National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SAHJANAND TEST LAB, 16, SHREE RAGHUVEER INDUSTRIAL ESTATE, SANTEJ, KALOL, GANDHINAGAR, 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- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Application properties	IS 2932, Part 1
2	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Ash Content	IS 101 Part 8 Sec 3
3	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Colour	IS 101 Part 4 Sec 2
4	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Consistency	IS 101 Part 1 Sec 5
5	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Dry film Thickness	IS 101 Part 3 Sec 2
6	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Drying Time (a) Surface Dry (b) Hard Dry (c)Tack free Dry	IS 101 Part 3 Sec 1
7	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Finish	IS 101 Part 3 Sec 4
8	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Flash Point	IS 101 Part 1 Sec 6
9	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Gloss @ 60°C	IS 101 Part 4 Sec 4
10	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Mass in Kg/10 liters	IS 101 Part 1 Sec 7
11	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Protection against Corrosion	IS 101 Part 6 Sec 1
12	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Residue on Sieve	IS 101 Part 8 Sec 1
13	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Resistance to acid	IS 9862
14	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Resistance to Alkali	IS 9862
15	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Resistance to water	IS 101 Part 7 Sec 1
16	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Scratch Hardness test	IS 101 Part 5 Sec 2
17	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Viscosity by flow cup	IS 101 Part 1 Sec 5
18	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Volume Solids	IS 101 Part 8 Sec 6

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19	CHEMICAL- PAINTS & SURFACE COATING	Ready Mix Paints, Enamels,Varnishes, Epoxy	Water content	IS 101 Part 2 Sec 1
20	NON-DESTRUCTIVE-METALS & ALLOYS	Aluminum Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASME SEC-V Article 2
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing (YOKE & PROD) (Visible & Fluorescent)	API 1104
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing (YOKE & PROD) (Visible & Fluorescent)	ASME Sec V Article 25 SA 709
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing (YOKE & PROD) (Visible & Fluorescent)	AWS D 1.1
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Casting	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 609
25	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 388
26	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 745
27	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	IS 8791
28	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	API 1104
29	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 273
30	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME B 31.3
31	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 213
32	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	IS 4225
33	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 435
34	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 578
35	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	IS 11630
36	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	API 1104

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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
37	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	ASME B 31.3
38	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	AWS D 1.1
39	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous (Weld, Plate, Casting and Forging)	Liquid Penetrant (Solvent removable, Visible and Fluorescent)	ASME Section-V (Article 6 &24) SE- 165
40	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent)	AWS D 1.1
41	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent) q	API 1104
42	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent)	ASME Sec V Article 24 SE 165
43	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent)	IS 3658
44	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-Ferrous (Weld)	Ultrasonic Testing (Contact Method)	ASME Section-V (Article 4,5 & 23)
45	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-Ferrous(Welds and Casting)	Radiography Using Gamma Rays, X-Ray, Ir-192	ASME Section-V (Article 2 & 22)
46	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASME SEC-V (Article 2)
47	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595
48	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595
49	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASME B 16.34 Appendix 1
50	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASTM E 1030
51	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASTM E 1742
52	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials (Weld, Casting and Forging)	Magnetic Particle (YOKE & PROD) (Visible and Fluorescent)	ASME Section-V (Article 7 & 25) SE- 709
53	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metal & Alloys	Ultrasonic Thickness Gauge OD > 45 mm	ASME Section V Article 23 SE 797
54	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metal & Alloys	Ultrasonic Thickness Gauge OD > 45 mm	IS 15435

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55	NON-DESTRUCTIVE-METALS & ALLOYS	Weldment	Radiography Using Gamma Rays (Ir - 192) X-Rays (200 kV)	ASME SEC-V , Article 2
56	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASTM E 1032
57	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595
58	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595

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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
Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Aluminum Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASME SEC-V Article 2
2	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing (YOKE & PROD) (Visible & Fluorescent)	API 1104
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing (YOKE & PROD) (Visible & Fluorescent)	ASME Sec V Article 25 SA 709
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing (YOKE & PROD) (Visible & Fluorescent)	AWS D 1.1
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Casting	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 609
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 388
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 745
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	IS 8791
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	API 1104
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 273
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME B 31.3
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 213
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	IS 4225
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 435
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 578
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	IS 11630
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	API 1104

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18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	ASME B 31.3
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	AWS D 1.1
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous (Weld, Plate, Casting and Forging)	Liquid Penetrant (Solvent removable, Visible and Fluorescent)	ASME Section-V (Article 6 &24) SE- 165
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent)	AWS D 1.1
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent) q	API 1104
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent)	ASME Sec V Article 24 SE 165
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, Weldment Casting	Liquid Penetrant Testing (Visible & Fluorescent)	IS 3658
25	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-Ferrous (Weld)	Ultrasonic Testing (Contact Method)	ASME Section-V (Article 4,5 & 23)
26	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-Ferrous(Welds and Casting)	Radiography Using Gamma Rays, X-Ray, Ir-192	ASME Section-V (Article 2 & 22)
27	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASME SEC-V (Article 2)
28	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595
29	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595
30	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASME B 16.34 Appendix 1
31	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASTM E 1030
32	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASTM E 1742
33	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Materials (Weld, Casting and Forging)	Magnetic Particle (YOKE & PROD) (Visible and Fluorescent)	ASME Section-V (Article 7 & 25) SE- 709
34	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metal & Alloys	Ultrasonic Thickness Gauge OD > 45 mm	ASME Section V Article 23 SE 797
35	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metal & Alloys	Ultrasonic Thickness Gauge OD > 45 mm	IS 15435

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37	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	ASTM E 1032
38	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595
39	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92) X-Rays (200 kV)	IS 2595