

<b>Laboratory</b>	<b>The Pipetmann, No.22, First Floor, Sri Sairam Bhavan, Prasanthi Nagar, K. R. Puram, Avarampalayam Road, Coimbatore, Tamil Nadu</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Mechanical Calibration</b>	<b>Issue Date</b>	<b>05.08.2015</b>
<b>Certificate Number</b>	<b>C-0755</b>	<b>Valid Until</b>	<b>04.08.2017</b>
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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. VOLUME</b>			
<b>1. Micropipettes<sup>S</sup></b>	1 $\mu$ l to 50 $\mu$ l	0.08 $\mu$ l	Using precision weighing balance (Readability = 0.001mg) and Procedures based on ISO 8655 Part – 6 and ISO TR20461:2000
	50 $\mu$ l to 100 $\mu$ l	0.10 $\mu$ l	
	100 $\mu$ l to 200 $\mu$ l	0.10 $\mu$ l	
	200 $\mu$ l to 500 $\mu$ l	0.12 $\mu$ l	
	500 $\mu$ l to 1000 $\mu$ l	0.15 $\mu$ l	
	1000 $\mu$ l to 5000 $\mu$ l	0.50 $\mu$ l	
<b>5000 <math>\mu</math>l to 10000 <math>\mu</math>l</b>	<b>0.73 <math>\mu</math>l</b>		
<b>2. Piston Operated Burettes<sup>S</sup></b>	1 ml to 50 ml	5.54 $\mu$ l	
<b>3. Piston Operated Dispenser<sup>S</sup></b>	1 ml to 60 ml	10 $\mu$ l	
<b>4. Pipette Controllers<sup>S</sup></b>	10 ml	0.60 $\mu$ l	
<b>5. Volumetric glass wares, Graduated burettes/ pipettes<sup>S</sup></b>	0.1 ml to 500 ml	0.01 % of volume	Using precision weighing balances (Readability = 0.01 mg / 0.1 mg / 1 mg) and Procedures based on ISO 4787:2010
<b>II. MASS</b>			
<b>1. Weights<sup>S</sup></b>	1 mg	0.02 mg	Using Standard Weights of Class E2 & Precision weighing balances (Readability = 0.001 mg / 0.01 mg / 0.1 mg / 1 mg) and Procedures based on OIML R111-1:2004
	2 mg	0.02 mg	
	5 mg	0.02 mg	
	10 mg	0.02 mg	
	20 mg	0.02 mg	
	50 mg	0.02 mg	
	100 mg	0.02 mg	
	200 mg	0.02 mg	
	500 mg	0.03 mg	
	1 g	0.04 mg	
	2 g	0.04 mg	

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
Weights <sup>§</sup>	5 g 10 g 20 g 50 g 100 g 200 g 500 g 1000 g	0.06 mg 0.08 mg 0.10 mg 0.13 mg 0.20 mg 0.38 mg 0.56 mg 1.36 mg	Using Standard Weights of Class E2 & Precision weighing balances (Readability = 0.001 mg / 0.01 mg / 0.1 mg / 1 mg) and Procedures based on OIML R111-1:2004
2. Electronic weighing balance * Readability = 0.001mg Readability = 0.01mg Readability = 0.1mg Readability = 1mg	Upto 6.1 g Upto 100 g Upto 220 g Upto 1 kg	0.02 mg 0.12 mg 0.17 mg 1 mg	Using E2 Class Standard Weights (Readability = 0.001mg Readability = 0.01mg Readability = 0.1mg Readability = 1mg) and Procedures based on OIML R76-1:2006

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

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

\*Only for Site Calibration