

Laboratory Blue Star Limited, E 44 /12, Okhla Industrial Area Phase II, New Delhi
Accreditation Standard ISO/IEC 17025: 2005
Discipline Mechanical Calibration **Issue Date** 07.08.2015
Certificate Number C-0199 **Valid Until** 06.08.2017
Last Amended on - **Page** 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. HARDNESS			
1. Verification of Uniaxial Testing Machines[§]			
Tension	50 N to 300 kN	0.35 %	Using Dynamometers & Load Cells
Compression	50 N to 3000 kN	0.35 %	
2. Verification of Hardness Tester by Indirect Method[§]			
	HRA	1.5 %	Using Standard Test Blocks As per IS 1568: 2012 ISO 6508-1: 2005
	HRB	1.5 %	
	HRC	1.68 HRC	
	HRN (15, 30, 45)	1.9 HRN	
	HRT (15, 30, 45)	17.2 HRT	
	HBW 10/3000	2.7 %	IS 1500: 2013
	HBW 5/750	2.7 %	ISO 6506: 2005
	HBW 5/250	2.7 %	
	HBW 2.5/187.5	2.7 %	
	HV0.2	4.12 %	IS 1501: 2013
	HV0.3	1.70 %	ISO 6507: 2005
	HV0.5	1.70 %	
	HV1	2.42 %	
	HV 5	4.90 %	
	HV10	3.10 %	
	HV 30	1.70 %	

Ram Ashray
Convenor

Avijit Das
Program Manager

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II. FORCE			
1. Verification of Impact Testing Machines by Direct Method [§]	Charpy	0.64 %	Using Angle, Radius & Feeler Gauges, Measuring Tape, Clinometer, Spirit Level, Dial Gauges, Load Cell and Torque Wrench as per ISO 148: 2008 Direct Verification ASTM E-23(07a) Direct Verification
	Izod	0.6 %	BS 131: 1972 Amended in 1993
2. Extensometer [§]	Upto 25 mm travel	2.8 μ m	Using Extensometer Calibrator

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

[§]Only in Permanent Laboratory

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