National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TESTING LABORATORY, WELSPUN CORP LIMITED, DAHEJ FACILITY, VADADALA, DAHEJ ROAD TA. VAGRA, BHARUCH, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10357 **Page No** 1 of 6

Validity 25/02/2022 to 24/02/2024 **Last Amended on** 28/02/2022

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 & Low Alloy Steel	Aluminium	ASTM E415
2	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Boron	ASTM E415
3	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Calcium	ASTM E415
4	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Carbon	ASTM E415
5	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Chromium	ASTM E415
6	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Copper	ASTM E415
7	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Manganese	ASTM E415
8	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Molybdenum	ASTM E415
9	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nickel	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Niobium	ASTM E415
11	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Nitrogen	ASTM E415
12	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Phosphorous	ASTM E415
13	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Silicon	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Sulphur	ASTM E415
15	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Titanium	ASTM E415
16	CHEMICAL- METALS & ALLOYS	Carbon & Low Alloy Steel	Vanadium	ASTM E415
17	CHEMICAL- METALS & ALLOYS	Submerged Arc Welding Flux	Diffusible Hydrogen Analysis	ISO 3690
18	CHEMICAL- METALS & ALLOYS	Submerged Arc Welding Flux	Flux Moisture Analysis	AWS 4.4M

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19	CHEMICAL- PAINTS & SURFACE COATING	Cure liquid Epoxy Coating	Cure test	ISO 15741
20	CHEMICAL- PAINTS & SURFACE COATING	Cure Liquid Epoxy Coating	Pin Hole	ISO 15741
21	CHEMICAL- PAINTS & SURFACE COATING	Cure Liquid Epoxy Coating	Water Test	ISO 15741
22	CHEMICAL- PAINTS & SURFACE COATING	Epoxy coating Film	% of Cure	CAN/CSA.Z.245.20
23	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	% of Cure	CAN/CSA.Z.245.20
24	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Gel Time	CAN/CSA.Z.245.20
25	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Glass-Transition Temperature	CAN/CSA.Z.245.20
26	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Heat of Reaction- Delta H	CAN/CSA.Z.245.20
27	CHEMICAL- PAINTS & SURFACE COATING	Epoxy Powder	Moisture Content	CAN/CSA.Z.245.20
28	CHEMICAL- PAINTS & SURFACE COATING	External Coating(EPOXY)	Adhesion(Hot water soak)	CAN/CSA.Z.245.20
29	CHEMICAL- PAINTS & SURFACE COATING	External Coating(EPOXY)	Cathodic Disbondment Test	CAN/CSA.Z.245
30	CHEMICAL- PLASTIC & RESINS	Polyethylene Or Polypropylene Based Co Polymer Adhesive, Polyethylene, Polypropylene Sheet or Molded Material Sample	Specific Gravity	ASTM D 792
31	CHEMICAL- PLASTIC & RESINS	Polyethylene Or Polypropylene Based Co-Polymer Adhesive, Polyethylene, Polypropylene Sheet or Molded Material Sample	Melt Flow Rate Test	ASTM D 1238
32	CHEMICAL- PLASTIC & RESINS	Polyethylene Or Polypropylene Based Co-Polymer Adhesive, Polyethylene, Polypropylene Sheet or Molded Material Sample	Melt Flow Rate Test	ISO 1133
33	CHEMICAL- PLASTIC & RESINS	Polyethylene, Polypropylene Sheet or Molded Material Sample	Oxidative Induction Time	ASTM D3895
34	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	ASTM E92
35	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	ISO 6507-1

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36	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Charpy Impact Test " V " Notch Up to - 80°C	ASTM E23
37	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Charpy Impact Test " V " Notch Up to - 80°C	ISO 148-1
38	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Charpy Impact Test 'V' Notch up to 80°C	ASTM A370
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Crack Tip Opening Displacement Test	BS 7448 Part 1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Crack Tip Opening Displacement Test	BS 7448 Part 3
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Crack Tip Opening Displacement Test	ISO 12135
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Drop Weight Tear Test % Shear area	API RP 5L3: 2014 Addendum 1
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Guided Bend Test (Materials)	ASTM E290
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Guided Bend Test (Materials)	ISO 7438
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Guided Bend Test (Welds & Materials)	ASTM A370
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Guided Bend Test (Welds Materials)	ASTM E190
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Strength)	IS 1608-1
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Elongation)	ASTM A370
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Elongation)	ISO 6892-1

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50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Strength)	ASTM A370
51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Strength)	ISO 6892-1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Elongation)	IS 1608-1
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Elongation)	ASTM E8/E8M
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test (Strength)	ASTM E8/E8M
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test Yield/Proof Stress (0.2% & 0.5%)	ASTM A370
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test Yield/Proof Stress (0.2% & 0.5%)	ASTM E8/E8M
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test Yield/Proof Stress (0.2% & 0.5%)	IS 1608-1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Tensile Test Yield/Proof Stress (0.2% & 0.5%)	ISO 6892-1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	ASTM E92
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals	Vickers Hardness Test	ISO 6507-1
61	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	Macro Etch Test(Welded Zone)	ASTM E340
62	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals	sulfide stress cracking test found point bend test	NACE TM0177
63	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fusion Bonded Epoxy Coating	Impact test	CAN.CSA.Z.245.20
64	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Liquid Epoxy Coating	Adhesion	ISO 15741

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65	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Liquid Epoxy Coating	Bend	ISO 15741
66	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Liquid Epoxy Coating	Bend	ISO 6860
67	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene, Polypropylene Sheet sample	% Elongation	DIN 30670
68	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polyethylene, Polypropylene Sheet sample	Indentation	DIN 30670
69	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene, Polypropylene Sheet sample	% Elongation	DIN 30678
70	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polypropylene, Polypropylene Sheet sample	Indentation	DIN 30678
71	NON-DESTRUCTIVE-METALS & ALLOYS	Pipe & Plates -Ferrous	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ASME BPVC.V, Article-4 & 5 Edition
72	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Magnetic particle Testing(Detection of sub surface flaws And Detection of surface flaws with Fluorescent & Visible technique with yoke & coil method)	ASME BPVC.V, Article-7, Edition
73	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Magnetic particle Testing(Detection of sub surface flaws And Detection of surface flaws with Fluorescent & Visible technique with yoke & coil method)	ASTM E709
74	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Magnetic particle Testing(Detection of sub surface flaws And Detection of surface flaws with Fluorescent & Visible technique with yoke & coil method)	ISO 10893-5
75	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Magnetic particle Testing(Detection of sub surface flaws And Detection of surface flaws with Fluorescent & Visible technique with yoke & coil method)	ISO 17638
76	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ASTM E213

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77	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ASTM E273
78	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ISO 17640
79	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates -Ferrous	Emerging Areas Testing - Real Time Radiography Testing(Detection of flaws with X-Rays)	ASME BPVC.V, Article 2 & 22 Edition
80	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates -Ferrous	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ASTM E164
81	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes & Plates -Ferrous	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ISO 10893-8:2011+A1
82	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes -Ferrous	Radiography Testing(Detection of flaws with X-Rays)	ASTM E94
83	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes -Ferrous	Radiography Testing(Detection of flaws with X-Rays)	ISO 10893-6
84	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes /Plates-Ferrous	Radiography Testing(Detection of flaws with X-Rays)	ISO 17636-1
85	NON-DESTRUCTIVE-METALS & ALLOYS	Pipes-Ferrous	Radiography Testing (Detection of flaws with X-Rays)	SME BPVC.V - Article 2 & 22 Edition
86	NON-DESTRUCTIVE-METALS & ALLOYS	Plates Ferrous	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ISO 10893-9:2011+A1
87	NON-DESTRUCTIVE-METALS & ALLOYS	Plates ferrous	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ASTM A435
88	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Pipes/tubes	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ISO 10893-11:2011+A1
89	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing(Detection of internal flaws and Detection of surface & sub surface flaws)	ASTM E587
90	NON-DESTRUCTIVE-METALS & ALLOYS	Steel tubes	Emerging Areas Testing - Real Time Radiography Testing(Detection of flaws with X-Rays)	IS0 10893-7