National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory Name	MOXIE MATERIAL TESTING AND DIAGNOSTIC CENTRE PVT. LTD., 49/7 ANAND INDUSTRIAL ESTATE, MOHAN NAGAR, GHAZIABAD, UTTAR PRADESH , INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5038	Page No. :	1 / 6
Validity	09/05/2019 to 08/05/2021	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
Permanent Facility					
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	IS 1608-part1-: 2018	10 kN to 540 kN
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	IS 1608-part1: 2018	10 kN to 540 kN
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	0.2% Proof Stress	IS 1608-part1-: 2018	10 kN to 540 kN
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	0.2% Proof Stress	ASTM SA 370: 2017	10 kN to 540 kN
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Elongation	IS 1608-part1-: 2018	1 % to 70 %
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Elongation	ASTM SA 370: 2017	1 % to 70 %
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Ultimate Tensile Strength	ASTM S A 370: 2017	10 kN to 540 kN

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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
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Ultimate Tensile Strength	IS 1608-part1-: 2018	10 kN to 540 kN
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Yield Stress	ASTM SA 370: 2017	10 kN to 540 kN
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Copper materials, alloys & products	Yield Stress	IS 1608-part1-: 2018	10 kN to 540 kN
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous material, alloys & products	Impact, Charpy(V)upto -50°C	ASTM E23: 2018	2 Joules to 270 Joules
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	0.2% Proof Stress	ASTM SA 370-17a: 2017	10 kN to 540 kN
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1599: 2012(RA2017)	Qualitative(Mandrel Size - 10,20,24,32,36,40,50 mm)
14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	IS 1786: 2008	Qualitative(Mandrel Size - 10,20,24,32,36,40,50 mm)

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15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASTM SA 370: 2017	Qualitative(Mandrel Size - 10,20,24,32,36,40,50 mm)
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Bend Test	ASME (Section IX): 2017	Qualitative(Mandrel Size - 10,20,24,32,36,40,50 mm)
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation	ASTM SA 370-17a: 2017	1 % to 70 %
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Elongation	IS 1608-part1-: 2018	1 % to 70 %
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness(B Scale)	IS 1586(1): 2018	30 HRBW to 99 HRBW
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Rockwell Hardness(C Scale)	IS 1586(1): 2018	20 HRC to 70 HRC
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	IS 1608-part1-: 2018	10 kN to 540 kN

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22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Ultimate Tensile Strength	ASTM SA 370: 2017	10 kN to 540 kN
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Vickers Hardness(HV)	IS 1501(Part1): 2013	190 HV to 780 HV
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	ASTM SA 370: 2017	10 kN to 540 kN
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous materials, alloys & products	Yield Stress	IS 1608-part1-: 2018	10 kN to 540 kN
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	IS 1608-part1-: 2018	10 kN to 540 kN
27	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	0.2% Proof Stress	ASTM SA 370: 2017	10 kN to 540 kN
28	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	IS 1608-part1-: 2018	1 % to 70 %

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29	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Elongation	ASTM SA 370: 2017	1 % to 70 %
30	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	IS 1608-part1-: 2018	10 kN to 540 kN
31	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Ultimate Tensile Strength	ASTM SA 370: 2017	10 kN to 540 kN
32	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Welds & welded test specimens	Yield Stress	ASTM SA 370: 2017	10 kN to 540 kN
33	MECHANICAL-METALLOGRAPHY TEST	Copper materials, alloys & products	Grain Size	IS 4748: 2009	Qualitative
34	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Grain Size(Comparison Method)	IS 4748: 2009	Qualitative
35	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Inclusion Rating	IS 4163: 2004(RA2010)	Qualitative
36	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Intergranular Corrosion(Practice A)	ASTM A 262: 2015	Qualitative
37	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Intergranular Corrosion(Practice B)	ASTM A 262: 2015	0.1 miles/year to 70 miles/year

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38	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Intergranular Corrosion(Practice C)	ASTM A 262: 2015	0.1 miles/year to 70 miles/year
39	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Intergranular Corrosion(Practice E)	ASTM A 262: 2015	Qualitative
40	MECHANICAL-METALLOGRAPHY TEST	Ferrous materials, alloys & products	Microstructure	ASM Handbook Vol.9: 2004	Qualitative