



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

TESTING LABORATORY, SANGHVI FORGING & ENGINEERING LTD., 1401-02-03, G.I.D.C. INDUSTRIAL ESTATE, WAGHODIA, VADODARA, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-5989

Page No

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Validity

23/08/2019 to 22/08/2021*

Last Amended on

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*The validity is extended for one year up to 22.08.2022

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	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Elongation	ASTM A370
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Elongation	ASTM E8 / E8M
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Elongation	DIN EN ISO 6892-1
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Elongation	IS 1608-Part 1
5	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Reduction of Area	ASTM A370
6	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Reduction of Area	ASTM E8 / E8M
7	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Reduction of Area	DIN EN ISO 6892-1
8	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	% Reduction of Area	IS 1608-Part 1
9	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	0..2% Proof Stress / Yield Stress	ASTM E8 / E8M-16a
10	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	0.2% Proof Stress / Yield Stress	ASTM A370
11	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	0.2% Proof Stress / Yield Stress	DIN EN ISO 6892-1
12	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	0.2% Proof Stress / Yield Stress	IS 1608-1
13	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Brinell Hardness Test 10mm / 3000kgf	ASTM E10



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14	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Brinell Hardness Test 10mm / 3000kgf	IS 1500 - Part 1
15	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Brinell Hardness Test 5mm / 750 kgf	ASTM E10
16	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Brinell Hardness Test 5mm / 750 kgf	IS 1500 - Part 1
17	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Charpy Impact Test (V Notch & U Notch) from -60°C to 35°C	ASTM A370
18	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Charpy Impact Test (V Notch & U Notch) from -60°C to 35°C	ASTM E23
19	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Rockwell Hardness Test : B (100 Kg)	IS 1586 - Part 1
20	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Rockwell Hardness Test : B (100kg)	ASTM E18
21	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Rockwell Hardness Test : C (150kg)	ASTM E18
22	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Rockwell Hardness Test : C (150kg)	IS 1586 - Part 1
23	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Tensile Test Ultimate Tensile Strength	ASTM A370
24	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Tensile Test Ultimate Tensile Strength	ASTM E8 / E8M - 16a
25	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Tensile Test Ultimate Tensile Strength	DIN EN ISO 6892-1
26	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Tensile Test Ultimate Tensile Strength	IS 1608-Part 1



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27	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Grain Size Measurement	ASTM E112
28	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Grain Size Measurement	IS 4748: 2009, RA
29	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Micro structural Examination	ASM Handbook Volume - 9
30	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Micro structural Examination	ASTM E3
31	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Micro Structural Examination	ASTM E407
32	MECHANICAL-METALLOGRAPHY TEST	Carbon Steel, Alloy Steel, Stainless Steel, Tool Steel	Micro Structural Examination	IS 7739 (Part 1): 1975, RA