National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : DHATU PARIKSHAK, J - 496, MIDC, BHOSARI, PUNE, MAHARASHTRA, INDIA
Accreditation Standard ISO/IEC 17025:2017
Certificate Number TC-5604 **Page No** 1 of 4
Validity 08/05/2022 to 07/05/2024 **Last Amended on** 25/04/2023

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	Low Alloy Steel	Aluminium	IS 8811
2	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811
3	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
4	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
5	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
6	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
8	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 8811
9	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
10	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
11	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
12	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon	IS 9879
13	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 9879
14	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 9879
15	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 9879
16	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 9879
17	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS 9879
18	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus	IS 9879

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19	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 9879
20	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 9879
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test - V Notch Lateral Expansion (-60 to 35°C)	ISO 148 (Part-1)
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test - V Notch Lateral Expansion (-60 to 35°C)	IS 1757 (Part1)
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Alloy material & Products (Steel)	Jominy End Quench Hardenability (1.5 mm to 60 mm)	IS 3848
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloy Material & products (Steel , Stainless Steel)	Brinell Hardness (10 mm/3000 kgf)	ISO 6506-1
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloy Material & products (Steel , Stainless Steel)	Brinell Hardness (10 mm/3000 kgf)	IS 1500 (Part 1)
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloy Material & Products (Steel, Stainless Steel)	Brinell Hardness (5mm /750 kgf)	ISO 6506-1
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloy Material & Products (Steel, Stainless Steel)	Brinell Hardness (5mm /750 kgf)	IS 1500 (Part 1)
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloy Material & products (Steel, Stainless Steel)	Rockwell Hardness (Scale-C)	IS 1586 (Part 1)
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous & Non Ferrous Alloy Material & products (Steel, Stainless Steel)	Rockwell Hardness (Scale-C)	ISO 6508-1
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test-V Notch (Temp : -60°C to 35 °C)	IS 1757 (Part 1)
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Charpy Impact Test-V Notch (Temp : -60°C to 35 °C)	ISO 148-1
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (% Elongation)	IS 1608 (Part 1)

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33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (% Elongation)	ISO 6892-1
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (% Reduction in Area)	IS 1608 (Part 1)
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (% Reduction in Area)	ISO 6892-1
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (0.2 % Proof Stress)	IS 1608 (Part 1)
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (0.2 % Proof Stress)	ISO 6892-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Breaking Load)	IS 1608 (Part 1)
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Breaking Load)	ISO 6892-1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength)	IS 1608 (Part 1)
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Ultimate Tensile Strength)	ISO 6892-1
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress)	IS 1608 (Part 1)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Metallic Materials	Tensile Test (Yield Stress)	ISO 6892-1
44	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Alloy Material & products (Steel)	Grain Size by Microscopic method for un-twinned grains (Comparison Method)	ISO 643
45	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Alloy Material & products (Steel)	Grain Size by Microscopic method for un-twinned grains (Comparison Method)	IS 4748
46	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Alloy Material & products (Steel)	Inclusion Rating (Comparison Method-A)	IS 4163

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47	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Alloy Material & products (Steel)	Inclusion Rating (Comparison Method-A)	ISO 4967
48	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Alloy Material & Products (Steel)	Macro Structure (Comparison Chart)	IS 13015
49	MECHANICAL-METALLOGRAPHY TEST	Ferrous & Alloy Material & Products (Steel)	Macro Structure (Visual Inspection)	IS 11371