



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SHELL SERVICES, 2094, BHANDUP INDUSTRIAL ESTATE, PANNALAL COMPOUND, L.B.S. ROAD, BHANDUP (W), MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** CC-3278 **Page No** 1 of 2

**Validity** 07/09/2023 to 06/09/2025 **Last Amended on** 20/09/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Extensometer - Electronic / Mechanical / Clip on Type / Video / Laser (L.C.: 0.1 μm)	Using Digimatic Height Gauge (L.C.: 0.1 μm) with Jig and Accessories by Comparison Method based on ASTM E83 - 2023	0.5 mm to 10 mm	10.2μm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Linear Measurement of Travel of UTM Crosshead (Encoder) / Crosshead Travel of Material Testing Machine / Long Travel Extensometer (L.C.: 1 μm)	Using Digimatic Height Gauge (0.1 μm) by Comparison Method based on ASTM E 2309 / E 2309M - 2020	0 to 600 mm	73μm
3	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Creep Testing Machine - Tension	Using Loadcell with Indicator as per IS 1828-2, ISO 7500-2	1 N to 50 kN	0.6%
4	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, CTM, Load Testing Machine - Compression	Using Dead Weights as per IS 1828-1 : 2022	0.02 N to 20 N	0.45%



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5	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, CTM, Load Testing Machine - Compression	Using Load cell with Indicator as per IS 1828-1 : 2022	20 N to 500 kN	0.45%
6	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, TTM, Load Testing Machine - Tension	Using Dead Weights as per IS 1828-1 : 2022	0.02 N to 20 N	0.45%
7	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Uniaxial Testing Machine, TTM, Load Testing Machine - Tension	Using Load cell with Indicator as per IS 1828-1 : 2022	20 N to 500 kN	0.45%
8	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Speed for Material Testing Machine / Speed of Crosshead Travel of Uniaxial Testing Machine	Using Digmatic Height Gauge (0.1 µm) and Stop Watch as per ASTM E2658 : 2015	0 to 500 mm/min	2.1mm/min

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