



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SAHJANAND TEST LAB, 16, SHREE RAGHUVVEER INDUSTRIAL ESTATE, SANTEJ, KALOL, GANDHINAGAR, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8418 Page No. : 1 / 5

Validity 28/03/2019 to 27/03/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Site Facility</b>					
1	NON-DESTRUCTIVE-METALS & ALLOYS	Aluminum Castings	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	ASME SEC-V Article 2: 2017	Qualitative(Ir 192 20 mm to 75 mm ( aluminium ) for Gamma Ray RT)(3 mm to 40 mm thick ( alumiium )forX-Ray RT))
2	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing YOKE (Visible & Fluorescent)	BSEN ISO 17638: 2016	Qualitative(From surface to 3 mm depth )
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing YOKE (Visible & Fluorescent)	API 1104: 2016	Qualitative(From surface to 3 mm depth )
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing YOKE (Visible & Fluorescent)	ASME Sec V Article 25 SA 709: 2017	Qualitative(From surface to 3 mm depth)
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing YOKE (Visible & Fluorescent)	AWS D 1.1: 2015	Qualitative(From surface to 3 mm depth )
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials–Weldment, Casting, Forging, Pipe	Magnetic Particle Testing YOKE (Visible & Fluorescent)	BS EN 1369: 2012	Qualitative(From surface to 3 mm depth)
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Casting	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 609: 2017	Qualitative(Thickness – 6 mm to 250 mm)
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 745: 2017	Qualitative(Thickness – 6 mm to 250 mm )
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	IS 8791 RA 2013: 1978	Qualitative(Thickness – 6 mm to 250 mm)
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Forging	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 388: 2017	Qualitative(Thickness – 6 mm to 250 mm )

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	API 5L : 2015	Qualitative(Wall Thickness – 3 mm to 50 mm )
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	API 1104: 2016	Qualitative(Wall Thickness – 3 mm to 50 mm )
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 273: 2017	Qualitative(Wall Thickness – 3 mm to 50 mm )
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	IS 4225 RA 2014: 2004	Qualitative(Wall Thickness – 3 mm to 50 mm )
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME B 31.3: 2016	Qualitative(Wall Thickness – 3 mm to 50 mm )
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Pipe	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 213 : 2017	Qualitative(Wall Thickness – 3 mm to 50 mm )
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	BS EN 10160: 1999	Qualitative(Thickness – 6 mm to 250 mm )
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 435: 2017	Qualitative(Thickness – 6 mm to 250 mm)
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	IS 11630 RA 2014: 2005	Qualitative(Thickness – 6 mm to 250 mm )
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Plate	Ultrasonic Testing (Contact method)	ASME Section V Article 23 SA 578: 2017	Qualitative(Thickness – 6 mm to 250 mm )
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	API 1104: 2016	Qualitative(Thickness –6 mm to 50 mm)



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22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	AWS D 1.1: 2015	Qualitative(Thickness –6 mm to 50 mm )
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non Ferrous Metal & Alloys–Weldment	Ultrasonic Testing (Contact method)	ASME B 31.3: 2016	Qualitative(Thickness –6 mm to 50 mm )
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, WeldmentCasting	Liquid Penetrant Testing(Visible & Fluorescent)	ASME Sec V Article 24 SE 165: 2017	Qualitative(Flaws open to surface)
25	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, WeldmentCasting	Liquid Penetrant Testing(Visible & Fluorescent)	IS 3658: 1999 RA 2004	Qualitative(Flaws open to surface)
26	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, WeldmentCasting	Liquid Penetrant Testing(Visible & Fluorescent)	AWS D 1.1 : 2015	Qualitative(Flaws open to surface)
27	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous & Non-Ferrous Metals & Alloys (Non-Porous Materials)– Plate, Pipe, WeldmentCasting	Liquid Penetrant Testing(Visible & Fluorescent)q	API 1104: 2016	Qualitative(Flaws open to surface)
28	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography UsingGamma Rays (Ir - 92)X-Rays (200 kV)	ASME SEC-V (Article 2 ): 2017	Qualitative((6 mm to 75 mm for Gamma Ray RT)(1 mm to 20 mm forX-ray RT))



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29	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	IS 2595: 2008	Qualitative(( 6 mm to 75 mm for Gamma Ray RT)(1 mm to 20 mm forX-ray RT))
30	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	IS 2595: 2008	Qualitative((6 mm to 75 mm for Gamma Ray RT)(1 mm to 20 mm forX-ray RT))
31	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	ASTM E 1030: 2015	Qualitative((4 mm to 75 mm for Gamma Ray RT)(1 mm to 20 mm forX-ray RT))
32	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	ASME B 16.34 Appendix 1: 2013	Qualitative((4 mm to 75 mm for Gamma Ray RT)(1 mm to 20 mm forX-ray RT))
33	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Castings	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	ASTM E 1742: 2012	Qualitative((4 mm to 75 mm for Gamma Ray RT)(1 mm to 20 mm forX-ray RT))
34	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metal & Alloys	Ultrasonic Thickness Gauge OD > 45 mm	IS 15435 RA 2013: 2003	2 to 200 mm
35	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Metal & Alloys	Ultrasonic Thickness Gauge OD > 45 mm	ASME Section V Article 23 SE 797: 2017	2 to 200 mm
36	NON-DESTRUCTIVE-METALS & ALLOYS	Weldment	Radiography Using Gamma Rays (Ir - 192)X-Rays (200 kV)	ASME SEC-V , Article 2: 2017	Qualitative(Ir 192 :: 6 mm to 75mm equivalent steel thicknessx ray : 1 mm to 20 mm equivalent steel thickness)



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37	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	IS 2595: 2008	Qualitative((6 mm to 75mm for Gamma Ray RT)(1 mm to 20 mm forX-Ray RT))
38	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	ASTM E 1032: 2012	Qualitative((6 mm to 75mm for Gamma Ray RT)(1 mm to 20 mm forX-Ray RT))
39	NON-DESTRUCTIVE-METALS & ALLOYS	Weldments (Ferrous)	Radiography Using Gamma Rays (Ir - 92)X-Rays (200 kV)	IS 2595: 2008	Qualitative((4 mm to 75mm for Gamma Ray RT)(1 mm to 20 mm forX-Ray RT))