



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SIGMA INSPECTION AND TESTING PRIVATE LIMITED, PLOT NO 1607,  
PHASE I AND 2 LIONS SCHOOL ROAD, AHMEDABAD, GUJARAT, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5042 **Page No** 1 of 2

**Validity** 01/04/2026 to 31/03/2030 **Last Amended on** 10/04/2026

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 Testing				
1	NON-DESTRUCTIVE-METAL & ALLOYS	Castings and Weldments (Carbon Alloy, Stainless Steel)	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	IS 2595 (Industrial Radiographic Testing)
2	NON-DESTRUCTIVE-METAL & ALLOYS	Castings [Magnesium, Aluminum, Carbon alloy, Stainless steel, Aluminum bronze, Nickel Chromium, Nickel copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	ASME B16.34 ASME B16.34, MANDATORY APPENDIX 1
3	NON-DESTRUCTIVE-METAL & ALLOYS	Castings [Magnesium, Aluminum, Carbon alloy, Stainless steel, Aluminum bronze, Nickel Chromium, Nickel copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	ASME Sec-V, Article 2, SE-94 and SE-1030 of Article 22
4	NON-DESTRUCTIVE-METAL & ALLOYS	Castings (Aluminum, Carbon Alloy, Stainless Steel, Nickel Chromium, Nickel Copper, Copper)	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	EN 12681-1 (Founding Radiographic Examination)
5	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments [Aluminum, Carbon alloy, Stainless steel, Nickel Chromium, Nickel copper, copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	EN ISO 17636-1, Radiographic testing of welded joints
6	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments [Magnesium, Aluminum, Carbon alloy, Stainless steel, Aluminum bronze, Nickel Chromium, Nickel copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	ASME Sec-V, Article 2 and SE-94 of Article 22
7	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments (Carbon Alloy, Stainless Steel)	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	IS 1182 (Radiographic examination of fusion welded butt joints in steel plates)



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Site Testing				
1	NON-DESTRUCTIVE-METAL & ALLOYS	Castings and Weldments (Carbon Alloy, Stainless Steel)	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	IS 2595 (Industrial Radiographic Testing)
2	NON-DESTRUCTIVE-METAL & ALLOYS	Castings [Magnesium, Aluminum, Carbon alloy, Stainless steel, Aluminum bronze, Nickel Chromium, Nickel copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	ASME B16.34 ASME B16.34, MANDATORY APPENDIX 1
3	NON-DESTRUCTIVE-METAL & ALLOYS	Castings [Magnesium, Aluminum, Carbon alloy, Stainless steel, Aluminum bronze, Nickel Chromium, Nickel copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	ASME Sec-V, Article 2, SE-94 and SE-1030 of Article 22
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6	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments [Magnesium, Aluminum, Carbon alloy, Stainless steel, Aluminum bronze, Nickel Chromium, Nickel copper]	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	ASME Sec-V, Article 2 and SE-94 of Article 22
7	NON-DESTRUCTIVE-METAL & ALLOYS	Weldments (Carbon Alloy, Stainless Steel)	Detection of flaw with Radio isotope (Iridium 192 and Cobalt-60) and X rays	IS 1182 (Radiographic examination of fusion welded butt joints in steel plates)