



NABL

National Accreditation Board for Testing and Calibration Laboratories

(An Autonomous Body under Department of Science & Technology, Govt. of India)

CERTIFICATE OF ACCREDITATION

ELECTRONICS REGIONAL TEST LABORATORY (WEST)

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

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

for its facilities at

STQC Directorate, Department of Information Technology, Plot No. F 7 & 8, MIDC Area, Andheri East, Mumbai, Maharashtra

in the discipline of

MECHANICAL CALIBRATION

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Certificate Number C-0107

Issue Date 02/01/2015



Valid Until 01/01/2017

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Avijit Das
Program Manager

Anil Relia
Director

Prof. Ashutosh Sharma
Chairman



रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन स्वायत्तशासी निकाय)

प्रत्यायन प्रमाण-पत्र

इलेक्ट्रॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पश्चिम)

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

मुम्बई, महाराष्ट्र

में स्थित इसकी सुविधाओं के लिए

यांत्रिक अंशशोधन

के विषय क्षेत्र में किया गया।

(इस प्रयोगशाला के प्रत्यायन के विषय क्षेत्र की जानकारी एन ए बी एल वेबसाइट www.nabl-india.org से भी प्राप्त कर सकते हैं)

प्रमाण-पत्र संख्या अ-0107

जारी करने की तिथि 02/01/2015



वैधता की तिथि 01/01/2017

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

अ. दस

अविजित दास
कार्यकाय प्रबन्धक

अनिल रेलिया

अनिल रेलिया
निदेशक

आशुतोष शर्मा

प्रो. आशुतोष शर्मा
अध्यक्ष



NABL

SCOPE OF ACCREDITATION

Laboratory Electronics Regional Test Laboratory (West), STQC Directorate,
Department of Information Technology, Plot No. F 7 & 8, MIDC Area,
Andheri East, Mumbai, Maharashtra

Accreditation Standard ISO/IEC 17025:2005

Discipline Mechanical Calibration **Issue Date** 02.01.2015

Certificate Number C-0107 **Valid Until** 01.01.2017

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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. PRESSURE & VACUUM			
1. ANALOG AND DIGITAL PRESSURE GAUGES, TRANSMITTERS[#]			
PNEUMATIC[#]	-0.9 bar to -0.1 bar 0 to 20 bar	0.1 % rdg 0.61 % rdg	Using Digital Pressure Indicator DPI 145 by Direct/Comparison Method
HYDRAULIC[#]	20 bar to 350 bar 350 bar to 700 bar	0.061 % rdg 0.06 % rdg	Using Digital Pressure Indicator DPI 145 by Direct/Comparison Method
II. ACCOUSTICS			
1. SOUND PRESSURE LEVEL[#]	70 dB to 120 dB 125 Hz to 4000 Hz weighting A & C	0.54 dB	Using Larson Davis Sound Intensity Calibrator
III. VOLUME			
1. MICRO PIPETTES^S	10 μ l to 50 μ l >50 μ l to 1ml 1 ml to 5 ml	0.5 μ l 10 μ l 50 μ l	Using Sartorius make electronic balance & E2 Class SS weights
2. MEASURING CYLINDER, FLASK, BEAKERS^S	\leq 200ml	60 μ l	Using electronic balance & E2 Class SS weights


Vishal Shukla
Convenor


Avijit Das
Program Manager



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SCOPE OF ACCREDITATION

Laboratory	Electronics Regional Test Laboratory (West), STQC Directorate, Department of Information Technology, Plot No. F 7 & 8, MIDC Area, Andheri East, Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Mechanical Calibration	Issue Date	02.01.2015
Certificate Number	C-0107	Valid Until	01.01.2017
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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
IV. MASS			
1. MASS ^S	1 mg to 200 mg	0.008 mg	Using E1 class wts//Weighing Balance Mettler AT20/AT201
	500 mg	0.01 mg	
	1 g	0.012 mg	
	2 g	0.014 mg	
	5 g	0.018 mg	
	10 g	0.024 mg	
	20 g	0.03 mg	
	50 g	0.1 mg	
	100 g	0.1 mg	
	200 g	0.14 mg	
	500 g	0.12 g	
	1000 g	0.12 g	
	2000 g	0.12 g	
	5000 g	0.12 g	
	10000 g	0.12 g	
2. WEIGHING BALANCE ^S	1 mg to 22 g	0.8 μ g to 0.03 mg	Using Weighing Balance Mettler E1 Class Wts/ E2 Class Wts
	20 g to 220 g	0.03 mg to 0.14 mg	
	220 g to 12 kg	0.14 mg to 0.12 g	

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

^SOnly in Permanent Laboratory

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

Vishal Shukla
Convenor

Avijit Das
Program Manager