

**Laboratory** Super Calibration Services Pvt. Ltd., C-115, First Floor, Sector -5, Rajendra Nagar, Sahibabad, Ghaziabad, Uttar Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** CC-2568

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**Validity** 28.06.2018 to 27.06.2020

**Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I.</b>	<b>UTM, TENSION CREEP AND TORSION TESTING MACHINE</b>			
1.	Uniaxial Static Testing Machines* Compression Tension	50 N to 3000 kN 10 N to 1000 kN	0.53 % 0.59%	Using Force Proving Instruments as per IS 1828-1:2015 / ISO 7500-1
<b>II.</b>	<b>IMPACT TESTING MACHINE</b>			
1.	Verification of Impact Testing Machine* CHARPY IZOD	0 to 300 J 0 to 170 J	1.0 % 1.0 %	Using Clinometer , load cell, stop watch and other Measuring Instruments and gauges as per ISO 148-2:2016, ASTM E 23, IS 3766
2.	Extensometer* L.C.: 0.001mm	0 to 2 mm	10.0 $\mu$ m	Using Extensometer calibrator with dial gauge as per ISO 9513:2012, IS 12872
3.	Speed of Material Testing Machines*	0 to 500 mm/min	1.0 %	Using Height Gauge & Stop Watch based on ASTM E 2309

**Mohit Kaushik**  
Convenor

**Avijit Das**  
Program Director

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4.	Displacement Measuring System of Material Testing Machines* L.C. : 0.1mm	0 to 600 mm	0.10 mm	Using height Gauge based on ASTM E 5658-15
III.	<b>HARDNESS TESTING MACHINES</b>			
1.	Rockwell Hardness Testing Machine*	HRBW HRC	1.3 HRBW 1.0 HRC	Using Reference Blocks based on IS 1586-2
2.	Vickers Hardness Testing Machine*	HV 5 HV 10	3.0 % 3.0 %	Using Reference Blocks based on IS 1501-2
3.	Brinell Hardness Testing Machine*	HBW 2.5/187.5 HBW 5/750 HBW 10/3000	4.0 % 4.0 % 4.0 %	Using Reference Blocks based on IS 1500-2

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

\*Only for Site Calibration

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