



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

NAVEEN ENTERPRISES CALIBRATION & SERVICES LLP, 46/B SHRI VITHAL NIVAS
DATTATREYA GALLI, 3RD CROSS, M. VADGAON. BELGAUM., BELGAUM,
BELAGAVI, KARNATAKA, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-1040

Page No

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Validity

23/01/2024 to 03/05/2025

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 /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 L.C 0.0001 mm and coarser	Using Extensometer Calibrator with D.R.O (Electronic Comparator With Stand) by Comparison method	0 to 25 mm	0.005mm
2	MECHANICAL-DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)	Metallurgical Inverted / stereo Type Industrial Microscope	Using Glass Scale by Comparison method as per ASTM E-1951	50 X to 1000 X	2%
3	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Test Blocks as per IS 1500 Part-2 2021 by Indirect method	10/3000 HBW	1.8%
4	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Test Blocks as per IS 1500 Part-2 2021 by Indirect method	2.5/187.5 HBW	1.5%
5	MECHANICAL-HARDNESS TESTING MACHINES	Brinell Hardness Tester	Using Standard Test Blocks as per IS 1500 Part-2 2021 by Indirect method	5/750 HBW	2.29%
6	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Test Blocks as per IS 1586 Part - 2 2018 by Indirect method	10 HRBW to 100 HRBW	2HRBW



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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)(±)
7	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Test Blocks as per IS 1586 Part - 2 2018 by Indirect method	10 HRC to 70 HRC	1.5HRC
8	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Test Blocks as per IS 1586 Part - 2 2018 by Indirect method	20 HR45N to 77 HR45N	2HR45N
9	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Test Blocks as per IS 1586 Part - 2 2018 by Indirect method	42 HR30N to 86 HR30N	1.73HR30N
10	MECHANICAL-HARDNESS TESTING MACHINES	Rockwell Hardness Tester	Using Standard Test Blocks as per IS 1586 Part - 2 2018 by Indirect method	70 HR15N to 94 HR15N	1.5HR15N
11	MECHANICAL-HARDNESS TESTING MACHINES	Vickers Hardness Tester	Using Standard Test Blocks as per IS 1501 Part-2 2020 by Indirect method	100 HV10 to 900 HV10	2.68%
12	MECHANICAL-HARDNESS TESTING MACHINES	Vickers Hardness Tester	Using Standard Test Blocks as per IS 1501 Part-2 2020 by Indirect method	100 HV30 to 900 HV30	2.8%
13	MECHANICAL-UTM, TENSION CREEP AND TORSION TESTING MACHINE	Verification of Static Uniaxial Testing Machines (Universal & Compression)	Using Class 1 Load Cell as per IS 1828 Part 1 - 2022 by Compression method	2.5 kN to 1000 kN	0.7%



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

