



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**MECHANICAL CALIBRATION LABORATORY, NATIONAL
TEST HOUSE (WR)**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

PLOT NO. F-10, CENTRAL ROAD, MIDC, MAROL, ANDHERI (EAST), MUMBAI, MAHARASHTRA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2320

Issue Date: 22/11/2019

Valid Until:

21/11/2021

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MECHANICAL CALIBRATION LABORATORY, NATIONAL TEST HOUSE (WR), PLOT NO. F-10, CENTRAL ROAD, MIDC, MAROL, ANDHERI (EAST), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2320

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Validity

22/11/2019 to 21/11/2021

Last Amended on

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrum	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/Digital) L.C 0.01 mm	Slip Gauge (Grade 0) by Comparison Method	0 mm to 300 mm	15.0µm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Caliper (Vernier/Digital) L.C 0.02 mm	Slip Gauge (Grade 0) by Comparison Method	0 mm to 500 mm	26.5µm
3	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	External Micrometer, L.C. 0.001 mm.	Slip Gauge (Grade 0) by Comparison Method	0 mm to 25 mm	2.1µm
4	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve, Dimension Aperture size L.C. 0.0001 mm.	Using Tool maker Microscope.	45 µm to 2 mm	4.2µm



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5	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Test Sieve, Visual Examination.	Using Vernier Caliper	2.36 mm to 125 mm	32µm
6	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Gauge Hydraulic (Medium-water)	Using Pressure Comparator as per DKD R-6-1	1 bar to 690 bar	0.43bar



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Site Facility					
1	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Testing Machine in Compression mode	Using Proving Rings as per IS 1828 (Part 1)	40 kN to 500 kN	0.71%
2	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Testing Machine in Tension mode (Class 1 & Coarser)	Using Proving Rings as per IS 1828 (Part 1)	6 kN to 50 kN	0.70%

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.