



# NABL

## National Accreditation Board for Testing and Calibration Laboratories

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

### CERTIFICATE OF ACCREDITATION

## **WEIGH INDIA CALIBRATION LABORATORY**

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

Plot No. 137, Functional Industrial Estate, Patparganj, New Delhi

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](http://www.nabl-india.org))

**Certificate Number** C-0323

**Issue Date** 24/05/2015



**Valid Until** 23/05/2017

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

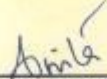


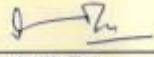
# NABL

## SCOPE OF ACCREDITATION

Laboratory	Weigh India Calibration Laboratory, Plot No. 137, Functional Industrial Estate, Patparganj, New Delhi		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Mechanical Calibration	Issue Date	24.05.2015
Certificate Number	C-0323	Valid Until	23.05.2017
Last Amended on	-	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. MASS</b>			
1 Weights F2, M1, M2 & M3 Class <sup>5</sup>	50 kg	50.06 mg	Using F2 weights Class by "ABBA" Method
	20 kg	31.6 mg	
2 Weights F2, M1, M2 & M3 Class <sup>5</sup>	10 kg	26.60 mg	Using weights E1 Class by "ABBA" Method
	5 kg	13.80 mg	
	2 kg	8.43 mg	
3. Weights M1, M2 & M3 Class <sup>5</sup>	1 kg	8.53 mg	Using weights E1 Class by "ABBA" Method
	500 g	4.10 mg	
4 Weights E1, E2, F1, F2, M1, M2 & M3 Class Weights <sup>5</sup>	200 g	12.0 $\mu$ g	Using weights E1 Class with finer uncertainty than those required for OIML Class E1 Weights & Mettler Toledo Ultra Micro Mass comparator UMX-5
	100 g	6.0 $\mu$ g	
	50 g	4.0 $\mu$ g	
	20 g	2.4 $\mu$ g	
	10 g	2.3 $\mu$ g	
	5 g	1.1 $\mu$ g	
	2 g	0.6 $\mu$ g	
	1g	0.5 $\mu$ g	
	500 mg	0.33 $\mu$ g	
	200 mg	0.33 $\mu$ g	
	100 mg	0.33 $\mu$ g	
	50 mg	0.33 $\mu$ g	
	20 mg	0.33 $\mu$ g	
	10 mg	0.33 $\mu$ g	
	5 mg	0.33 $\mu$ g	
2 mg	0.33 $\mu$ g		
1 mg	0.33 $\mu$ g		
5 Micropipette <sup>5</sup>	1 $\mu$ l	0.018 $\mu$ l	Using E1 Class weights Electronic Balance by Gravimetric method
	2 $\mu$ l	0.018 $\mu$ l	
	5 $\mu$ l	0.018 $\mu$ l	
	10 $\mu$ l	0.018 $\mu$ l	

  
Anitha Jayanthan  
Convenor

  
Avijit Das  
Program Manager





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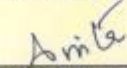
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
Micropipette <sup>5</sup>	20 µl	0.018 µl	Using E1 Class weights Electronic Balance by Gravimetric method
	50 µl	0.018 µl	
	100 µl	0.020 µl	
	200 µl	0.100 µl	
	500 µl	0.119 µl	
	1 ml	2.197 µl	
	2 ml	2.706 µl	
	5 ml	2.947 µl	
	10 ml	5.591 µl	
	6 Glass Ware <sup>5</sup> (Pipette, Beaker/Flask, Borettes, Cylinder etc)	5 ml	
10 ml		16.0 µl	
20 ml		18.0 µl	
25 ml		20.0 µl	
50 ml		30.0 µl	
7 Weighing Balance <sup>6</sup>	0 to 5.1g Readability - 0.1 µg	8.0 µg	Using E1 & E2 Class weights Method Used As per OIML R-76
	0 to 200 g Readability - 0.100 µg	120.0 µg	
	0 to 3 kg Readability - 0.01 g	36.0 mg	
	0 to 10 kg	202.0 mg	
	0 to 50 kg	492.0 mg	
	0 to 1500 kg	350.0 g	
	0 to 2000 kg	350.0 g	
	Readability - 200 g		

<sup>6</sup> Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%

<sup>5</sup> Only in Permanent Laboratory

<sup>7</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.

  
 Anitha Jayanthan  
 Convenor

  
 Avijit Das  
 Program Manager