National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : KAIZEN LABORATORIES (KIRTI FASTNERS), VILLAGE: KANGANWAL, TEXLA PLASTIC ROAD, INDUSTRIAL AREA- C, LUDHIANA, PUNJAB, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10610 **Page No** 1 of 3

Validity 13/05/2022 to 12/05/2024 **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- CORROSION TESTS	Plated, Coated, Galvanized Products	Salt Spray Test	ASTM B117
2	CHEMICAL- CORROSION TESTS	Plated, Coated, Galvanized Products	Salt Spray Test	IS 9844
3	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Boron	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Carbon	ASTM E 415
5	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Chromium	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Copper	ASTM E 415
7	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Manganese	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Molybdenum	ASTM E 415
9	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Nickel	ASTM E 415
10	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Phosphorus	ASTM E 415
11	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Silicon	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Ferrous materials, alloys & products	Sulphur	ASTM E 415
13	CHEMICAL- METALS & ALLOYS	Stainless steel materials & products	Carbon	IS 9879
14	CHEMICAL- METALS & ALLOYS	Stainless steel materials & products	Chromium	IS 9879
15	CHEMICAL- METALS & ALLOYS	Stainless steel materials & products	Manganese	IS 9879
16	CHEMICAL- METALS & ALLOYS	Stainless steel materials & products	Nickel	IS 9879
17	CHEMICAL- METALS & ALLOYS	Stainless steel materials & products	Silicon	IS 9879
18	CHEMICAL- METALS & ALLOYS	Stainless steel materials & products	Sulphur	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
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ASTM A370
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength (Wedge Load Test)	ISO 898-1
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test (HRB)	IS 1586-1
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation % (El)	ASTM A370
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation % (El)	IS 1608
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation % (El)	ISO 6892-1
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Estimation of average grain size by microscopic method by comparison method	ASTM E112
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Estimation of average grain size by microscopic method by comparison method	IS 4748
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Microstructure Analysis	ASM Handbook Volume 9
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load (Bolt & Screw)	IS 1367-3
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load (Bolt & Screw)	ISO 898-1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load (Nut)	IS 1367-6
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Proof Load (Nut)	ISO 898-2
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area (RA)	ASTM A370

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33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area (RA)	IS 1608
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Reduction Area (RA)	ISO 6892-1
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test (HRB)	ISO 6508 -1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test (HRC)	IS 1586 -1
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness Test (HRC)	ISO 6508-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength (Wedge Load Test)	IS 1367-3
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	IS 1608
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ISO 6892-1
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength (YS)	ASTM A370
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength (YS)	IS 1608
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Strength (YS)	ISO 6892-1
44	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of average grain size by microscopic method by comparison method	ASTM E112
45	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of decarburization depth layer by microscopic method	ASTM E 1077
46	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Estimation of decarburization depth layer by microscopic method	IS 6396