

Laboratory **Quality Service Organisation Pvt. Ltd., 68/3/1A, Bidhan Nagar Road, Kolkata, West Bengal**
Accreditation Standard **ISO/IEC 17025:2005**
Discipline **Mechanical Calibration** **Issue Date** **01.04.2014**
Certificate Number **C-0267** **Valid Until** **31.03.2016**
Last Amended on - **Page** **1 of 2**

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
<u>I. FORCE*</u>			
1. UNIAXIAL STATIC TESTING MACHINES (UTM, CTM, TTM etc) TENSION	50 N to 50 kN	0.71%	Using Force Proving Instruments in tension mode as per IS 1828 (Part-1): 2005
	COMPRESSION	100N to 1000 kN	0.69% Using Force proving Instruments in compression mode as per IS 1828 (Part-1): 2005
<u>II. HARDNESS*</u>			
1. ROCKWELL HARDNESS TESTING MACHINE	HRA	1.94 HRA	Using Reference Blocks as per IS 1586 (Part2): 2012 By Indirect Method
	HRB	1.35 HRB	
	HRC	0.70 HRC	
	HR 15N	2.07 HR 15N	
	HR 30N	1.29 HR 30N	
2. VICKERS HARDNESS TESTING MACHINES	HV1	5.18%	Using Reference Blocks as per IS 1754: 2002/ ISO 6501-2 By Indirect Method
	HV5	2.87%	
	HV10	2.96%	
	HV30	2.72%	

Laboratory **Quality Service Organisation Pvt. Ltd., 68/3/1A, Bidhan Nagar Road, Kolkata, West Bengal**
Accreditation Standard **ISO/IEC 17025:2005**
Discipline **Mechanical Calibration** **Issue Date** **01.04.2014**
Certificate Number **C-0267** **Valid Until** **31.03.2016**
Last Amended on **-** **Page** **2 of 2**

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
3. BRINELL HARDNESS TESTING MACHINES	HBW 2.5/ 187.5	2.8%	Using Reference Blocks As per IS 2281: 2005 / ISO 6506-2 By Indirect Method
	HBW 5/750	2.0%	
	HBW 10/3000	2.0%	

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

*Only for Site Calibration