aluminium	JIS G1253
3	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Boron	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Carbon	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Carbon	JIS G1253
6	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Chromium	ASTM E145
7	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Copper	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Manganese	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Molybdenum	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nickel	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Niobium	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Nitrogen	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Phosphorous	ASTM E145
14	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Silicon	ASTM E145
15	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Sulphur	ASTM E145
16	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Sulphur	JIS G1253
17	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Titanium	ASTM E415
18	CHEMICAL- METALS & ALLOYS	Carbon and low alloy steel	Vanadium	ASTM E415

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19	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
20	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	ASTM E1999
21	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	ASTM E1999
22	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	JIS G1253
23	CHEMICAL- METALS & ALLOYS	Cast Iron	Copper	ASTM E1999
24	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	ASTM E1999
25	CHEMICAL- METALS & ALLOYS	Cast Iron	Mangnesium	JIS G1253
26	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdenum	ASTM E1999
27	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	ASTM E1999
28	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorus	ASTM E1999
29	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	ASTM E1999
30	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	JIS G1253
31	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	ASTM E1999
32	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	JIS G1253
33	CHEMICAL- METALS & ALLOYS	Cast Iron	Tin	ASTM E1999
34	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Aluminium	BS EN 15079
35	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Antimony	BS EN 15079
36	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Arsenic	BS EN 15079
37	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Cobalt	BS EN 15079

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38	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Iron	BS EN 15079
39	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Lead	BS EN 15079
40	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Nickel	BS EN 15079
41	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Tin	BS EN 15079
42	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Bismuth	BS EN 15079
43	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Phosphorus	BS EN 15079
44	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Chromium	BS EN 15079
45	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Manganese	BS EN 15079
46	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Silicon	BS EN 15079
47	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Silver	BS EN 15079
48	CHEMICAL- METALS & ALLOYS	Copper Base Alloy	Zinc	BS EN 15079
49	CHEMICAL- METALS & ALLOYS	Stainless steel	Aluminium	JIS G1253
50	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	ASTM E1086
51	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	ASTM E1086
52	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	JIS G1253
53	CHEMICAL- METALS & ALLOYS	Stainless steel	Cobalt	JIS G1253
54	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	ASTM E1086
55	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	JIS G1253
56	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	ASTM E1086

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57	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	JIS G1253
58	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	ASTM E1086
59	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	JIS G1253
60	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	ASTM E1086
61	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	JIS G1253
62	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	JIS G1253
63	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorus	ASTM E1086
64	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	ASTM E1086
65	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	JIS G1253
66	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	ASTM E1086
67	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	JIS G1253
68	CHEMICAL- METALS & ALLOYS	Stainless steel	Tungsten	JIS G1253
69	CHEMICAL- METALS & ALLOYS	Stainless steel	Vanadium	JIS G1253
70	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Elongation	ASTM E8
71	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Elongation	ASTM A370
72	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Elongation	IS 1608 (Part 1)
73	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Elongation	ISO 6892

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74	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Reduction in area	ASTM A370
75	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Reduction in area	ASTM E8
76	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Reduction in area	IS 1608 (Part 1)
77	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	% Reduction in area	ISO 6892
78	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Bend Test	IS 1599
79	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Bend Test	ISO 7438
80	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Hardenability	ASTM A255
81	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Hardenability	IS 3848
82	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Hardenability	SAE J 406
83	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Tensile strength	ASTM A370
84	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Tensile strength	ASTM E8
85	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Tensile strength	IS 1608 (Part 1)
86	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Tensile strength	ISO 6892
87	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Yield strength	ASTM A370

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88	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Yield strength	ASTM E8
89	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Yield strength	IS 1608 (Part 1)
90	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metallic Materials	Yield strength	ISO 6892
91	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell C Scale)	ASTM E18
92	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell C Scale)	IS 1586 (Part 1)
93	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell C Scale)	ISO 6508 (Part 1)
94	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell B Scale)	ASTM A370
95	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell B Scale)	ASTM E18
96	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell B Scale)	IS 1586 (Part 1)
97	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell B Scale)	ISO 6508 (Part 1)
98	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Material	Hardness testing (Rockwell C Scale)	ASTM A370
99	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	% Elongation	ISO 15630 (Part -1)
100	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	Tensile strength	ISO 15630 (Part -1)
101	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Reinforcing Bars, Rods and wires for concrete	Yield strength	ISO 15630 (Part -1)

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102	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steel bars and wires for use as reinforcement in concrete	Bend test of TMT Bar/Reinforcement Bar	ISO 15630-1
103	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	% Elongation	ASTM B557
104	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	% Reduction in area	ASTM B557
105	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	Tensile strength	ASTM B557
106	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Wrought And cast Aluminum and magnesium alloy products	Yield strength	ASTM B557
107	MECHANICAL-METALLOGRAPHY TEST	Austenitic Stainless Steels	IGC Test 'A'	ASTM A262
108	MECHANICAL-METALLOGRAPHY TEST	Bearing Steel	Carbide Structure	SEP 1520
109	MECHANICAL-METALLOGRAPHY TEST	Cast iron and related alloys	Microstructure of graphite in cast iron	ASTM A247
110	MECHANICAL-METALLOGRAPHY TEST	Cast iron and related alloys	Microstructure of graphite in cast iron	IS 7754
111	MECHANICAL-METALLOGRAPHY TEST	Cast iron and related alloys	Microstructure of graphite in cast iron	ISO 945-1
112	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating Thickness by Microscopic Method	ASTM B487 (RA 2013)
113	MECHANICAL-METALLOGRAPHY TEST	Coated Products	Coating Thickness by Microscopic Method	IS 3203 (RA 2016)
114	MECHANICAL-METALLOGRAPHY TEST	Duplex Austenitic / Ferritic Stainless Steels	Method 'A'	ASTM A923
115	MECHANICAL-METALLOGRAPHY TEST	Ferrous and Non Ferrous Material	Micro Examination	ASM Hand Book Vol. 9
116	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Inclusion Rating (By Comparison Method)	ASTM E45
117	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metallic materials	Inclusion Rating (By Comparison Method)	IS 4163(RA 2017)
118	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Grain size	IS 4748, ISO 643

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119	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Case Depth by Microscopic Method	IS 6416 Cl 8
120	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Case Depth by Microscopic Method	SAE J423 CL6.3
121	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Decarburization Depth by Microscopic Method	ASTM E1077
122	MECHANICAL-METALLOGRAPHY TEST	Metallic Material	Decarburization Depth by Microscopic Method	IS 6396 (RA 2018) CL 6
123	MECHANICAL-METALLOGRAPHY TEST	Metallic Materials	Grain size	ASTM E112, ASTM E1382
124	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro / Micro Examination	BS EN ISO 17639
125	MECHANICAL-METALLOGRAPHY TEST	Metallic Welded Items	Macro, Micro, Visual Examination, Weld Penetration, Weld Measurement, Porosity	ASME SEC IX:
126	MECHANICAL-METALLOGRAPHY TEST	Steel Bar , Billets , Blooms, And Forgings	Macroetch	IS 13015 (RA 2018)
127	MECHANICAL-METALLOGRAPHY TEST	Steel Bar , Billets ,Blooms, And Forgings	Macroetch	ASTM E340
128	MECHANICAL-METALLOGRAPHY TEST	Steel Bar , Billets ,Blooms, And Forgings	Macroetch	ASTM E381