

Laboratory Test Line Services, 283, Second Floor, Vardhman Grand Plaza, Plot No. 7,
Distt. Centre, Mangalam Place, Sector-3, Rohini, Delhi

Accreditation Standard ISO/IEC 17025:2005

Discipline Mechanical Calibration Issue Date 22.05.2014

Certificate Number C-0281 Valid Until 21.05.2016

Last Amended on 18.07.2014 Page 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I.FORCE*			
1. Uniaxial Testing Machines(Tension Mode)	25N to 50kN	0.51 %	Using Force Proving Instruments in Tension mode on UTM/TTM as per IS 1828 (Part 1) 2005
2. Uniaxial Testing Machines(Compression Mode)	1 kN to 1000 kN 1000 kN to 2000 kN	0.40 % 0.50 %	Using Force Proving Instruments in Compression mode on UTM / CTM as per IS 1828(Part 1)2005
3. Testing Machines Charpy & Izod Pendulum Type	Izod Charpy	0.56% 0.62%	Using Various Instruments & Gauges by Direct Verification based on ISO 148-2:2008, IS 3766:2004, BS131-IV/1972(1993) & ASTM E 23-07
II.HARDNESS*			
1. Rockwell Hardness Testing Machines	HRA HRB HRC	1.53HRA 1.42HRB 1.43HRC	Using Reference Blocks as Per IS 1586(Part-2)2012 (Indirect Method)

Avijit Das
Program Manager

Srikanth R.
Convenor

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2. Vickers Hardness Testing Machines	HV5	3.76%	Using Reference Blocks as Per IS:1501:2013 (IS1754:200) /ISO6507-2 (Indirect Method)
	HV10	1.99%	
	HV30	2.73%	
3. Brinell Hardness Testing Machines	HBW2.5/187.5	2.84%	Using Reference Blocks as Per IS:1500:2013(IS 2281:2005)/ISO6506-2 (Indirect Method)
	HBW/5/750	2.24%	
	HBW 10/3000	2.24%	

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

*Only for Site Calibration

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