



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name HITECH INDIA EQUIPMENTS PRIVATE LIMITED, 26/91, KARPAGAM AVENUE 3RD STREET, RAJA ANNAMALAI PURAM, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-2582 Page No. : 1 / 2

Validity 14/02/2020 to 13/02/2022 Last Amended on -

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure)	Measurement range and additional parameters where applicable(Range and Frequency)	Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer(All Clip on type Electronic) / 0.0001mm / Gauge Calibrator	Gauge Calibrator / IS 12872	0 mm to 10 mm	0.0028mm to 0.0035mm
2	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness	Standard Hardness blocks/IS 1500 & Indirect Method	HBW2.5/187.5,HBW 5/250,HBW 5/750 ,HBW 10/500,HBW 10/3000	2.0% to 2.5%
3	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness	Standard Hardness Blocks / IS 1586 & Indirect Method	HRA,HRB ,HRC	HRA -1.0 HRB - 1.25,HRC-1.25
4	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Superficial Hardness	Standard Hardness blocks/IS 1586 & Indirect Method	HR15N,HR30N,HR45N	1.0HRN to 1.5HRN
5	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Superficial Hardness	Standard Hardness Blocks/IS 1586 & Indirect Method	HR15T,HR30T,HR45T	1HRT to 1.5HRT
6	MECHANICAL-HARDNESS TESTING MACHINES	Vickers Hardness	Standard Hardness blocks/IS 1501 & Indirect Method	HV1,HV5,HV10,HV30	1.8% to 2.2%
7	MECHANICAL-IMPACT TESTING MACHINE	IMPACT-CHARPY	Clinometer,Push pull gauge,spirit level,gauges,Load cell/ISO 148 & Direct Method	0 J to 300 J	1.2%



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8	MECHANICAL- IMPACT TESTING MACHINE	IMPACT-IZOD	Clinometer, Push pull gauge, spirit level, gauges, Load cell/IS 3766 & Direct Method	0 J to 170 J	1.3%
9	MECHANICAL- UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of UTM, CTM, TTM/COMPRESSION	Proving Rings, Dynamometer, Load cells/IS 1828 & Direct Method	1 kN to 1000 kN	0.40%
10	MECHANICAL- UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of UTM, CTM, TTM/TENSION	Proving Rings, Load cells/IS 1828 & Direct Method	1 N to 50 kN	0.5%