National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATERIALS TESTING LABORATORY, UTTAM VALUE STEELS LIMITED, BHUGAON LINK ROAD, WARDHA, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5207 **Page No** 1 of 3

Validity 07/04/2022 to 06/04/2024 **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- METALLIC COATINGS & TREATMENT SOLUTIONS	"Metallic Product, Ferrous Metal, Galvanized Products"	Mass of Zinc coating	ASTM A 90
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	"Metallic Product, Ferrous Metal, Galvanized Products"	Mass of Zinc Coating	IS 6745
3	CHEMICAL- METALS & ALLOYS	Ferro Chroium (Ferro Alloys)	Chromium	IS 1559
4	CHEMICAL- METALS & ALLOYS	Ferro Vanadium (Ferro-Alloys)	Vanadium	IS 1559
5	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Carbon	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Chromium	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Manganese	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Molybdenum	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Nickel	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Phosphorus	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Silicon	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Plain Carbon & Low Alloy Steels	Sulphur	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Aluminium	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Boron	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Copper	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Niobium	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Nitogen	ASTM E415

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18	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Titanium	ASTM E415
19	CHEMICAL- METALS & ALLOYS	Plain Carbon and Low Alloy Steels	Vanadium	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Silico Manganese (Ferro-Alloys)	Manganese	IS 1559
21	CHEMICAL- METALS & ALLOYS	Silico Manganese (Ferro-Alloys)	Silicon	IS1559
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction of area	ASTM E8
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	ASTM A 370
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	ASTM E8
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction of area	ASTM A 370
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Reduction of area	IS 1608 (Part 1)
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM A 370
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM E8
29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	IS 1608 (Part 1)
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardness Test - Brinell (10/3000)	IS 1500 (Part 1)
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardness Test: Rockwell (HRBW)	IS 1586 (Part 1)

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33	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Hardness Test: Rockwell (HRC)	IS 1586 (Part 1)
34	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Test : Charpy V-Notch (-60 DegC to Room Temperature)	ISO 148 (Part 1)
35	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Test : Charpy V-Notch, (-60 Deg C to Room Temperature)	IS 1757 (Part 1)
36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Test : Charpy V-Notch, (-60 Deg C to Room Temperature)	ASTM E23
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Impact Test : Charpy V-Notch, (-60 Deg C to Room Temperature)	ASTM A 370
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	ASTM E8
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ASTM A 370
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ASTM E8
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	IS 1608 (Part 1)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	%Elongation	IS 1608 (Part 1)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	IS 1608 (Part 1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Tensile Strength	ASTM A370