

Laboratory

Prasad Quality & Calibration Services, 04, Bhawani Niketan Vistar,  
Jhotwara, Jaipur, Rajasthan

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2837

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Validity 26.09.2018 o 25.09.2020

Last Amended on -

	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I.</b>	<b>DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)</b>			
1.	Calipers <sup>s</sup> (Dial, Digital, Vernier) L.C.: 0.01 mm	0 to 300 mm	24 $\mu$ m	Using Caliper Checker & Gauge Block Set, Digital Micrometer
2.	Micrometer <sup>s</sup> (External, Digital) L.C.: 0.001 mm	0 to 100 mm	1.8 $\mu$ m	Using Gauge Block Set
3.	Depth Micrometer <sup>s</sup> L.C.: 0.01 mm	0 to 25 mm	7.2 $\mu$ m	Using Gauge Block Set
4.	Plunger Gauge <sup>s</sup> (Dial, Digital) L.C.: 0.01mm	0 to 20 mm	5.8 $\mu$ m	Using Gauge Block Set
5.	Lever Gauge <sup>s</sup> (Dial ) L.C.: 0.01 mm	0 to 0.8 mm	13.8 $\mu$ m	Using Gauge Block Set
6.	Feeler Gauge <sup>s</sup>	0.03 mm to 1 mm	4.5 $\mu$ m	Using Digital Micrometer
7.	Dial Thickness Gauge <sup>s</sup>	0 to 10 mm	10 $\mu$ m	Using Gauge Block Set
8.	Test Sieves <sup>s</sup>	4 mm to 125 mm	22 $\mu$ m	Using Digital Vernier Caliper

**Shally Sharma**  
Convenor

**Anuja Anand**  
Program Manager

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9.	Height Gauge <sup>§</sup> (Dial, Digital, Vernier) L.C.: 0.01 mm	Up to 300 mm	22 $\mu$ m	Using Caliper Checker
10.	Coating Thickness Gauge <sup>§</sup>	10 $\mu$ m to 710 $\mu$ m	14.1 $\mu$ m	Using Standard Foils
II.	<b>WEIGHING SCALE AND BALANCE</b>			
1.	Electronic Weighing Balance <sup>#</sup> (Class II and Coarser) d $\geq$ 10 mg	200 mg to 220 g	5.8 mg	Using F1 Class Standard Weights as per OIML R-76
III.	<b>PRESSURE INDICATING DEVICES</b>			
1.	<b>Hydraulic Pressure</b> Dial. Digital Pressure Gauges and Calibrators <sup>#</sup>	0 to 700 bar	2.8 bar	Using Digital Pressure Calibrator By Comparison Method as per DKD-R-6-1

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

<sup>§</sup> Only in Permanent Laboratory

<sup>#</sup> The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

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