

Laboratory Yama Engineers & Testing Instruments Pvt. Ltd., 16/6, Y. P. Powar Nagar, Kolhapur, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2432

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Validity 30.10.2017 to 29.10.2019

Last Amended on --

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	UTM, TENSION CREEP AND TORSION TESTING MACHINE			
1.	Verification Of Uniaxial Testing Machine* Compression Tension	100 N to 1000 kN 100 N to 200 kN	0.59 % 0.67 %	Using Dynamometers & Load Cell
2.	Force Verification Of Rockwell Hardness Tester*	98.07 N to 1471 N	0.79 %	Using Load Cell
3.	Force Verification Of Brinell Hardness Tester*	1838.7 N to 29421 N	0.58 %	Using Load Cell
4.	Force Verification Of Vickers Hardness Tester*	49.03 N to 490.3 N	0.82 %	Using Load Cell
II.	HARDNESS TESTING MACHINES			
1.	Indirect Verification Of Rockwell Hardness Tester*	HRC HRBW	0.70 HRC 1.14 HRBW	Using Standard Test Block
2.	Indirect Verification Of Brinell Hardness Tester*	2.5/ 187.5 HBW 5/ 750 HBW 10/ 3000 HBW	2.5 % 3.8 % 4.8 %	Using Standard Test Block
3.	Indirect Verification Of Vickers Hardness Tester*	HV-5 HV-30 HV-1	1.77 % 1.32 % 8.22 %	Using Standard Test Block

Rajeshwar Kumar
Convenor

Avijit Das
Program Director

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4.	Indirect Verification Of Micro Vickers Hardness Tester*	HV-1	8.22 %	Using Standard Test Block
II.	IMPACT TESTING MACHINE			
1.	Direct Verification Of Impact Testing Machine For Charpy*	0 to 450 J	3.31 %	Using Clinometer, Proving Ring, Height Gauge
2.	Direct Verification Of Impact Testing Machine For Izod*	0 to 170 J	1.23 %	Using Clinometer, Proving Ring, Height Gauge
III.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Extensometer* (Analogue) L.C. : 10 μ m (Digital) L.C.: 1 μ m	0 to 6 mm 0 to 6 mm	6 μ m 8 μ m	Using Extensometer Calibration Fixture

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

* Only for Site Calibration

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