

Laboratory Rockwell Testing Aids, C-76A, Jyoti Colony, 100 Feet Road, Shahdara, Delhi

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2719 (in lieu of C-1070)

Page 1 of 2

Validity 22.05.2018 to 21.05.2020

Last Amended on 01.06.2018

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I.	UTM, TENSION CREEP AND TORSION TESTING MACHINE			
1.	Force Uniaxial Static Testing Machines (UTM, CTM, TTM etc.) [*] Compression only	50 N to 1000 kN	0.65 %	Using Force Proving Instruments as per IS 1828 (Part 1):2015 / ISO 7500-1:2004
II.	DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)			
1.	Extensometers used in Uniaxial Testing Machines [*]	0 to 2.5 mm	6.6 µm	Extensometer Calibrator, Digital Dial Indicator, Vernier Caliper as per IS 12872 : 2011 / ISO 9513 : 1999
III.	HARDNESS TESTING MACHINES			
1.	Rockwell Hardness Testing Machines [*]	HRA HRBW HRC HR15N HR30TW	0.70 HRA 1.20 HRBW 0.80 HRC 0.84 HR15N 1.60 HR30TW	Using Standard Hardness Blocks as per IS 1586 (Part 2): 2012 / ISO 6508-2:2005 (Indirect Method)
2.	Vickers Hardness Testing Machines [*]	HV 0.2 HV1 HV 5 HV10 HV30	5.9 % 2.99 % 2.79 % 2.61 % 1.84 %	Using Standard Hardness Blocks as per IS 1501 (Part 2): 2013 / ISO 6507-2:2005 (Indirect Method)

Ram Ashray
Convenor

Avijit Das
Program Director

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3.	Brinell Hardness Testing Machines*	HBW 2.5/187.5 HBW 5/750 HBW 10/3000	1.90 % 1.85 % 1.82 %	Using Standard Hardness Blocks as per IS 1500 (Part 2):2013 / ISO 6506-2:2005 (Indirect Method)
IV.	IMPACT TESTING MACHINE			
1.	Verification of Impact Testing Machine*	Charpy- 0 to 300 J Izod- 0 to 170 J	0.70 % 0.70 %	Using Clinometer, Load Cell, Stop Watch and Other Measuring Instruments/Gauges As per ISO 148-2:2016, ASTM E23-16b, BS-131-4 and IS 3766 : 1977 (Direct Method)

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

*Only for Site Calibration

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