

**Laboratory** Sartorius India Private Limited, No. 69/2 and 69/3, Kunigal Road, Jakkasandra, Nelamangala Taluk, Bengaluru, Karnataka

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** CC-2410 **Page** 1 of 2

**Validity** 13.07.2018 to 12.07.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b><u>MECHANICAL CALIBRATION</u></b>				
<b>I. WEIGHTS</b>				
1	Weight <sup>s</sup> (Conventional mass)	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g	0.0022 mg 0.0022 mg 0.0022 mg 0.0022 mg 0.0022 mg 0.0022 mg 0.0022 mg 0.0022 mg 0.003 mg 0.003 mg 0.004 mg 0.005 mg 0.006 mg 0.009 mg 0.011 mg 0.017 mg 0.031 mg 0.27 mg	Using Standard weights of E1 class (1mg to 200g)and weighing balance(S) With readability of 0.001mg (1 mg to 20g),>20g 0.01 mg (200g) & Calibration of Weights of E2 Class and coarser as per OIML R 111-1  Using E2 class 500g Weight with Balance readability of 0.1mg (500g)

**Pankaj Varshney**  
Convenor

**Avijit Das**  
Program Manager

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<b>II.</b>	<b>WEIGHING SCALE AND BALANCE</b>			
1.	Electronic Weighing Balance <sup>#</sup> d $\geq$ 0.001 mg d $\geq$ 0.01 mg d $\geq$ 0.01 mg d $\geq$ 10 mg	1 mg to 20 g >20 g to 200 g >200 g to 00 g > 500 g to 5 kg	0.008 mg 0.03 mg 0.28 mg 12 mg	Using Standards weights of E1 Class (1 mg to 200 g), E2 Class (500 g) F1 Class (1 kg to 5 kg) & Calibration of electronic weighing balance of Class1 and coarser as per OIML R 76-1
<b>III.</b>	<b>VOLUME</b>			
1.	Micropettes	1 $\mu$ l to 10 $\mu$ l 10 $\mu$ l to 50 $\mu$ l 50 $\mu$ l to 100 $\mu$ l 100 $\mu$ l to 200 $\mu$ l 200 $\mu$ l to 1000 $\mu$ l 1000 $\mu$ l to 5000 $\mu$ l 5000 $\mu$ l to 10000 $\mu$ l	0.006 $\mu$ l 0.06 $\mu$ l 0.06 $\mu$ l 0.12 $\mu$ l 0.18 $\mu$ l 0.21 $\mu$ l 1.0 $\mu$ l	Using Weighing Balance(s) with resolutions of 0.001 mg (1 $\mu$ l to 10 $\mu$ l) 0.01 mg (20 $\mu$ l to 100 $\mu$ l) and 0.1 mg (200 $\mu$ l to 10000 $\mu$ l) by Micropipette Gravimetric Method as per ISO 8655-6

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